### THE CORE/LIBERAL STUDIES CURRICULUM

**Moira FitzGibbons, Ph.D., Core/LS Director**

**Mission:**

One enduring element of the mission of Marist College has been to provide students with an experience that blends career preparation with an education in the tradition of the liberal arts. The commitment of the faculty to providing students with a rounded education is evident in the Core/Liberal Studies Program that emphasizes the following goals:

- To assist and challenge students to become more aware of their own values and the ethical implications of the choices they face in their public and private worlds.
- To develop in students the capacity to synthesize and integrate methods and insights from a variety of intellectual disciplines.
- To introduce students to the essential ideas and skills that comprise the disciplines of the liberal arts and the sciences.
- To develop in students the critical skills of written exposition.

To achieve these goals, students are exposed to a curriculum that is both integrative and distributive, blending courses that all students take as part of a shared educational experience with elective courses in seven areas of study.

In the required Introduction to Philosophy course, students are introduced to a variety of ways of understanding one's relationship with the world. In the required Ethics course, students consider the integral role of values in the pursuit of knowledge and in human society. In the required Writing courses, students develop their ability to critically analyze and learn through writing. Students also learn methods of scholarly documentation and the organization and presentation of ideas, skills important to succeed in academic and professional life.

The distribution requirements ensure that students are introduced to a broad range of disciplines. Since each discipline represents a distinctive approach to knowledge and understanding, these courses complement the attention to values awareness emphasized in the common courses. These courses are content-based and emphasize an understanding of the skills, methodology, and ethical issues of each discipline.

The required Capping Course is a discipline-based experience that addresses the general concerns of the discipline within a wider context and addresses values issues developed throughout the Core/Liberal Studies Program.

The Core/Liberal Studies Program outlined below is in effect for all incoming freshmen except students in the Integrative Major. Students transferring to Marist may receive Core/Liberal Studies credit for courses previously taken. Core/Liberal Studies courses cannot be taken Pass/No Credit.

Once a student has matriculated at Marist, Core/Liberal Studies Capping Course requirements must be fulfilled at Marist College.

### REQUIREMENTS IN CORE/LIBERAL STUDIES

<table>
<thead>
<tr>
<th>CATEGORY 3.0</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3.1 FOUNDATION COURSES (Required)</strong></td>
</tr>
<tr>
<td><strong>• Philosophy Courses</strong></td>
</tr>
<tr>
<td>Students entering with less than 24 credits:</td>
</tr>
<tr>
<td>PHIL 101 Intro to Philosophy as freshmen and</td>
</tr>
<tr>
<td>PHIL 300 Ethics during the junior or senior year</td>
</tr>
<tr>
<td>Transfer students entering with 24 credits or more:</td>
</tr>
<tr>
<td>PHIL 103 World Views and Values</td>
</tr>
<tr>
<td>Transfer students who have completed Intro to Philosophy and Ethics or comparable courses with a C or better are not required to take World Views and Values.</td>
</tr>
<tr>
<td><strong>• Writing Courses</strong></td>
</tr>
<tr>
<td>On the basis of various test scores, class standing, and transfer credits, students will be required to take one or two college writing courses:</td>
</tr>
<tr>
<td>ENG 116 College Writing I</td>
</tr>
<tr>
<td>AND/OR</td>
</tr>
<tr>
<td>ENG 117 College Writing II</td>
</tr>
<tr>
<td>On the basis of test scores and other evaluations, it may be recommended to some students that they first take ENG 001, Intro to College Writing, as preparation for ENG 116, College Writing I. Those who have completed College Writing I or a comparable composition course will be assigned to ENG 117, College Writing II. Transfer students who have completed College Writing I and II or comparable composition courses with a C or better are exempt from further writing requirements.</td>
</tr>
</tbody>
</table>

| 3.2 DISTRIBUTION AREAS (Courses Selected by Students) | 36 cr |
| NOTE: Not every course with an “LA” (Liberal Arts) designation is a CORE/LS course. Only courses identified as “CORE/LS” in the Course Schedule (published each semester) qualify. No course may fulfill more than one CORE/LS requirement, but courses may fulfill CORE/LS requirements as well as requirements in a student's major or minor areas. |
**Core/Liberal Studies**

- **Fine Arts**
  - Any course designated “LA” in Art History, Music History, Theatre History;
  - OR ART 125L Arts and Values; ART 110 Basic Drawing; COM 286 Art of Film;
  - ENG 150 Introduction to Theatre; ENG 227 Acting I; or ENG 280 Creative Writing
  - 3 cr

- **History**
  - First course: HIST 101 Themes in Modern History
  - Second course: Any history course
  - OR Foreign Language Option (see below)*
  - OR Culture Studies Option (see below)*
  - 6 cr

- **Literature**
  - First Course: Any literature course taught in English or a foreign language
  - Second Course: Any literature course as described above
  - OR Foreign Language Option (see below)*
  - OR Culture Studies Option (see below)*
  - 6 cr

- **Mathematics**
  - First Course: See Mathematics Placement recommendation.
  - Second Course: Any course for which prerequisites have been met
  - OR Foreign Language Option (see below)*
  - 6 cr

- **Natural Science**
  - First Course: Any course designated LA in Biology, Chemistry, Physics, Health,
    Environmental Science, or ANTH 101 Physical Anthropology
  - Second Course: Any course from the areas listed above
  - OR Foreign Language Option (see below)*
  - 6 cr

- **Philosophy or Religious Studies**
  - Any course in Philosophy or Religious Studies except PHIL 101L, PHIL 103L, and PHIL 300L
  - 3 cr

- **Social Science**
  - Two courses selected from Economics, Political Science, Psychology,
    Sociology; OR ANTH 102 Cultural Anthropology OR
    ANTH 120 Introduction to Archaeology
  - 6 cr

* **Foreign-Language and Culture Studies Options**
  - **Note:** The Foreign Language Option may not replace a requirement in a student’s major or related field.

  - **Foreign-Language Option:** A maximum of two foreign-language courses at the intermediate level or above may be substituted for the second course(s) in history, literature, natural science, and/or mathematics. Elementary Arabic II, Elementary Chinese II, Elementary Latin II, and Elementary Russian II also qualify for the foreign-language option.

  - **Culture Studies Option:** Students may substitute one course in Culture Studies (taught in English or in a foreign language) for the second course in either History or Literature.

- **3.2 CAPPING COURSE**
  - Each student's major department offers a Capping Course. This course is taken during a student's senior year.
  - 3 cr

- **3.3 CULTURAL DIVERSITY (Courses Selected by Students)**
  - Courses satisfying this requirement are identified in the Course Schedule.
  - Each student is urged to consult his/her advisor in selecting a course to fulfill this requirement.
  - NOTE: This requirement may also fulfill a Distribution Area Requirement as well as a requirement in a student's major or minor area.

44 Core/Liberal Studies
Students must fulfill one of the following options:

Option 1: Three-credit course taught in a country other than the United States.
Option 2: Three-credit course of a foreign culture or foreign civilization.
Option 3: Three-credit foreign language course.
Option 4: Three-credit course of content that is international or non-Western.
Option 5: Three-credit course that examines religion(s) other than Judaism and Christianity.
   Judaism and Christianity may be included in a comparative context.
Option 6: Three-credit course that examines ethnic/cultural traditions and phenomena other than Anglo-Saxon North America. The issues and processes of integration or assimilation of parallel cultures within a society may be included.

Total Credits for Core/LS Requirement 45-51 cr

International Programs
Marist College encourages qualified students to spend a semester or academic year in another country through the Marist Abroad Program (MAP). Students of virtually every major may study/ intern abroad for at least one semester.

Interested students should begin planning their semester/year abroad with their academic advisor as early as possible (especially psychology majors pursuing special-education certification). Candidates for the MAP are encouraged to reserve some CORE/Liberal Studies courses (e.g., social sciences, history, literature, fine arts, and philosophy/religious studies) and electives for their program abroad. Students can also take classes towards their major or minor.

Please refer to page 16 of this catalog for more information on the MAP.

Sample Academic Plan for a Semester Abroad*:

• Foundation/orientation course 3 cr
• Internship 3-12 cr**
• Elective course 3 cr
• Major required course 3 cr
• Core/Liberal Studies course 3 cr
   (Foreign Language, Social Science, History, Literature, Fine Arts, Philosophy/Religious Studies)

Total 15-24 cr

* An individual study plan is arranged by each student with his/her academic advisor, according to the program selected, individual learning goals, and degree requirements.
** Credits earned for an internship depend on the internship program selected and internship length (number of hours worked).

ACCOUNTING

DELLA LEE SUE, Ph.D., Chairperson

MISSION:
Today's accounting majors are expected not only to provide auditing, accounting, and tax services for small and large companies, but also to provide services in forecasting, financial planning, and evaluation, and the creation and monitoring of new technologies.

The accounting program at Marist College provides a high-quality, professional education in a supportive, interactive, and personalized learning environment. The program is designed to prepare accounting graduates to progress to sensitive management positions in business and industry, public accounting, and governmental units. Professional opportunities include careers as a certified public accountant (CPA) or as a certified management accountant (CMA). The Marist Bachelor of Science in Accounting also serves as a sound educational base for post-baccalaureate study in business and law.

As of August 2009, 150 credit hours are required to sit for the CPA exam.

The Accounting Core (30 credits)
The Accounting Core requires an intensive study of the various responsibilities of the accountant. This includes the study of financial accounting theory, its realization in generally accepted accounting principles, and the application of official auditing and auditing standards as well as tax laws.

ACCT 203 and 204 Financial and Managerial Accounting 6 cr
ACCT 301 and 302 Intermediate Accounting I and II 6 cr
ACCT 310 Cost Accounting 3 cr
ACCT 330 Financial Statement Analysis 3 cr
ACCT 401 Advanced Accounting 3 cr
ACCT 402 Auditing 3 cr
ACCT 403 Tax I 3 cr
ACCT 451 Government and Not-For-Profit Accounting 3 cr

The Interface between Accounting and Business (27 credits)
Accounting involves both external financial reporting and internal reporting for managerial decision making and control. Hence, professional accountants interact with all the functional areas of business. Accounting majors develop their knowledge of this interface through both required and elective courses.
**Required Courses (18 credits)**
For the Accounting profession taken as a whole the primary interface with business requires a detailed knowledge of the financial and legal aspects of business transactions. Consequently, the required interface courses develop expertise in these areas.

- BUS 202 Global Business and Society 3 cr
- BUS 302 Organizational Behavior 3 cr
- BUS 320 Financial Management 3 cr
- BUS 340 Marketing Principles 3 cr
- BUS 380 and 381 Business Law I and II 6 cr

**Elective Courses (6 credits)**
Accounting majors extend their study of the interface by selecting two additional Accounting (ACCT) or Business (BUS) courses, both 300 level or above (excluding BUS 382), in consultation with their faculty advisor. By selecting various combinations of courses, students can
- broaden their exposure to include the other functional disciplines in business,
- focus on a particular interface that reflects their interests and career aspirations, or
- emphasize further study of Accounting topics.

NOTE: Internship credits can count for no more than 3 of the elective credits described in this section.

**The Integrative Capping Course (3 credits)**
The professional practice of accounting requires accountants
- to critically interpret and apply accounting principles and standards to complex transactions which often involve innovative contracts and contingent claims,
- to evaluate the value of information for managerial decision making, and
- to take responsibility for their own continuing education and development in the field as new accounting and auditing standards and tax laws are adopted.

The required, integrative capping course:

ACCT 477 Current Issues in Accounting 3 cr

develops this capability and completes the process of qualifying the Accounting major for the Bachelor’s Degree in Accounting.

**The Technical and Analytical Foundation (15 credits)**
The following required (or recommended) courses provide the technical and analytical foundation required for the study of Accounting:

- ECON 103 Principles of Microeconomics 3 cr
- ECON 104 Principles of Macroeconomics 3 cr
- MATH 115 Calculus with Management Applications OR
  MATH 241 Calculus I 3-4 cr
- MATH 130 Introductory Statistics I 3 cr
- ITS 300 Management Information Systems 3 cr

**SUMMARY OF REQUIREMENTS FOR A BACHELOR OF SCIENCE IN ACCOUNTING**
Note: A minimum of 60 credits in Liberal Arts is required.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 Course Requirements in Accounting</td>
<td></td>
</tr>
<tr>
<td>Accounting Core</td>
<td>30 cr</td>
</tr>
<tr>
<td>Integrative Capping Course</td>
<td>3 cr</td>
</tr>
<tr>
<td><strong>Credit Requirement in Accounting</strong></td>
<td>33 cr</td>
</tr>
<tr>
<td>2.0 Course Requirements in Related Fields</td>
<td></td>
</tr>
<tr>
<td>BUS 202 Global Business &amp; Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 302 Organizational Behavior</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 320 Financial Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 340 Marketing Principles</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 380 Business Law I</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 381 Business Law II</td>
<td>3 cr</td>
</tr>
<tr>
<td>Two ACCT or BUS courses</td>
<td>6 cr</td>
</tr>
<tr>
<td>ITS 300 Management Information Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 103 Principles of Microeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 104 Principles of Macroeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 115 Calculus with Management Applications OR</td>
<td></td>
</tr>
<tr>
<td>MATH 241 Calculus I</td>
<td>3-4 cr</td>
</tr>
<tr>
<td>MATH 130 Introductory Statistics I</td>
<td>3 cr</td>
</tr>
<tr>
<td><strong>Credit Requirement in Related Fields</strong></td>
<td>39-40 cr</td>
</tr>
<tr>
<td><strong>Total Credit Requirement for a Major in Accounting</strong></td>
<td>72-73 cr</td>
</tr>
</tbody>
</table>
3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy/Ethics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Writing</td>
<td>3-6 cr</td>
</tr>
<tr>
<td><strong>Total Core/Liberal Studies</strong></td>
<td><strong>9-12 cr</strong></td>
</tr>
</tbody>
</table>

3.2 DISTRIBUTION*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine Arts</td>
<td>3 cr</td>
</tr>
<tr>
<td>History</td>
<td>6 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>6 cr</td>
</tr>
<tr>
<td>Mathematics</td>
<td>0 cr</td>
</tr>
<tr>
<td>(fulfilled by major field req.)</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>Social Science</td>
<td>0 cr</td>
</tr>
<tr>
<td>(fulfilled by major field req.)</td>
<td></td>
</tr>
<tr>
<td><strong>Total Core/Liberal Studies Requirement</strong></td>
<td><strong>24 cr</strong></td>
</tr>
</tbody>
</table>

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

**REQUIREMENTS FOR A MINOR IN ACCOUNTING**

Required Introductory-Level Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 203 Financial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 204 Managerial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 100 Introduction to Business and Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 150 Economics of Social Issues OR ECON 103 Principles of Microeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td><strong>Total Credit Requirement for a minor in accounting</strong></td>
<td><strong>21 cr</strong></td>
</tr>
</tbody>
</table>

Elective Upper-Level Courses (9 credits)

Select three Accounting courses from the following (subject to prerequisite requirements): 9 cr

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 301 Intermediate Accounting I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 302 Intermediate Accounting II</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 310 Cost Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 311 Information for Decision Making and Control</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 330 Financial Statement Analysis</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 350 Accounting Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 401 Advanced Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 402 Auditing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 403 Tax I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 404 Tax II</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 451 Government and Not-For-Profit Accounting</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN ACCOUNTING**

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core/LS PHIL 101</td>
<td>Core/LS</td>
</tr>
<tr>
<td>MATH 108 Interim Algebra or Elective</td>
<td>MATH 115 Calculus/Mgmt Appl</td>
</tr>
<tr>
<td>ACCT 203 Financial Accounting</td>
<td>ACCT 204 Managerial Accounting</td>
</tr>
<tr>
<td>CSIS 103 Information &amp; Computer Literacy</td>
<td>Core/LS Writing or Elective</td>
</tr>
<tr>
<td>Core/LS Writing</td>
<td>Core/LS</td>
</tr>
<tr>
<td><strong>Total Credit Requirement for a minor in accounting</strong></td>
<td><strong>21 cr</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOPHOMORE YEAR</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 301 Intermediate Accounting I</td>
<td>ACCT 302 Intermediate Accounting II</td>
</tr>
<tr>
<td>MATH 130 Statistics</td>
<td>ECON 104 Prin of Macroeconomics</td>
</tr>
<tr>
<td>ECON 103 Prin of Microeconomics</td>
<td>Core/LS</td>
</tr>
<tr>
<td>Core/LS</td>
<td>Core/LS</td>
</tr>
<tr>
<td>Core/LS</td>
<td>Core/LS</td>
</tr>
<tr>
<td><strong>Total Credit Requirement for a minor in accounting</strong></td>
<td><strong>21 cr</strong></td>
</tr>
</tbody>
</table>
### African Diaspora Studies Minor

The minor in African Diaspora Studies prepares students to live and work in, and make sense of, an increasingly interdependent and multicultural world. As the world becomes increasingly interactive, the acquisition of new skills, knowledge, and cultural sensitivity will be critical for interacting with people of African descent as professional colleagues and neighbors working and living together.

### Requirements for a Minor in African Diaspora Studies

1.0  **Course Requirements in African Diaspora Studies**
   
   1. HIST 242 Introduction to African Diaspora Studies  
   2. Five African Diaspora Electives:  
      - Chosen from at least three different disciplines (e.g., Communications, English, History, Political Science). Six credits must be completed in Foreign Languages and Culture. Foreign Language and Culture courses must be chosen from the list of designated courses below.*

Total Credit Requirement for a Minor in African Diaspora Studies 18 cr

### Designated Courses for the African Diaspora Studies Minor

**Communications**
- COM 325 Intercultural Communication
- COM 435 Race and Ethnicity in Film

**English**
- ENG 353 Ethnic American Literature

*Foreign Languages and Culture*
- CSSP 153 The Civilization of Puerto Rico
- FREN 101 Elementary French I
- FREN 102 Elementary French II
- FREN 105 Intermediate French I
- FREN 106 Intermediate French II
- FREN 315 French Literature of Africa and the Caribbean
- SPAN 101 Elementary Spanish I
- SPAN 102 Elementary Spanish II
- SPAN 105 Intermediate Spanish I
- SPAN 106 Intermediate Spanish II
- SPAN 201 Spanish Composition and Conversation I
- SPAN 202 Spanish Composition and Conversation II
- SPAN 281 Spanish Conversation and Culture I
- SPAN 282 Spanish Conversation and Culture II
- SPAN 305 Advanced Intensive Spanish I
- SPAN 306 Advanced Intensive Spanish II
- SPAN 433 Literature of the Hispanic Caribbean

**History**
- HIST 273 Latin America I
- HIST 274 Latin America II
- HIST 375 History of Race in Latin America

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**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 401 Advanced Accounting 3 cr</td>
<td>ACCT 350 Accounting Systems 3 cr</td>
</tr>
<tr>
<td>ACCT 310 Cost Accounting I 3 cr</td>
<td>BUS 302 Organizational Behavior 3 cr</td>
</tr>
<tr>
<td>BUS 320 Financial Management 3 cr</td>
<td>BUS 340 Marketing Principles 3 cr</td>
</tr>
<tr>
<td>BUS 202 Global Business &amp; Society 3 cr</td>
<td>Acct or Business Elective 3 cr</td>
</tr>
<tr>
<td>Core/LS 3 cr</td>
<td>Elective 3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 403 Tax I 3 cr</td>
<td>ACCT 402 Auditing 3 cr</td>
</tr>
<tr>
<td>Acct or Bus Elective 3 cr</td>
<td>ACCT 477 Current Issues 3 cr</td>
</tr>
<tr>
<td>BUS 380 Business Law I 3 cr</td>
<td>BUS 381 Business Law II 3 cr</td>
</tr>
<tr>
<td>Core/LS Phil 300 3 cr</td>
<td>Acct or Business Elective 3 cr</td>
</tr>
<tr>
<td>Elective 3 cr</td>
<td>Elective 3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>

* CPA candidates: Elective credits in health and physical education will be accepted by the College to meet the degree requirements for graduation, but will not be accepted by NYS to meet the credit requirements to sit for the CPA examination.
**American Studies 49**

**HIST 234 African American History**

**HIST 280 Africa Since 1800**

**HIST 340 Race & Nationality in American Life**

**Political Science**

- POSC/HIST 216 Black Political and Social Thought
- POSC 260 Comparative Politics of Africa

**Philosophy and Religious Studies**

- REST 209 World Religions

**Course Developed for the Program**

- HIST 294 Introduction to African Diaspora Studies

**Other Recommendations**

Approved “international experience”: Students are encouraged to spend a semester abroad in an African Diaspora community in Mexico, Central America, the Caribbean, South America, or in a region of Africa or Europe.

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**AMERICAN STUDIES**

**ROBYN ROSEN, Ph.D., Coordinator**

An interdepartmental program involving history, politics, law, literature, philosophy, religion, art, and music, American Studies allows students to transcend narrow disciplinary boundaries in exploring the broad interplay of ideas and events which have shaped the American past.

This requires a careful selection among designated courses within the American arena, while also developing a concentration (12 credits) focusing upon a different culture such as that of Latin America, England, or Russia. A 3-credit senior capping experience then unifies these perspectives upon the American Experience.

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**REQUIREMENTS FOR A BACHELOR OF ARTS IN AMERICAN STUDIES**

Note: A minimum of 90 credits in Liberal Arts is required.

1.0 Course requirements for a major in American Studies

- **ART 280 American Art OR**
- MUS 343 Music in America 3 cr
- ENG 210 American Literature I 3 cr
- ENG 211 American Literature II 3 cr
- One additional American Literature course 3 cr
- An ENG course from other than American Literature 3 cr
- HIST 101 Themes in Modern History 3 cr
- HIST 226 American History I 3 cr
- HIST 227 American History II 3 cr
- One additional American History course 3 cr
- One HIST course from other than American History 3 cr
- PHIL 240 American Pragmatism 3 cr
- PHIL 342 American Social Thought 3 cr
- Two courses selected from the following: 6 cr
  - POSC 110 American National Government
  - POSC 210 Issues in American Constitutional Law
  - POSC 211 American State and Urban Politics
  - POSC 212 Political Parties and Pressure Groups
  - POSC 312 History of American Presidency
- One course selected from the following: 3 cr
  - POSC 205 Peace and World Order Studies
  - POSC 243 Contemporary Ideologies
  - POSC 251 Comparative Political Systems: Great Britain and Western Europe
  - POSC 252 Comparative Political Systems: CIS and Eastern Europe
  - POSC 273 International Politics
  - POSC 350 Comparative Politics in Latin America
  - POSC 353 Comparative Politics of Developing Areas
  - POSC 355 Comparative Political Systems: Middle East
  - POSC 372 International Law and Organization
  - CSIS 103 Information & Computer Literacy 3 cr
  - REST 201 Religion in America 3 cr
  - POSC 477 Capping Course OR
  - HIST 477 Capping Course 3 cr

**Total Credit Requirement for a Major in American Studies** 54 cr
3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
   Philosophy/Ethics 6 cr
   Writing 3-6 cr
   9-12 cr

3.2 DISTRIBUTION*
   Mathematics 6 cr
   Science 6 cr
   All other requirements in distribution area fulfilled by
   major field requirements 12 cr

Total Credit Core/Liberal Studies Requirement 21-24 cr

4.0 Electives 42-45 cr

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/
Liberal Studies Curriculum description of foreign-language option in catalog.

REQUIREMENTS FOR A MINOR IN AMERICAN STUDIES

1.0 ENG 210 American Literature I 3 cr
   ENG 211 American Literature II 3 cr
   HIST 226 American History I 3 cr
   HIST 227 American History II 3 cr

1.1 One from the following: 3 cr
   ART 280 American Art
   MUS 343 Music in America OR
   An English course from:
   ENG 328 Modern English and American Poetry
   ENG 340 American Drama I
   ENG 341 American Drama II
   ENG 443 Seminar in American Literature

1.2 One from the following: 3 cr
   PHIL 340 Marx and Marxism
   PHIL 342 American Social Thought
   POSC 105 Origins of American Legal System
   POSC 110 American National Government
   POSC 201 Constitution and the Bill of Rights
   POSC 210 Issues in American Constitutional Law
   POSC 211 American State and Urban Politics
   POSC 212 Political Parties and Pressure Groups
   POSC 312 (also listed as HIST 312) History of the American Presidency
   HIST 316 America and the Movies
   HIST 320 American Diplomatic History
   HIST 321 American Business History
   HIST 364 Civil War and Reconstruction
   REST 201 Religion in America
   SPAN 154 Hispanics in the United States

Total Credit Requirement for a Minor in American Studies 18 cr

NOTE: English majors and History majors need two additional courses from 1.1 and/or 1.2.
**MISSION:**
The Applied Mathematics major provides a strong foundation in traditional mathematics, but additionally is interdisciplinary in nature as it addresses the needs of those students interested in scientific or operational applications of mathematical techniques. Such applications can be found in the fields of physics, chemistry, biology, computer science, operations research, finance, manufacturing, and many others. These applications require an understanding of the appropriate field, so students are expected to choose one of four subfields outside of mathematics in which to specialize.

**REQUIREMENTS FOR A BACHELOR OF SCIENCE IN APPLIED MATHEMATICS**

<table>
<thead>
<tr>
<th><strong>The Applied Mathematics Foundation Courses (33 credits)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 241, 242, 343 Calculus I-III</td>
<td>12 cr</td>
</tr>
<tr>
<td>MATH 210 Linear Algebra</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 310 Reasoning</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 321 Differential Equations</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 330 Probability and Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 420 Mathematical Analysis I</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 422 Applied Mathematics</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 477 Math Capping course</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>The Applied Mathematics Upper-Level Electives (9 credits)</strong></th>
<th>9 cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose 3 courses from:</td>
<td></td>
</tr>
<tr>
<td>MATH 410 Abstract Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 412 Computational Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 424 Complex Analysis</td>
<td></td>
</tr>
<tr>
<td>MATH 430 Operations Research</td>
<td></td>
</tr>
<tr>
<td>MATH 440 Numerical Analysis</td>
<td></td>
</tr>
<tr>
<td>MATH 441 Combinatorics</td>
<td></td>
</tr>
<tr>
<td>MATH 331 Applied Statistics</td>
<td></td>
</tr>
</tbody>
</table>

**Related Fields**

CMSC 120 Computer Science I 4 cr

**The Interdisciplinary Tracks**

**Chemistry Track (19 cr)**

<table>
<thead>
<tr>
<th></th>
<th>3 cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 211L General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHYS 212L General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHYS 213L General Physics I Lab</td>
<td></td>
</tr>
<tr>
<td>PHYS 214L General Physics II Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 131L General Chemistry I &amp; Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 132L General Chemistry II &amp; Lab</td>
<td></td>
</tr>
<tr>
<td><strong>Select One:</strong></td>
<td></td>
</tr>
<tr>
<td>CHEM 361L Physical Chemistry I</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 362L Physical Chemistry II</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Biology Track (19-20 cr)**

<table>
<thead>
<tr>
<th></th>
<th>4 cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 131L General Chemistry I &amp; Lab</td>
<td></td>
</tr>
<tr>
<td>CHEM 132L General Chemistry II &amp; Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 130L General Biology I &amp; Lab</td>
<td></td>
</tr>
<tr>
<td>BIOL 131L General Biology II &amp; Lab</td>
<td></td>
</tr>
<tr>
<td><strong>Select One:</strong></td>
<td></td>
</tr>
<tr>
<td>BIOL 320L Genetics</td>
<td>4 cr</td>
</tr>
<tr>
<td>BIOL 360L Ecology Principles &amp; Practice</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Computer Science Track (20 cr)**

<table>
<thead>
<tr>
<th></th>
<th>3 cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 211L General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHYS 212L General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHYS 213L General Physics I Lab</td>
<td></td>
</tr>
<tr>
<td>PHYS 214L General Physics II Lab</td>
<td></td>
</tr>
<tr>
<td>CMSC 122L Computer Science II</td>
<td></td>
</tr>
<tr>
<td>CMSC 335L Advanced Data Structures</td>
<td></td>
</tr>
<tr>
<td>CMSC 435L Algorithm Analysis &amp; Design</td>
<td></td>
</tr>
<tr>
<td><strong>Select One:</strong></td>
<td></td>
</tr>
<tr>
<td>CMSC 404L Artificial Intelligence</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 446L Computer Graphics</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
**Economics Track (20 cr)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 211L General Physics I</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 212L General Physics II</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 213L General Physics I Lab</td>
<td>1 cr</td>
</tr>
<tr>
<td>PHYS 214L General Physics II Lab</td>
<td>1 cr</td>
</tr>
<tr>
<td>ECON 104L Principles of Macroeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 103L Principles of Microeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 320L Quantitative Methods (Econometrics)</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Select One:**
- ECON 304L Intermediate Macroeconomic Theory | 3 cr
- ECON 303L Intermediate Microeconomic Theory | 3 cr

---

**Summary of Requirements for a Bachelor of Science in Applied Mathematics**

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course requirements in Mathematics: 33 cr
   - 1.1 Three additional Upper-Level MATH courses: 9 cr
   - 1.2 Interdisciplinary Tracks: 19-20 cr
2.0 Course requirements in Related Fields: 4 cr

**Total Credit Requirement for a Major in Applied Math**: 65-66 cr

3.0 Core/Liberal Studies: 33-36 cr
   - 3.1 FOUNDATION
     - Philosophy/Ethics: 6 cr
     - Writing: 3-6 cr
   - 3.2 DISTRIBUTION*
     - Natural Science: 0 cr (fulfilled by major field req.)
     - Social Science*: 6 cr
     - History: 6 cr
     - Literature: 6 cr
     - Mathematics: 0 cr (fulfilled by major field req.)
     - Fine Arts: 3 cr
     - Philosophy/Religious Studies: 3 cr
   - 24 cr

*0 additional credits needed for Economics focus.

**Total Core/Liberal Studies Requirement**: 33-36 cr

4.0 General Electives: 18-22 cr

**Total Credit Requirement for Graduation**: 120 cr

---

**Recommended Program Sequence for a Bachelor of Science in Applied Mathematics**

**Freshman Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 241 Calculus</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td>CMSC 120 Computer Science I</td>
<td>4 cr</td>
</tr>
<tr>
<td>FALL</td>
<td>Core/LS Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Track Requirement</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 cr</td>
</tr>
<tr>
<td></td>
<td>SPRING</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 242 Calculus</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td>Core/LS Writing or Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>PHIL 101 Intro to Philosophy</td>
<td>3 cr</td>
</tr>
<tr>
<td>SPRING</td>
<td>Track Requirement</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14 cr</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 343 Calculus III</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td>MATH 210 Linear Algebra</td>
<td>3 cr</td>
</tr>
<tr>
<td>FALL</td>
<td>Track Requirement</td>
<td>4 cr</td>
</tr>
<tr>
<td></td>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>1 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 cr</td>
</tr>
<tr>
<td></td>
<td>SPRING</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 310 Intro Math Reasoning</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>MATH 321 Differential Equations</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Track Requirement</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>
The Department of Art and Art History believes a sound foundation and an exploration of the fields of digital media, studio art, and art history should be combined with a strong liberal arts education to expand the intellectual horizons of our students. The department seeks ways to broaden their intellectual development through the investigation of state-of-the-art technologies in addition to traditional forms of study and techniques. The department believes an education in the visual arts should go beyond the classroom, lab, and studio. Opportunities are provided to exhibit artwork, visit galleries and museums, obtain internships, and study abroad.

The Department of Art and Art History offers courses, a certificate, five majors, and a graduate degree at the branch campus in Florence, Italy:

- **B.A. Fine Arts – Studio Art**
- **B.A. Fine Arts – Art History**
- **B.S. Conservation Studies/Restoration [only available in Florence]**
- **B.S. Digital Media**
- **B.S. Studio Art**
- **M.A. Museum Studies [only available in Florence]**
- **Certificate in Studio Art [only available in Florence]**

For more information on courses and these degree programs, please consult the Marist-LdM Florence program catalog.

**ART AND ART HISTORY**

**DONISE ENGLISH, M.F.A., Chairperson**

**MISSION:**
The Department of Art and Art History believes a sound foundation and an exploration of the fields of digital media, studio art, and art history should be combined with a strong liberal arts education to expand the intellectual horizons of our students. The department seeks ways to broaden their intellectual development through the investigation of state-of-the-art technologies in addition to traditional forms of study and techniques. The department believes an education in the visual arts should go beyond the classroom, lab, and studio. Opportunities are provided to exhibit artwork, visit galleries and museums, obtain internships, and study abroad.

The Department’s mission is to prepare students for careers and graduate study in the fine and applied arts.

**MINORS AND CERTIFICATE PROGRAM**
Minors in Studio Art, Photography, and Art History are also offered for those students who wish to combine their study in other disciplines with an exploration of the visual arts. A certificate in Art and Advertising Design is offered jointly with the Department of Communication for those students who want to gain a foundation in art and concentrate on developing skills in design and advertising.

---

### Junior Year

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 330 Probability &amp; Statistics OR</td>
<td>MATH 420 Mathematical Analysis I OR</td>
</tr>
<tr>
<td>3 cr</td>
<td>Elective 3 cr</td>
</tr>
<tr>
<td>MATH 420 Mathematical Analysis I</td>
<td>Elective 3 cr</td>
</tr>
<tr>
<td>3 cr</td>
<td>MATH Elective 3 cr</td>
</tr>
<tr>
<td>Track Requirement or Core/LS</td>
<td>Track Requirement or Core/LS</td>
</tr>
<tr>
<td>3 cr</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>Core/LS</td>
</tr>
<tr>
<td>6 cr</td>
<td>Elective 3 cr</td>
</tr>
<tr>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td>15 cr</td>
<td>15 cr</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 420 Mathematical Analysis I OR</td>
<td>Elective OR</td>
</tr>
<tr>
<td>3 cr</td>
<td>MATH 422 Applied Mathematics OR 3 cr</td>
</tr>
<tr>
<td>MATH 330 Probability &amp; Statistics</td>
<td>MATH 477 Capping 3 cr</td>
</tr>
<tr>
<td>6 cr</td>
<td>Core/LS 6 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>Elective 3 cr</td>
</tr>
<tr>
<td>3 cr</td>
<td>______</td>
</tr>
<tr>
<td>Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td>15 cr</td>
<td>15 cr</td>
</tr>
</tbody>
</table>

Please see the documentation (page 135) for the Mathematics major for a schedule of when upper-level mathematics courses are offered.

Honors in Applied Mathematics – Please see the description of Honors in Mathematics on page 134.
### REQUIREMENTS FOR A BACHELOR OF ARTS IN FINE ARTS: STUDIO ART

#### Concentration in Studio Art

*Note: A minimum of 90 credits in Liberal Arts is required.*

<table>
<thead>
<tr>
<th>1.0 Course Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101 Fundamentals of Art and Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 110 Basic Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 160 History of Western Art I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 180 History of Western Art II</td>
<td>3 cr</td>
</tr>
<tr>
<td>One 200-300 level Art History course</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSIS 103 Information &amp; Computer Literacy</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 477 Capping Course</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>21 cr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.1 Tracks</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3 courses in one of the following: digital media,</td>
<td>9 cr</td>
</tr>
<tr>
<td>drawing, graphic design, painting, or photography</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9 cr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.2 Each student is required to take four additional courses in Studio Art.</th>
<th>12 cr</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12 cr</td>
</tr>
</tbody>
</table>

**Total Credit Requirement for Concentration in Studio Art**

|                                                        | 42 cr |

| 2.0 Course Requirements in Related Fields: None        |   |

<table>
<thead>
<tr>
<th>3.0 Core/Liberal Studies Requirement</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1 FOUNDATION</td>
<td></td>
</tr>
<tr>
<td>Philosophy/Ethics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Writing</td>
<td>3-6 cr</td>
</tr>
<tr>
<td></td>
<td>9-12 cr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3.2 DISTRIBUTION*</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>Social Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>History</td>
<td>6 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>6 cr</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>0 cr (fulfilled by major field req.)</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>33 cr</td>
</tr>
</tbody>
</table>

**Total Core/Liberal Studies Requirement**

|                                                        | 42-45 cr |

<table>
<thead>
<tr>
<th>4.0 Electives</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>33-36 cr</td>
</tr>
</tbody>
</table>

**Total Credit Requirement for Graduation**

|                                                        | 120 cr |

*Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.*

### REQUIREMENTS FOR A BACHELOR OF ARTS IN FINE ARTS: ART HISTORY

#### Concentration in Art History

<table>
<thead>
<tr>
<th>1.0 Course Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101 Fundamentals of Art and Design I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 110 Basic Drawing</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 160 History of Western Art I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 180 History of Western Art II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSIS 103 Information &amp; Computer Literacy</td>
<td>3 cr</td>
</tr>
<tr>
<td>ART 477 Capping Course</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>18 cr</td>
</tr>
</tbody>
</table>

| 1.1 Selection of five courses in art history                | 15 cr |

<table>
<thead>
<tr>
<th>1.2 Alternate Discipline</th>
<th>9 cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each student must take three courses in one of the following alternate disciplines: Foreign Language (French or German),</td>
<td></td>
</tr>
</tbody>
</table>

---

54 Art and Art History
History, Literature, or Studio Art.
(If the student plans to pursue graduate work in art history, the alternate discipline should be a foreign language.)

Total Credit Requirement in Art History

2.0 Course Requirements in Related Fields: None

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

- Philosophy/Ethics 6 cr
- Writing 3-6 cr

3.2 DISTRIBUTION*

- Natural Science 6 cr
- Social Science 6 cr
- History 6 cr
- Literature 6 cr
- Mathematics 6 cr
- Fine Arts 0 cr (fulfilled by major field req.)
- Philosophy/Religious Studies 3 cr

Total Core/Liberal Studies Requirement

4.0 Electives

Total Credit Requirement for Graduation

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN DIGITAL MEDIA

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements

- ART 160 History of Western Art I 3 cr
- ART 180 History of Western Art II 3 cr
- ART 366 History of 20th Century Art 3 cr
- ART 350 Contemporary Art 3 cr
- ART 478 Senior Thesis: Portfolio 3 cr
- ART 477 Capping Course 3 cr
- CSIS 103 Information & Computer Literacy 3 cr

1.1 Track

- ART 110 Basic Drawing 3 cr
- ART 101 Fundamentals of Art & Design 3 cr
- ART 201 3D Design 3 cr
- ART 231 Introduction to Digital Media 3 cr

1.2 Concentration

- ART 235 Digital Animation I 3 cr
- ART 320 Digital Photography I 3 cr
- ART 324 Digital Layout & Design 3 cr
- ART 323 Designing for the Web 3 cr

Three additional courses selected from the following: 9 cr

- ART 321 Digital Painting
- ART 322 Multimedia Authoring
- ART 435 Digital Animation II
- ART 425 Digital Photography II
- ART 420 Multimedia Projects
- ART 430 3D Modeling & Animation

Total Credit Requirement in Digital Media

54 cr
2.0 Course Requirements in Related Fields
Students must take an additional fifteen credits in art electives, related field* electives (i.e., multimedia-related courses in Communication or Information Technology), and/or in a professional Internship* or any combination of the three.  15 cr

Total Credit Requirement for a Major in Digital Media  69 cr

* Internships and related field requirements must be approved by the department.

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
   Philosophy/Ethics  6 cr
   Writing  3-6 cr  9-12 cr

3.2 DISTRIBUTION*
   Natural Science  6 cr
   Social Science  6 cr
   History  6 cr
   Literature  6 cr
   Mathematics  6 cr
   Fine Arts  0 cr  (fulfilled by major field req.)
   Philosophy/Religious Studies  3 cr  33 cr

Total Core/Liberal Studies Requirement  42-45 cr

4.0 Electives  6 cr

Total Credit Requirement for Graduation  120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN STUDIO ART

Concentration in Studio Art
Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements
   ART 160 History of Western Art I  3 cr
   ART 180 History of Western Art II  3 cr
   Two 200-level or above Art History courses  6 cr
   ART 477 Capping: Art and Art Criticism  3 cr
   ART 478 Senior Thesis  3 cr  18 cr

1.1 Art Studio Foundation
   ART 101 Fundamentals of Art and Design I  3 cr
   ART 110 Basic Drawing  3 cr
   ART 201 3D Design  3 cr
   ART 231 Intro to Digital Media  3 cr  12 cr

1.2 Major Concentration
   ART 111 Basic Painting  3 cr
   ART 105 Basic Sculpture  3 cr
   ART 203 Draw II: Media and Techniques  3 cr
   ART 207 Basic Printmaking  3 cr
   ART 145 Basic Photography  3 cr
   Five studio art courses at the 200-level or above  15 cr  30 cr

1.3 Art Electives, Related Fields, and/or Professional Internship  9 cr

* Internships and related field requirements must be approved by the department.
Total Credit Requirement for Concentration in Studio Art 69 cr

3.0  Core/Liberal Studies Requirement

3.1 FOUNDATION
   Philosophy/Ethics 6 cr
   Writing 3-6 cr

3.2 DISTRIBUTION*
   Natural Science 6 cr
   Social Science 6 cr
   History 6 cr
   Literature 6 cr
   Mathematics 6 cr
   Fine Arts 0 cr (fulfilled by major field req.)
   Philosophy/Religious Studies 3 cr

   33 cr

Total Core/Liberal Studies Requirement 42-45 cr

4.0  Electives 6-9 cr

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN STUDIO ART

FRESHMAN YEAR

FALL
   ART 101 Fund of Art & Design 3 cr
   ART 160 History of Western Art I 3 cr
   Core/LS PHIL 101 3 cr
   Core/LS Writing 3 cr
   Elective 3 cr

   15 cr

SPRING
   ART 110 Basic Drawing 3 cr
   ART 180 History of Western Art II 3 cr
   Core/LS Writing 3 cr
   Core/LS 3 cr
   Elective 3 cr

   15 cr

SOPHOMORE YEAR

FALL
   Studio Art Track Course 3 cr
   Elective 3 cr
   Elective 3 cr
   CSIS 103 Information & Computer Literacy 3 cr
   Core/LS 3 cr

   15 cr

SPRING
   Studio Art Elective 3 cr
   Art History (200 level or above) 3 cr
   Elective 3 cr
   Core/LS 3 cr
   Core/LS 3 cr

   15 cr

JUNIOR YEAR

FALL
   Studio Art Track Course 3 cr
   Elective 3 cr
   Elective 3 cr
   Core/LS 3 cr
   Core/LS 3 cr

   15 cr

SPRING
   Studio Art Elective 3 cr
   PHIL 300 Ethics 3 cr
   Elective 3 cr
   Core/LS 3 cr
   Core/LS 3 cr

   15 cr

SENIOR YEAR

FALL
   Studio Art Track Course 3 cr
   Studio Art Elective 3 cr
   Core/LS 3 cr
   Core/LS 3 cr
   Elective 3 cr

   15 cr

SPRING
   ART 477 Capping 3 cr
   Studio Art Elective 3 cr
   Core/LS 3 cr
   Elective 3 cr

   15 cr
## RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ART HISTORY

### FRESHMAN YEAR

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### SENIOR YEAR

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## RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN DIGITAL MEDIA

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### RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN STUDIO ART

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<td>Related Field Course 1</td>
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#### REQUIREMENTS FOR A MINOR IN STUDIO ART

- **Foundation Courses:** 6 cr
  - ART 101 Fundamentals of Art and Design I
  - ART 110 Basic Drawing
  - Four additional Studio Art courses
    - **12 cr**
- **Total Credit Requirement for a Minor in Studio Art** 18 cr

#### REQUIREMENTS FOR A MINOR IN ART HISTORY

- **Introductory courses:** 6 cr
  - ART 160 History of Western Art I
  - ART 180 History of Western Art II
  - Four additional Art History courses at the 200 level or above
    - **12 cr**
- **Total Credit Requirement for a Minor in Art History** 18 cr

#### REQUIREMENTS FOR A MINOR IN PHOTOGRAPHY

- **Foundation Courses:** 9 cr
  - ART 101 Fundamentals of Art and Design I OR
  - ART 110 Basic Drawing
  - ART 145 Basic Photography
  - ART 231 Introduction to Digital Media
- **Required Course:** 3 cr
  - ART 220 History of Photography
- **Two [2] of the following courses:** 6 cr
  - ART 240 Intermediate Photography
  - ART 314 Advanced Photography
  - ART 320 Digital Photography I
  - ART 425 Digital Photography II
  - ART 313 View Camera Photography
- **Total Credit Requirement for a Minor in Photography** 18 cr
### ART AND ADVERTISING DESIGN CERTIFICATE

#### REQUIREMENTS FOR A CERTIFICATE IN ART AND ADVERTISING DESIGN

1.0 Course Requirements (recommended sequence)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ART 101 Fundamentals of Art and Design I</td>
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<tr>
<td>CSIS 103 Information &amp; Computer Literacy</td>
<td>3 cr</td>
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<tr>
<td>ART 231 Introduction to Digital Media</td>
<td>3 cr</td>
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<tr>
<td>ART 215 Graphic Design I</td>
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<tr>
<td>COM 110 Principles of Advertising</td>
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<tr>
<td>COM 210 Writing for Advertising</td>
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<td>Choose two of the following:</td>
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<tr>
<td>COM 310 Broadcast Commercial</td>
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<td>ART 145 Basic Photography</td>
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<td>ART 315 Graphic Design II</td>
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<tr>
<td>ART 324 Digital Layout and Design</td>
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<td>ART 320 Digital Photography</td>
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<td>ART 315 Graphic Design II</td>
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<td>ART 324 Digital Layout and Design</td>
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<td>ART 320 Digital Photography</td>
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**Total Credit Requirement: 24 cr**

Students must achieve a grade of C or better in each of the eight courses in order to obtain the certificate. Up to two courses may be transferred from an accredited higher education institution.

### ATHLETIC TRAINING

**MICHAEL E. POWERS, Ph.D., ATC, Chair/Program Director**

**MISSION:**

The mission of the Athletic Training Education Program is to provide students, within a liberal-arts framework, with the strong scientific foundation and extensive practical experience they need to become certified Athletic Trainers (ATC). Athletic Training is an area of health care concerned with prevention, recognition, care, and rehabilitation of sports-related and similar injuries. Athletic Trainers work as part of a comprehensive sports-medicine team that includes physicians, physical therapists, and other health-care professionals. Upon completion of the B.S. degree in Athletic Training at Marist, graduates will be eligible to sit for the certification examination administered by the Board of Certification (BOC). Those passing this exam will be certified as Athletic Trainers by the BOC. The bachelor's program qualifies students for entry-level positions in high schools, colleges, and universities; professional sports organizations; hospitals and medical clinics; and corporate and industrial settings. Students also may go on for further study in graduate and professional schools. Marist's Athletic Training Education Program (ATEP) is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) and is registered with the New York State Education Department as a licensure-qualifying degree program.

The ATEP begins with a pre-professional phase which consists of introductory athletic training, biology, and chemistry courses in preparation for full acceptance into the ATEP. Students are also required to complete 60 hours of observation during this phase and submit an application for acceptance into the professional phase of the program. The deadline for application to the ATEP is November 1st for transfer students and March 1st for freshman and transfer students during the first full year at Marist. Admission to the program is competitive and based upon academic performance, references, and an essay, as well as successful completion of the first year's coursework and observation-hour requirement. An interview may be requested. Transfer admission requirements are available by contacting the Program Director of Athletic Training or the Director of Transfer Admission at Marist College. Applications to the ATEP are available in the Department of Athletic Training. Enrollment in the ATEP is limited to allow an effective student-to-clinical-instructor ratio. Upon full acceptance into the ATEP students must have a physical examination, current CPR/AED certification, training in blood-borne pathogens, complete a technical standards document, and adhere to the Retention Policy. Information on each of these requirements is available in the Department of Athletic Training. Students are required to purchase clothing, a name tag, and a watch to meet dress code requirements for the ATEP. Any expenses related to traveling to and from clinical sites are the responsibility of the student. Refer to the Athletic Training Student Policy and Procedure Manual for specific costs. The most current information on the Athletic Training Education Program is located on the Department of Athletic Training web page: www.marist.edu/science/athtraining/.

### REQUIREMENTS FOR A BACHELOR OF SCIENCE IN ATHLETIC TRAINING

1.0 Course Requirements in Athletic Training

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<tr>
<td>ATHT 205 Basic Concepts in Athletic Training + Lab</td>
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<td>ATHT 330 Advanced Concepts in Athletic Training</td>
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<tr>
<td>ATHT 304 Therapeutic Modalities + Lab</td>
<td>3 cr</td>
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<tr>
<td>ATHT 306 Therapeutic Exercise + Lab</td>
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<td>ATHT 307 Principles of Strength Training and Conditioning</td>
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<td>ATHT 310 Lower Body/Extremity Assess. of Musculoskeletal Injuries</td>
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<td>ATHT 311 Upper Body/Extremity Assess. of Musculoskeletal Injuries</td>
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<td>ATHT 400 Athletic Training Administration</td>
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<td>ATHT 395, 396, 397, 398, 497, 498 Clinical Practicum I-VI</td>
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<td>SCI 477 Science, Medicine &amp; Ethics</td>
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**Total: 36 cr**

2.0 Course Requirements in Related Fields

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<tr>
<td>BIOL 131 General Biology II</td>
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Athletic Training Major

1. Maintain a minimum GPA of 2.5 (overall).
2. Maintain a minimum GPA of 2.75 for all required coursework in the Athletic Training Major. This includes all coursework with ATHT, BIOL, CHEM, HLTH, CSIS, PSYC and MATH prefixes or equivalent.
3. Obtain a grade of C or better in all required courses for the Athletic Training Major.
4. Complete a minimum of 150 hours of clinical experience as a requirement for each Clinical Practicum course (ATHT 395, 396, 397, 398, 497, 498).
5. Must adhere to the National Athletic Trainers’ Association Code of Ethics and the BOC Standards of Professional Practice.

Noncompliance with any or all of the above will lead to a one-year probationary period in the Athletic Training Education Program. If deficiencies are not corrected during this time, suspension from the Athletic Training Education Program will occur.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN ATHLETIC TRAINING

FRESHMAN YEAR

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<tr>
<td>BIOL 130 General Biology I</td>
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<td>CHEM 131 General Chemistry I &amp; Lab</td>
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<td>14 cr</td>
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</table>

Credit Requirement in Related Fields

| 50-53 cr |

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

| Intro to Philosophy | 3 cr |
| Ethics | 3 cr |
| Writing | 3-6 cr |
| 9-12 cr |

3.2 DISTRIBUTION*

| Literature | 6 cr |
| Fine Arts | 3 cr |
| Social Science | 0 cr (fulfilled by related field req.) |
| Philosophy/Religious Studies | 3 cr |
| History | 6 cr |
| Math | 3 cr (3 cr fulfilled by related field req.) |
| Natural Science | 0 cr (fulfilled by related field req.) |
| 24 cr |

Total Core/Liberal Studies Requirement

33-36 cr

4.0 Electives

0-6 cr

Total Credit Requirement for Graduation

120 cr

* Students must take one course that will fulfill the cultural diversity requirement. Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description in catalog.

RETENTION POLICY

Athletic Training Major

1. Maintain a minimum GPA of 2.5 (overall).
2. Maintain a minimum GPA of 2.75 for all required coursework in the Athletic Training Major. This includes all coursework with ATHT, BIOL, CHEM, HLTH, CSIS, PSYC and MATH prefixes or equivalent.
3. Obtain a grade of C or better in all required courses for the Athletic Training Major.
4. Complete a minimum of 150 hours of clinical experience as a requirement for each Clinical Practicum course (ATHT 395, 396, 397, 398, 497, 498).
5. Must adhere to the National Athletic Trainers’ Association Code of Ethics and the BOC Standards of Professional Practice.

Noncompliance with any or all of the above will lead to a one-year probationary period in the Athletic Training Education Program. If deficiencies are not corrected during this time, suspension from the Athletic Training Education Program will occur.
SOPHOMORE YEAR

FALL
- BIOL 201 Hum Anatomy & Physiology I 4 cr
- ATHT 205 Basic Concepts in Athletic Training 3 cr
- PHIL 101 Intro to Philosophy 3 cr
- Core/LS History 3 cr
- ATHT 395 Clinical Practicum I 1 cr

- 14 cr

SPRING
- BIOL 202 Hum Anatomy & Physiology II 4 cr
- MATH 130 Statistics I 3 cr
- HLTH 300 Kinesiology 3 cr
- ATHT 396 Clinical Practicum II 1 cr
- Core/LS Literature 3 cr
- ATHT 304 Thera Mod in Athletic Training 3 cr
- 17 cr

JUNIOR YEAR

FALL
- HLTH 201 Human Nutrition 3 cr
- ATHT 306 Thera Exer in Athletic Training 3 cr
- PSYC 101 Intro to Psychology 3 cr
- HLTH 301 Exercise Physiology 3 cr
- ATHT 310 Lower Body Assessment 3 cr
- ATHT 397 Clinical Practicum III 1 cr

- 16 cr

SPRING
- ATHT 307 Principles of Strength & Conditioning 3 cr
- PHIL 300 Ethics 3 cr
- ATHT 398 Clinical Practicum IV 1 cr
- HLTH 204 Personal & Community Health 2 cr
- Core/LS Mathematics 3 cr
- ATHT 311 Upper Body Assessment 3 cr
- 15 cr

SENIOR YEAR

FALL
- ATHT 330 Adv Concepts in Athletic Training 3 cr
- Core/LS Social Science 3 cr
- ATHT 497 Clinical Practicum V 1 cr
- HLTH 211/PSYC 211 Sport & Exercise Psychology 3 cr
- Core/LS Fine Arts 3 cr
- Core/LS Cultural Diversity 3 cr

- 16 cr

SPRING
- ATHT 400 Athletic Training Admin & Strategies 3 cr
- Core/LS Phil/Religious Studies 3 cr
- SCI 477 Capping (Sci, Med, Eth) 3 cr
- Core/LS History 3 cr
- ATHT 498 Clinical Practicum VI 1 cr
- Core/LS Literature 3 cr
- 16 cr

BIOLOGY

The Department of Biology offers majors in Biology, Biology Education, and Biomedical Sciences and a minor in Biology.

RAYMOND KEPNER, Ph.D., Chairperson

MISSION:
The mission of the Department of Biology is to provide an outstanding and supportive educational environment in which students and faculty flourish as they seek to better understand the biological sciences and their practical applications.

VISION
The Department of Biology is committed to excellence in teaching, advising, undergraduate research, and service. We will provide challenging and innovative curricula that promote experiential learning opportunities such as internships, student-faculty collaborative research, and access to advanced technology. Our programs will prepare students for lifelong learning and for a diverse array of advanced studies and careers in the life sciences, including the health professions and teaching, making them competitive for positions in top graduate and professional schools, secondary schools, and industry. We will contribute to the holistic education of all Marist students by fostering scientific literacy and critical-thinking skills that enhance their scientifically informed decisions. Faculty are committed to continual development as teacher-scholars, and to being active in research involving Marist students, with the goal of disseminating their findings to the scientific community. We will enhance student learning by improving and expanding our facilities and instrumentation. We will strengthen our integration with other School of Science programs, establish pedagogical and scholarly collaborations with colleagues within and outside of the College, and engage in service to the College and the greater community.

REQUIREMENTS FOR A MAJOR IN BIOLOGY

1.0 Course Requirements in Biology
- BIOL 130 General Biology I 4 cr
- BIOL 131 General Biology II 4 cr
- BIOL 211 Plant Biology 4 cr
- BIOL 320 Genetics 4 cr
- SCI 477 Science, Medicine & Ethics (Capping) 3 cr

Credit Requirement in Biology 19 cr

Biology Elective Courses:
- Select from 300-400 level courses in BIOL (at least two of which must have a lab) and not including BIOL 390, 391, and/or 392.
- Taking both BIOL 201 and BIOL 202 (Human Anatomy and Physiology I and II) may substitute for one 300-400 level 4-credit BIOL course, but then BIOL 340 and/or BIOL 440 may not be taken for Biology or Related Fields Elective credit.
Students who take BIOL 340 and/or BIOL 440 may not take
BIOL 201 and/or BIOL 202 for Biology or Related Fields Elective credit. 15 cr

2.0 Course Requirements in Related Fields

   Related Fields Electives: At least one course must have a lab.

   Choose from any course listed above, or:
   - BIOL 201 Human Anatomy and Physiology I
   - BIOL 202 Human Anatomy and Physiology II
   - BIOL 203 Human Nutrition
   - BIOL 390 Special Topics in Biology I
   - BIOL 392 Special Topics in Biology III
   - PHYS 211-212-213-214 General Physics I-II and Lab I-II
   - CHEM 355 Analytical Chemistry
   - CHEM 420 Biochemistry I
   - CHEM 421 Biochemistry II
   - CHEM 423 Biochemistry I Lab
   - CHEM 424 Biochemistry II Lab
   - ENSC 101 Intro to Environmental Issues
   - ENSC 210 Intro to Geology
   - ENSC 230 Intro to Geographic Information Systems
   - ENSC 308 Environmental Chemistry Lab
   - ENSC 313 Environmental Microbiology
   - ENSC 315 Natural History of the Hudson Valley
   - ENSC 330 Advanced Geographic Information Systems
   - ENSC 380 Principles of Environmental Assessment
   - ENSC 404 Toxicology
   - ANTH 101 Intro to Physical Anthropology
   - *MEDT 260 Methods in Medical Technology
   - *MEDT 301 Clinical Microbiology I
   - *MEDT 305 Clinical Chemistry I
   - *MEDT 315 Hematology I
   - *MEDT 340 Clinical Immunology/Immunohematology I
   - *MEDT 401 Clinical Microbiology II
   - *MEDT 405 Clinical Chemistry II
   - *MEDT 410 Hematology II
   - *MEDT 440 Clinical Immunology/Immunohematology II
   - EDUC 422 Science Teaching Methods
   - MATH 131 Intro to Statistics II
   - MATH 242 Calculus II
   - MATH 343 Calculus III

Credit Requirements in Related Field Electives 22-26 cr

* Structured Programs in Medical Technology

Biology majors can opt to complete one or more structured programs in Medical Technology by fulfilling specific requirements for each discipline chosen (i.e., Chemistry, Hematology, Immunology/Immunohematology, or Microbiology). Clinical I coursework precedes Clinical II coursework, which includes an internship plus an advanced lecture series on campus. Structured program completion enables students to take national certification examinations specific to the medical technology discipline and offers job security upon graduation. For additional information please see the Chair of Medical Technology.

Total Credit Requirement for a Major in Biology 63-68 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

   Philosophy/Ethics 6 cr
   College Writing 3-6 cr
3.2 DISTRIBUTION*

- Fine Arts: 3 cr
- History: 6 cr
- Literature: 6 cr
- Mathematics: 0 cr (fulfilled by related field req.)
- Natural Science: 0 cr (fulfilled by related field req.)
- Philosophy/Religious Studies: 3 cr
- Social Science: 6 cr

Total Core/Liberal Studies Requirement: 33-36 cr

4.0 Electives: 16-24 cr

* Students must take one course that will fulfill the cultural diversity requirement. Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description in catalog.

Total Credit Requirement for Graduation: 120 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN BIOLOGY

FRESHMAN YEAR

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<th>Course</th>
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<td>CSIS 103 Information &amp; Computer Literacy</td>
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SOPHOMORE YEAR

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<td>CHEM 202 Intro Organic Chemistry Lab</td>
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<td>Core/LS</td>
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<td>MATH 241 Calculus I</td>
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JUNIOR YEAR

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<td>PHIL 300 Ethics</td>
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SENIOR YEAR

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<td>Core/LS</td>
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<td>Elective</td>
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REQUIREMENTS FOR A MINOR IN BIOLOGY

Required Courses:
- BIOL 130 General Biology I: 4 cr
- BIOL 131 General Biology II: 4 cr
- CHEM 131 General Chemistry I: 4 cr
- CHEM 132 General Chemistry II: 4 cr

Elective Biology Courses

Three courses selected from the following with at least one course having a lab:
- BIOL 211 Plant Biology: 4 cr
- BIOL 305 Animal Behavior: 3 cr
- BIOL 312 Microbiology: 4 cr
- BIOL 315 Immunology: 3 cr
- BIOL 320 Genetics: 4 cr

64 Biology
**Biology Education**

In partnership with the Department of Teacher Education in the School of Social & Behavioral Sciences, the Department of Biology has established a curriculum that leads to provisional New York State certification in Adolescence Education with a specialization in Biology. This curriculum, approved by the New York State Education Department, includes courses in biology and the other natural sciences, as well as courses designed to prepare students for a secondary school teaching career. A supervised student teaching experience, arranged by Marist faculty, is included.

**Requirements for New York State Teacher Certification in Adolescence Education: Biology (Grades 7-12)**

Marist College offers a state-approved program leading to initial teacher certification in Adolescence Education: Biology (Grades 7-12). Students seeking this certification are encouraged to consult with their academic advisor and the Coordinator of Adolescence Education in the Teacher Education Department. Because of the significant number of state certification requirements for this program, it is important that students seek such advisement early in their college careers, during the freshman year if possible. Education and related field requirements for Adolescence Education certification can be found on page 101 of this catalog.

**Program Requirements**

Prior to entrance into EDUC 422 (Methods of Teaching Science) and EDUC 410 (Participation/Observation in Secondary Schools), which are co-requisites, students must satisfy the entrance "guidelines" for Adolescence Education or obtain a waiver by both the Department of Education and the Department of Biology. The waiver may contain extra requirements necessary for entrance into EDUC 422/EDUC 410 and/or EDUC 464 (Student Teaching). Transfer students with junior status are admitted on a provisional basis and will be formally evaluated by both the Department of Education and the Department of Biology prior to admittance to EDUC 422/EDUC 410.

Students interested in the Biology Education degree should contact Dr. Victoria Ingalls (845-575-3000 ext. 2541, or Victoria.Ingalls@Marist.edu).

**Requirements For A Major In Biology Education**

1.0 Course Requirements in Biology Education

- BIOL 130-131 General Biology I-II 8 cr
- BIOL 211 Plant Biology 4 cr
- BIOL 320 Genetics 4 cr
- BIOL 321 Evolution 3 cr
- SCI 477 Science, Medicine & Ethics 3 cr
- CHEM 131-132 General Chemistry I-II 8 cr
- CHEM 201-202 Intro to Organic Chemistry & Lab 4 cr
- MATH 130 Introduction to Statistics 3 cr
- MATH 241 Calculus I 4 cr
- EDUC 150 Learning Through Technology 3 cr

Biology Electives

At least 10 credits selected from 300-400 level courses in BIOL (at least one of which must be a 4-credit course with a lab) and not including BIOL 390, 391 and/or 392. BIOL 360 (Ecology) is strongly recommended. Taking both BIOL 201 and BIOL 202 (Human Anatomy & Physiology I – II) may substitute for one 300-400 level 4-credit BIOL course, but then BIOL 340 and/or BIOL 440 may not be taken. Students who take BIOL 340 and/or BIOL 440 may not then take BIOL 201 and/or BIOL 202.

Credit Requirement in Biology Education 54 cr

2.0 Course Requirements in Related Fields

- EDUC 415 Student Teaching 12 cr

Credit Requirement in Related Fields 12 cr
Total Credit Requirement in Biology Education

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
- Philosophy/Ethics 6 cr
- College Writing 3-6 cr

3.2 DISTRIBUTION
- Fine Arts 3 cr
- History 6 cr
- Literature 6 cr
- Mathematics 0 cr (fulfilled by related field req.)
- Natural Science 0 cr (fulfilled by related field req.)
- Philosophy/Religious Studies 3 cr
- Social Science 0 cr (fulfilled by education req.)

Total Core/Liberal Studies Requirement 27-30 cr

4.0 Education Classes
- PSYC 101 Intro to Psychology 3 cr (credits fulfill the Core/LS social science req.)
- PSYC 207 Exceptional Child 3 cr (credits fulfill the Core/LS social science req.)
- PSYC 318 Psychology of the Adolescent 3 cr
- EDUC 101 Foundation of Education 3 cr
- EDUC 354 Teaching of Language Arts 3 cr
- EDUC 355 Teaching Language Arts/Content Areas 3 cr
- EDUC 410 Participation/Observation 1 cr
- EDUC 422 Methods of Teaching Science 3 cr
- Foreign Language** 3-6 cr

Total Education Classes 25-28 cr

Free Electives 0-2 cr

Grand Total 120-124 cr

** Language Requirement
One year of foreign language or one course at the intermediate level (intermediate language can replace second literature or second history course.)

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN BIOLOGY – EDUCATION

FRESHMAN YEAR

FALL
- BIOL 130 Gen Biology I 4 cr
- CHEM 131 Gen Chemistry I 4 cr
- ENG 116 College Writing I 3 cr
- PHIL 101 Intro to Philosophy 3 cr

14 cr

SPRING
- BIOL 131 Gen Biology II 4 cr
- CHEM 132 Gen Chemistry II 4 cr
- PSYC 101 Intro to Psych 3 cr
- ENG 117 College Writing II 3 cr

17 cr

SOPHOMORE YEAR

FALL
- BIOL 211 Plant Biology 4 cr
- CHEM 201-202 Intro to Organic Chem & Lab 4 cr
- CORE (History I) 3 cr
- PSYC 207 The Exceptional Child 3 cr
- EDUC 150 Learning Through Technology 3 cr

17 cr

SPRING
- BIOL 320 Genetics 4 cr
- MATH 130 Intro to Statistics 3 cr
- PSYC 318 Psychology of Adolescent 3 cr
- CORE (Lit I) 3 cr
- CORE (Philosophy/Religious Studies) 3 cr

16 cr

JUNIOR YEAR

FALL
- BIOL 321 Evolution 3 cr
- MATH 241 Calculus 4 cr
- EDUC 354 Teach Language Arts 3 cr
- Biology Elective 3 cr
- Elementary Language* 3 cr

16 cr

SPRING
- Biology Elective 3 cr
- EDUC 355 Teach Language in Content 3 cr
- CORE (Art) 3 cr
- PHIL 300 Ethics 3 cr
- Elementary Language 3 cr

15 cr
**SENIOR YEAR**

**FALL**

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<tr>
<td>SCI 477 Science, Medicine &amp; Ethics</td>
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<tr>
<td>Biology Elective (Ecology)</td>
<td>4 cr</td>
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<tr>
<td>EDUC 422 Methods of Teaching Science</td>
<td>3 cr</td>
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<td>EDUC 410 Part/Obs</td>
<td>1 cr</td>
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<tr>
<td>CORE (Hist 2 or Lit 2)</td>
<td>3 cr</td>
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**SPRING**

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<tr>
<td>EDUC 415 Student Teaching</td>
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<tr>
<td>CORE (Hist 2 or Lit 2)</td>
<td>3 cr</td>
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*If the student can take one language at the intermediate level, then this course substitutes for the second history or literature course. In this case, the student may need to take two elective credits to reach a total of 120 credits (depending on the number of credits taken in Biology Electives). If the student takes two semesters of elementary language instead of one semester of language at the intermediate level, then total credits will equal approximately 124.*

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**BIOMEDICAL SCIENCES**

The Biomedical Sciences curriculum is an interdisciplinary science program that includes core courses in biology, chemistry, and physics. These courses provide a solid foundation in each of these basic sciences and serve as general prerequisites for admission to most health professional schools. Elective and Core/LS courses will satisfy additional admission prerequisites to master’s and doctoral programs in the health sciences. These schools include, but are not limited to, medical, dental, veterinary, physical therapy, optometry, chiropractic, physician assistant, pharmacy, nursing, public health, and genetic counseling.

In addition to providing students with grounding in the basic and biomedical sciences, this curriculum allows students whose goals and interests are not in clinical practice to pursue other avenues of opportunity. For example, it also will prepare students for graduate study (i.e., research-based M.S. and Ph.D. degrees) in a wide range of fields in the life sciences, including cellular and developmental biology, molecular genetics and molecular biology, immunology, and other biomedical sciences. Also, many vocations are available to graduates who seek no additional formal education beyond the B.S. degree. These include careers in the pharmaceutical, biotechnology, and medical diagnostics industries; hospital and independent testing labs; academic biomedical research; and state/federal health or research labs.

Two features of the program – the Introduction to the Health Professions course and a required internship in a clinical setting – provide focused information about and direct experience with the health-care system. While most internships will be served locally at St. Francis Hospital, Vassar Brothers Medical Center, or other health-care providers, in many cases students may be able to arrange internships in their hometowns. The inclusion of Business courses as Biomedical Sciences electives represents a distinct difference from any other program of this type, and provides students with the management background so strongly recommended by our Pre-Med/Pre-Health Advisory Board. Students can tailor their coursework and complete any remaining requirements via judicious choice of Biomedical Sciences and free electives, with the help of a faculty advisor.

However, for medical and most other health professional schools, students can choose any major – including Athletic Training, Biochemistry, Biology, Chemistry, Environmental Science, or Medical Technology – prior to professional school application. We note that Marist’s Biomedical Sciences curriculum, as well as the Biology and Biochemistry curricula at Marist, includes all the prerequisite undergraduate courses for the great majority of professional schools.

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**REQUIREMENTS FOR A MAJOR IN BIOMEDICAL SCIENCES**

**1.0 Course Requirements in Biomedical Sciences**

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<th>Course</th>
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<tr>
<td>BIOL 130-131 General Biology I-II</td>
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<tr>
<td>BIOL 201-202 Human Anatomy &amp; Physiology I-II OR</td>
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<tr>
<td>BIOL 340 and BIOL 440 Comparative Anatomy &amp; Vertebrate Physiology</td>
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<td>BIOL 320 Genetics</td>
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<td>SCI 477 Science, Medicine and Ethics</td>
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<td>BIOL 496 Biomedical Sciences Internship</td>
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<td>CHEM 131-132 General Chemistry I-II</td>
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<td>CHEM 211-212 and 215-216 Organic Chemistry I-II with Lab I-II</td>
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<tr>
<td>PHYS 211-212-213-214 General Physics I-II and Labs I-II OR</td>
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<tr>
<td>PHYS 201-202-213-214 College Physics I-II and Labs I-II</td>
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| Biomedical Sciences Electives²             | 15 cr   |

**Credit Requirement in Biomedical Sciences**

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1. Students who take BIOL 201 and/or BIOL 202 may not then take BIOL 340 and/or BIOL 440, for Biomedical Sciences or Related Fields Elective credits, and students who take BIOL 340 and/or BIOL 440 may not take BIOL 201 and/or BIOL 202 for Biomedical Sciences credits or Related Fields Elective credits.

2. These elective credits must include two 4-credit BIOL courses drawn from the 300-400 level, both of which must have a laboratory component, not including internships or research. The remaining 7 credits must be chosen from ACCT, ATHT, BUS, ENSC, BIOL 211, BIOL and MEDT courses, CHEM courses for which CHEM 131-132 are prerequisites, HLTH 202, HLTH courses for which BIOL 130-131 are prerequisites, and MATH courses numbered above 130. Only 4 of these 7 credits may be biology research credits. The specific combination of courses may contribute to a minor (such as in Business, which is strongly recommended by Marist’s Pre-Med/Pre-Health Professions Advisory Board), include categorical certification in one of the Medical Technology specialty areas, or serve to meet other educational needs of the student.

**2.0 Course Requirements in Related Fields**

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</tr>
<tr>
<td>MATH 130 Introduction to Statistics</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

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*Biology Education* 67
**Credit Requirements in Related Fields**

**Total Credit Requirement for a Major in Biomedical Sciences** 76 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
- Philosophy/Ethics 6 cr
- College Writing 3-6 cr

3.2 DISTRIBUTION*
- Fine Arts 3 cr
- History 6 cr
- Literature 6 cr
- Mathematics 0 cr (fulfilled by related field req.)
- Natural Science 0 cr (fulfilled by major field req.)
- Philosophy/Religious Studies 3 cr
- Social Science 6 cr

**Total Core/Liberal Studies Requirement** 33-36 cr

* Students must take one course that will fulfill the cultural diversity requirement. Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description in catalog.

4.0 Electives 8-11 cr

While these are meant to be completely “free” electives, they could be combined with other courses above to constitute a minor or other individualized plan of study.

**Total Credit Requirement for Graduation** 120 cr

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**RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN BIOLOGY – BIOMEDICAL SCIENCES**

**FRESHMAN YEAR**

**FALL**
- BIOL 130 Gen Biology I 4 cr
- CHEM 131 Gen Chemistry I 4 cr
- ENG 116 College Writing I 3 cr
- Core/LS History 3 cr
- CSIS 103 Info & Computer Literacy 3 cr

**SPRING**
- BIOL 131 Gen Biology II 4 cr
- CHEM 132 Gen Chemistry II 4 cr
- ENG 117 College Writing II 3 cr
- MATH 241 Calculus I 4 cr
- HLTH 110 Intro to Health Professions 1 cr

**TOTAL** 17 cr 16 cr

**SOPHOMORE YEAR**

**FALL**
- CHEM 211 Organic Chem I 3 cr
- CHEM 215 Organic Chem I Lab 1 cr
- PHYS 211-213 General Physics I & Lab 4 cr
- MATH 130 Statistics I 3 cr
- PHIL 101 Intro to Philosophy 3 cr

**SPRING**
- CHEM 212 Organic Chem II 3 cr
- CHEM 216 Organic Chem II Lab 1 cr
- PHYS 212-214 General Physics II & Lab 4 cr
- MATH 211-213 General Physics I & Lab 4 cr
- MATH 212-214 General Physics II & Lab 4 cr

**TOTAL** 14 cr 15 cr

**JUNIOR YEAR**

**FALL**
- BIOL 201 Human Anatomy & Physiology I OR
- BIOL 440 Vertebrate Physiology 4 cr
- PHIL 300 Ethics 3 cr
- Core/LS Literature 3 cr
- BIOL Elective 3 cr
- Internship 1 cr

**SPRING**
- BIOL 202 Human Anatomy & Physiology II OR
- BIOL 340 Comparative Anatomy 4 cr
- BIOL 320 Genetics 4 cr
- Core/LS Literature 3 cr
- Core/LS Fine Arts 3 cr
- Internship 1 cr

**TOTAL** 14 cr 15 cr

**SENIOR YEAR**

**FALL**
- SCI 477 Science, Medicine & Ethics 3 cr
- Biomedical Sciences Electives 8 cr
- Core/LS History 3 cr

**SPRING**
- Core/LS Philosophy/Religion 3 cr
- Biomedical Sciences Electives 3 cr
- Electives 6 cr
- Core/LS Social Science 3 cr

**TOTAL** 14 cr 15 cr
CONCENTRATION IN CYTOTECHNOLOGY
B.S. in Biology or Medical Technology

Marist College offers a concentration option in Cytotechnology within the Medical Technology and Biology majors. Cytotechnologists are medical laboratory professionals who screen for cellular changes that occur in inflammatory, precancerous, and cancerous conditions. The cells studied may exfoliate from tissue or be removed for examination by brushing, lavage, or fine needle aspiration. Any abnormal microscopic changes detected by the cytotechnologist are reviewed with a pathologist for diagnostic purposes.

Marist College is formally affiliated with the School of Cytotechnology at Memorial Sloan-Kettering Cancer Center (MSKCC) in Manhattan, one of the most prestigious cancer treatment centers in the world. Students electing a concentration in Cytotechnology complete three years of undergraduate study at Marist College and then apply for a full year of education in cytology at MSKCC, which constitutes the fourth year of their college curriculum.

The cytotechnology program at MSKCC is accredited by the American Medical Association’s Commission on Accreditation of Allied Health Education Programs on recommendation of the Cytotechnology Programs Review Committee of the American Society of Cytopathology. Students who complete training at MSKCC receive a B.S. degree in Medical Technology or Biology from Marist College and a certificate in Cytotechnology from MSKCC.

The School of Cytotechnology at MSKCC has an excellent reputation in cytology education. Graduates from the school are rapidly employed in hospitals and clinics, private laboratories, public health facilities, and industry. They are eligible to take a national exam in cytotechnology through the American Society for Clinical Pathology in order to be board certified.

Additional information on the Cytotechnology option can be obtained through the chairperson of the Department of Medical Laboratory Sciences and the Marist College Cytotechnology web page: http://www.marist.edu/science/medicaltech/cyto.html.

Admission to the MSKCC program is very competitive. There is no guarantee of acceptance into the School of Cytotechnology at MSKCC. Students who are not accepted may complete their degree in Biology or Medical Technology at Marist College.

BUSINESS ADMINISTRATION

JOANNE H. GAVIN, Ph.D., Chairperson, Department of Management
ELIZABETH F. PURINTON-JOHNSON, Ph.D., Chairperson, Department of Organizational Environments

MISSION:
The mission of the Marist College Business Administration program is to provide a high-quality, professional education in a supportive, interactive, and personalized environment. The Program is designed to provide our business graduates with the knowledge, skills, and values necessary to become effective, socially responsible leaders in today’s competitive and rapidly changing global business environment.

The goals of the School of Management's undergraduate degree program in Business Administration are:

1. To provide a dynamic undergraduate business curriculum, based on a broad liberal arts education that includes an analytical business foundation, exposure to the breadth of the business discipline, and the depth of a primary area of emphasis.
2. To enhance excellence in business education by requiring students to use information and communications technology.
3. To provide coverage of ethical and global issues; exposure to the political, social, technological, legal, natural, and cultural environments of business; and coverage of diversity issues in business.
4. To provide a learning environment which incorporates basic written and oral communications skills in diverse areas of business.
5. To support quality teaching through appropriate faculty intellectual activities.
6. To instill in students an understanding of modern business theory and practice so that they are prepared for an entry-level job or for graduate school.
7. To instill in students the ability to think critically, work in a team, and communicate effectively both orally and in writing.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

The Technical and Analytical Foundation (21-22 credits)
The following required (or recommended) courses provide the technical and analytical foundation required for the study of Business at the undergraduate level:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 203</td>
<td>Financial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 204</td>
<td>Managerial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 103</td>
<td>Principles of Microeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 104</td>
<td>Principles of Macroeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 300</td>
<td>Management Information Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 115</td>
<td>Calculus with Management Applications OR</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 241</td>
<td>Calculus I</td>
<td>3-4 cr</td>
</tr>
<tr>
<td>MATH 130</td>
<td>Introductory Statistics I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

The Business Core (24 credits)
The field of business administration is a broad one. Today’s educated business professional must possess a solid foundation in all the functional activities of organizations, as well as the behavioral, economic, legal, and social environments in which organizations operate. The following required business courses provide the necessary exposure to the breadth of the business discipline:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 100</td>
<td>Introduction to Business and Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 202</td>
<td>Global Business and Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 301</td>
<td>Human Resource Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 302</td>
<td>Organizational Behavior</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 320</td>
<td>Financial Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 340</td>
<td>Marketing Principles</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 382</td>
<td>Legal Foundations of Business</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 388</td>
<td>Operations Management</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Business Administration 69
The Area of Emphasis (9-12 credits)
The broad exposure to business provided by the Business Core is necessary, but not sufficient, for the Bachelor's degree in Business Administration. To develop the capability to contribute to an organization's competitiveness, the student must also acquire more advanced expertise in an area of emphasis. The School of Management encourages each business administration major to select an area of emphasis that
• reflects his or her interests and talents, and
• leads to fulfillment of both career aspirations and employers' expectations.
Students may only select one area of emphasis.
To fulfill employers' expectations for entry-level management positions, and thereby enhance first employment opportunities, students frequently select courses which emphasize one of the following areas:
• Finance (ECON 422, BUS 420, BUS 421, ACCT 330)
• International Business (BUS 430, BUS 442, ECON 442)
• Marketing (BUS 440, BUS 441, BUS 450)
• Human Resources (BUS 401, BUS 402, BUS 410)
• Customized (by special arrangement with the student's advisor and department chair and approved by the dean.)
At the time of the declaration of Finance as the area of emphasis, the student must have already earned a grade of C or better in each of the following courses: ECON 103, ECON 104, ACCT 203, ACCT 204, MATH 115, MATH 130.

The area of emphasis is a key component of each student's Study Plan. This plan is developed in consultation with the student's faculty advisor. Any proposed changes in the courses comprising a student's approved area of emphasis must be authorized by the appropriate department chair.

Interdisciplinary Areas of Emphasis
To provide business majors with additional options, the School of Management makes available two interdisciplinary offerings, one in Computer Information Systems and one in Public Administration, which may be used as secondary areas of emphasis.
In cooperation with the Department of Computer Science and Information Systems (CSIS), a secondary area of emphasis in Computer Information Systems can be constructed with the following required courses (12 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC 120</td>
<td>Computer Science I</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 121</td>
<td>Computer Science II</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 130</td>
<td>Information Technology and Systems Concepts</td>
<td>3 cr</td>
</tr>
<tr>
<td>IS 404</td>
<td>Systems Analysis Methods</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

In cooperation with the Political Science Department (POSC), a secondary area of emphasis in Public Administration can be constructed with the following required courses (15 credits):

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 451</td>
<td>Government and Not-For-Profit Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 421</td>
<td>Public Finance</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 110</td>
<td>American National Government</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 240</td>
<td>Introduction to Public Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 301</td>
<td>Program Planning and Evaluation</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 283</td>
<td>Public Administration</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

The Integrative Capping Course (3 credits)
In essence, professional managers apply their business knowledge through informed, action-oriented decision making that enhances the competitiveness of the enterprise. This integrative act must be studied and practiced. The required integrative capping course develops this capability and completes the process of qualifying the business major for the Bachelor's degree in Business Administration:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 477</td>
<td>Management Strategy and Policy</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

SUMMARY OF REQUIREMENTS FOR A BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements in Business Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 203 Financial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 204 Managerial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 103 Principles of Microeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 104 Principles of Macroeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 300 Management Information Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 115 Calculus with Management Applications OR MATH 241 Calculus I</td>
<td>3-4 cr</td>
</tr>
<tr>
<td>MATH 130 Introductory Statistics I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Credit Requirements in Business Foundations 21-22 cr

2.0 Course Requirements in Business

<table>
<thead>
<tr>
<th>Component</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Core</td>
<td>24 cr</td>
</tr>
<tr>
<td>Area of Emphasis</td>
<td>9-12 cr</td>
</tr>
</tbody>
</table>
Integrative Capping Course

Credit Requirement in Business

Total Credit Requirement for a Major in Business Administration

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
- Philosophy/Ethics 6 cr
- Writing 3-6 cr

Total Foundation Credits

3.2 DISTRIBUTION*
- Fine Arts 3 cr
- History 6 cr
- Literature 6 cr
- Mathematics 0 cr (fulfilled by major field req.)
- Natural Science 6 cr
- Philosophy/Religious Studies 3 cr
- Social Science 0 cr (fulfilled by major field req.)

Total Distribution Credits

Total Core/Liberal Studies Requirement

4.0 Electives**

Total Credit Requirement for Graduation

* Students are encouraged to take intermediate foreign-language or culture courses that may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

** Business students are encouraged to use 3-9 credits of electives to pursue one or more internship experiences during their junior and/or senior year. These internship experiences can be arranged with corporations in the local area, New York City, near the student’s hometown, or as part of an international experience through the Marist Abroad programs.

REQUIREMENTS FOR A MINOR IN BUSINESS

Required Courses:
- BUS 100 Introduction to Business and Management* 9 cr
- ACCT 203 Financial Accounting
- ECON 150 Economics of Social Issues
  (ECON 104 or 102 can be used as a substitute)

Select two of the following:
- BUS 301 Human Resource Management 6 cr
- BUS 302 Organizational Behavior
- BUS 320 Financial Management
- BUS 340 Marketing Principles

Electives:
- Select any additional two courses of interest at the 300-400 level from Business, Accounting, or Economics (subject to prerequisites). 6 cr

Total Credit Requirement for a Minor in Business 21 cr

* Accounting majors have the option of taking any upper-level Business or Economics course (not otherwise required for the Accounting Major) instead of BUS 100.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Note: Students who may want to study abroad, including but not limited to doing a business internship abroad, should not take their Core/LS distribution courses freshman and sophomore years. Instead, after Intro to Philosophy, College Writing I and II and Themes of Modern History, these students should take their major courses right away, saving Core/LS and/or elective courses for flexibility when they are abroad.
### FRESHMAN YEAR

#### FALL
- BUS 100 Intro to Bus and Mgmt OR
  - Core/LS PHIL 101 3 cr
  - Core/LS Writing 3 cr
  - MATH 115 Calc w/Mgmt Apps OR MATH 130 Statistics 3 cr
  - ECON 103 Prin of Microecon* 3 cr
  - Core/LS 3 cr
  - Elective 3 cr
  - **Total:** 15 cr

#### SPRING
- BUS 100 Intro to Bus and Mgmt OR
  - Core/LS PHIL 101 3 cr
  - Core/LS Writing or Elective 3 cr
  - ECON 104 Prin of Macroecon** 3 cr
  - Core/LS 3 cr
  - MATH 115 Calc w/Mgmt Apps OR MATH 130 Statistics 3 cr
  - **Total:** 15 cr

### SOPHOMORE YEAR

#### FALL
- ACCT 203 Financial Accounting 3 cr
- BUS 202 Global Business and Society OR
  - Core Emphasis Introductory Course 3 cr
  - Core/LS 6 cr
  - Elective 3 cr
  - **Total:** 15 cr

#### SPRING
- ACCT 204 Managerial Accounting 3 cr
- BUS 202 Business and Society OR
  - Core Emphasis Introductory Course 3 cr
  - Core/LS 6 cr
  - Elective 3 cr
  - **Total:** 15 cr

### JUNIOR YEAR

#### FALL
- ITS 300 Management Information Systems OR
  - Core/LS PHIL 300 3 cr
  - Core Emphasis Introductory Course 3 cr
  - Core Emphasis Introductory Course 3 cr
  - Elective or Business Core Course 3 cr
  - Core/LS or Elective or Internship 3 cr
  - **Total:** 15 cr

#### SPRING
- ITS 300 Management Information Systems OR
  - Core/LS PHIL 300 3 cr
  - Business Core Course or Elective 3 cr
  - Business Core Course 3 cr
  - Business Core Course 3 cr
  - Core/LS or Elective or Internship 3 cr
  - **Total:** 15 cr

### SENIOR YEAR

#### FALL
- Business emphasis elective 3 cr
- Business emphasis elective 3 cr
- Core/LS or Elective or Internship 3 cr
- Elective OR
  - BUS 477 Management Strategy and Policy 3 cr
  - Elective 3 cr
  - **Total:** 15 cr

#### SPRING
- Business emphasis elective 3 cr
- Business emphasis elective 3 cr
- Core/LS or Elective or Internship 3 cr
- BUS 477 Mgmt Strategy and Policy OR
  - Elective 3 cr
  - Elective 3 cr
  - **Total:** 15 cr

**Business Foundation Courses:**
- BUS 100 Introduction to Business
- BUS 202 Global Environment of Business

**Business Core Courses:**
- BUS 302 Organizational Behavior
- BUS 382 Legal Foundations of Business
- BUS 388 Operations Management

**Business Core/LS Requirements (8 courses):**
- History (2 Courses/6 Credits)
- Science (2 Courses/6 Credits)

* Econ 103 was formerly Econ 102
** Econ 104 was formerly Econ 101

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### CATHOLIC STUDIES MINOR

**ROBERT P. LEWIS,** Ph.D., *Coordinator and member of Steering Committee*

**JANET STATERS,** Ph.D., *Member of Steering Committee*

Catholic Studies is a multidisciplinary program which offers students an opportunity to study how the tradition of Catholic Christianity has shaped the world we know today, to examine their beliefs and values in a mature and critical way, and to further integrate their Core/Liberal Studies program.

The three required courses for the Minor are designed to provide students with an historical and theological foundation in the traditions of Catholic Christianity. The elective courses in the several groupings identified below encourage students to explore the implications of Catholic thought, imagination, spirituality, and social/political vision within the many other disciplines they are studying. All the required or elective courses for the Minor can also satisfy one or another Core/LS area requirements.

If you have further questions, contact Dr. Robert Lewis, Coordinator.

The Minor requires a total of 18 credits distributed as follows:

**A. Required Courses**
- HIST 248 (Dual listed as CAST 200) Catholic Studies I: Medieval Europe 3 cr
HIST 255 (Dual listed as CAST 201) Catholic Studies II: The Catholic Church in Modern Times 3 cr
REST 243 (Dual listed as CAST 202) Catholic Thought and Spirituality 3 cr

B. Elective Courses 9 cr
Students must elect at least one course from each of the first two groupings, and a third from any of the three groupings:

Group One (Art, Music, Literature)
- ART 380 Renaissance Art
- ENG 214 Religion in Film and Literature
- ENG 266 The Italian-American Experience
- ENG 330 Medieval Literature
- ENG 324 Chaucer

Appropriate Special-Topics and regular courses in Art, Literature or Music

Group Two (Philosophy and Religious Studies)
- PHIL 223 Medieval Philosophy
- PHIL 231 Philosophy of Religion
- REST 208 The Bible
- REST 203 Principles of Christianity
- REST 204 Principles of Judaism
- REST 431 Spirituality and Religious Development

Appropriate Special-Topics and regular courses in Philosophy or Religious Studies

Group Three (Historical and Cultural Studies)
- HIST 217 (Dual listed as POSC 217) Catholics in the United States
- HIST 266 (Dual listed as POSC 266) The Italian-American Experience
- HIST 286 The Irish Experience in America

Appropriate Special-Topics courses in History or Cultural Studies

Total Credit Requirement for a Minor in Catholic Studies 18 cr

CHEMISTRY

JOHN M. GALBRAITH, Ph.D., Chairperson

MISSION:
The mission of the Department of Chemistry, Biochemistry, and Physics is for students and faculty to acquire a better and more systematic understanding of the physical world and to disseminate new discoveries to the greater scientific community. Faculty expand the knowledge, skills, and values of all students, and help transition their learning styles from passive to active.

In support of this mission, a research-rich, challenging curriculum engages undergraduate chemistry and biochemistry majors amidst a supportive environment featuring exceptional access to faculty and facilities. Two American Chemical Society-approved curricula emphasize extensive hands-on experience with state-of-the-art instrumentation and development of effective communication skills. Computational modeling is integrated throughout the curriculum as one mechanism to blend contemporary practice with traditional methods. A strong sense of community grows from personal attention and individualized mentoring from faculty and support from fellow students.

Students are therefore the central focus and an integral part of the Department, working side-by-side with faculty who are enthusiastically committed to the teacher-scholar model. Faculty strive to be nationally recognized in their areas of specialization by working in research partnerships with students as colleagues. Most departmental majors complete original research projects, many of which culminate in presentation or publication at the national level. Marist Chemistry graduates are superbly prepared to be critically thinking, ethical scientist-citizens, with a balanced understanding of theory and method. Such graduates will be successful regardless of the paths they follow after leaving Marist College.

In pursuit of the philosophy of "Science without Boundaries," the Department actively seeks to collaborate with students and faculty from other disciplines. The Department cherishes its role in training students majoring in the other sciences, because the physical sciences underlie processes integral to the life sciences and health professions. The Department recognizes its responsibility to contribute to the understanding and thinking of non-science majors via its involvement in the Core/Liberal Studies program. Faculty and students also use their expertise to provide service to the College and the mid-Hudson Valley.

Departmental Goals

- To be nationally recognized by high schools as a place to send their best students and by graduate schools as a place to recruit high-quality students.
- To place graduating students in competitive positions of their choice in graduate schools, professional schools, secondary schools, and industry.
- To provide an environment which fosters continued professional growth of the faculty, including the ability to stay active and vital in their respective fields of research.
- To engage students in publication-quality research.
- To contribute to increased scientific knowledge through presentations and publications.

Goals for Students

Students Will:

- Achieve Understanding: Chemistry education at Marist College will emphasize depth of understanding over memorization. Faculty and curricula will foster the ability to solve problems through the understanding and application of fundamental scientific principles. Students will demonstrate factual knowledge by application of key concepts to solve theoretical, laboratory, and research problems.
• **Develop Skills:** Students will develop skills in: laboratory procedure; data keeping and processing; teamwork and leadership; mathematical reasoning; computational methods; retrieval and use of informational resources; and oral and written communication. Students also will learn and practice safe and responsible methods for chemical work.

• **Develop Values:** Students will be held to the highest ethical standards in everything they do, including the recording and reporting of data. Students will also be exposed to other ethical issues in science, including responsible treatment of data, reporting scientific information, ethical misconduct, issues in human and animal experimentation, and the relationship of chemistry to society.

• **Learn Research Methods:** Most of our students will learn research methods by participating in original research, working closely with a faculty member. Those who don’t undertake extensive research projects nevertheless will be exposed to the techniques and methods of chemical research through laboratory work.

• **Increase Awareness of Self:** Students will become aware of their personal learning styles so that they can develop intellectually and continue to grow intellectually.

**Degree Options in Chemistry**

In order to provide a versatile set of programs for students while maintaining the high quality of the Marist Chemistry experience, we offer four degree options. The B.S. Chemistry and B.S. Chemistry-Biochemistry curricula accommodate those students seeking certification from the American Chemical Society as they prepare for careers as professional scientists in the chemical, pharmaceutical, or molecular industries, or as health-care practitioners. These curricula are recommended for those anticipating graduate-level (M.S. or Ph.D.) study in chemistry, biochemistry, or biomedical sciences. The more flexible B.A. Chemistry and B.A. Biochemistry curricula are designed to have significant quantities of free electives, allowing students to pursue personal and professional interests in other areas such as, but not limited to, business, education, and computer science. The B.A. Chemistry degree is especially well suited for those seeking provisional certification to teach chemistry in secondary schools in New York State or for marketing and sales positions in the chemical and pharmaceutical industries. The B.A. Biochemistry degree, with proper choice of electives, may be used as preparation for students seeking a career in the health professions.

**REQUIREMENTS FOR A BACHELOR OF SCIENCE IN CHEMISTRY**

Notes: A minimum of 60 credits in Liberal Arts is required.

### Core Courses:

- CHEM 131 General Chemistry I: Introduction to Inorganic Chemistry
- CHEM 132 General Chemistry II: Introduction to Physical Chemistry
- CHEM 211 Organic Chemistry I
- CHEM 212 Organic Chemistry II
- CHEM 215 Organic Chemistry I Lab
- CHEM 216 Organic Chemistry II Lab
- CHEM 355 Analytical Chemistry
- CHEM 361 Physical Chemistry: Thermodynamics and Kinetics
- CHEM 362 Physical Chemistry: Quantum and Statistical Mechanics
- CHEM 365 Experimental Physical Chemistry: Thermodynamics & Kinetics
- CHEM 366 Experimental Physical Chemistry: Quantum & Statistical Mechanics
- CHEM 376 Research Methods in Chemistry I
- CHEM 475 Research Methods in Chemistry II
- CHEM 476 Research Methods in Chemistry III
- SCI 477 Science, Medicine and Ethics

Two additional courses selected from the following:

- CHEM 420 Biochemistry I
- CHEM 421 Biochemistry II
- CHEM 423 Biochemistry I Lab
- CHEM 424 Biochemistry II Lab
- CHEM 430 Advanced Inorganic Chemistry
- CHEM 431 Advanced Inorganic Chemistry Lab
- CHEM 440 Advanced Organic Chemistry
- CHEM 460 Polymer Chemistry

**Students seeking ACS certification must take CHEM 420, 430, AND 431**

### Credit Requirement in Chemistry

44 cr

### 2.0 Course Requirements in Related Fields

#### MATH 210 Linear Algebra

- 3 cr

#### MATH 241 Calculus I

- 4 cr

#### MATH 242 Calculus II

- 4 cr

#### PHYS 211 General Physics I**

- 3 cr

#### PHYS 212 General Physics II

- 3 cr

#### PHYS 213 Physics Lab I***

- 1 cr

#### PHYS 214 Physics Lab II

- 1 cr

#### CMSC 120* Computer Science I OR EDUC 150 OR

- 3-4 cr

#### CSIS 103 Information & Computer Literacy

*Choice consistent with background in Computer Science

**PHYS 222 General Physics III may be substituted with departmental approval

***PHYS 221 Physics Lab III may be substituted with departmental approval

### Credit Requirement in Related Fields

22-23 cr
Total Credit Requirement for a Major in Chemistry 66-67 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

| Philosophy/Ethics | 6 cr |
| Writing | 3-6 cr |

3.2 DISTRIBUTION*

| Fine Arts | 3 cr |
| History | 6 cr |
| Literature | 6 cr |
| Mathematics | 0 cr | (fulfilled by major field req.) |
| Natural Science | 0 cr | (fulfilled by major field req.) |
| Philosophy/Religious Studies | 3 cr |
| Social Science | 6 cr |

Total Core/Liberal Studies Requirement 33-36 cr

4.0 Electives 17-21 cr

Recommended Course

MATH 321 Differential Equations

Total Credit Requirement for Graduation 120 cr

* Students must take one course that will fulfill the cultural diversity requirement. Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description in catalog.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN CHEMISTRY – BIOCHEMISTRY OPTION

Notes: A minimum of 60 credits in Liberal Arts is required. Pre-medical Chemistry majors should add BIOL 113 (1 cr) to the list of course requirements in related fields.

1.0 Course Requirements in Chemistry

Core Courses: 37 cr

CHEM 131 General Chemistry I: Introduction to Inorganic Chemistry
CHEM 132 General Chemistry II: Introduction to Physical Chemistry
CHEM 211 Organic Chemistry I
CHEM 212 Organic Chemistry II
CHEM 215 Organic Chemistry I Lab
CHEM 216 Organic Chemistry II Lab
CHEM 355 Analytical Chemistry
CHEM 361 Physical Chemistry: Thermodynamics and Kinetics
CHEM 362 Physical Chemistry: Quantum and Statistical Mechanics
CHEM 365 Experimental Physical Chemistry: Thermodynamics & Kinetics
CHEM 376 Research Methods in Chemistry I
CHEM 475 Research Methods in Chemistry II
CHEM 476 Research Methods in Chemistry III
SCI 477 Science, Medicine and Ethics

Additional courses: 8 cr

CHEM 420 Biochemistry I
CHEM 421 Biochemistry II
CHEM 423 Biochemistry Lab I
CHEM 424 Biochemistry Lab II

Students seeking ACS certification must also take:

CHEM 430 & 431 Advanced Inorganic Chemistry and Lab

Credit Requirement in Chemistry 45 cr

2.0 Course Requirements in Related Fields

| BIOL 130 General Biology I | 4 cr |
| BIOL 131 General Biology II | 4 cr |
| BIOL 450 Biotechnology OR BIOL 493 Molecular Biology (requires BIOL 320 Genetics) | 4 cr |
| MATH 241 Calculus I | 4 cr |
| MATH 242 Calculus II | 4 cr |
PHYS 211 General Physics I** 3 cr
PHYS 212 General Physics II 3 cr
PHYS 213 Physics Lab I*** 1 cr
PHYS 214 Physics Lab II 1 cr
CMSC 120* Computer Science I OR EDUC 150 OR 3 cr
CSIS 103 Information & Computer Literacy
*Choice consistent with background in Computer Science
** PHYS 222 General Physics III may be substituted with departmental approval
*** PHYS 221 Physics Lab III may be substituted with departmental approval

Credit Requirement in Related Fields 31-32 cr

Total Credit Requirement for a Major in Chemistry 76-77 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
   Philosophy/Ethics 6 cr
   Writing 3-6 cr

3.2 DISTRIBUTION*
   Fine Arts 3 cr
   History 6 cr
   Literature 6 cr
   Mathematics 0 cr (fulfilled by related field req.)
   Natural Science 0 cr (fulfilled by major field req.)
   Philosophy/Religious Studies 3 cr
   Social Science 6 cr

Total Core/Liberal Studies Requirement 24 cr

4.0 Electives 7-11 cr
   Recommended Courses
   BIOL 315 Immunology
   BIOL 320 Genetics

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description in catalog.

REQUIREMENTS FOR A BACHELOR OF ARTS IN CHEMISTRY

Students interested in obtaining provisional New York State certification to teach Chemistry at the secondary level should follow this curriculum and contact Prof. Robert Balogh-Robinson, (845) 575-3000, ext. 2242 or Robert.Robinson@Marist.edu.

Notes: A minimum of 90 credits in Liberal Arts is required.

1.0 Course Requirements in Chemistry
   Core Courses: 35 cr
   CHEM 131 General Chemistry I
   CHEM 132 General Chemistry II
   CHEM 211 Organic Chemistry I
   CHEM 212 Organic Chemistry II
   CHEM 215 Organic Chemistry Lab I
   CHEM 216 Organic Chemistry Lab II
   CHEM 355 Analytical Chemistry
   CHEM 361 Physical Chemistry: Thermodynamics and Kinetics OR
   CHEM 362 Physical Chemistry: Quantum and Statistical Mechanics
   CHEM 365 Experimental Physical Chemistry: Thermodynamics and Kinetics OR
   CHEM 366 Experimental Physical Chemistry: Quantum and Statistical Mechanics
   CHEM 376 Research Methods in Chemistry I
   SCI 477 Science, Medicine and Ethics
   CHEM 420 Biochemistry I
   CHEM 423 Biochemistry Lab I

76 Chemistry
Credit Requirement in Chemistry 35 cr

2.0 Course Requirements in Related Fields

<table>
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<tr>
<th>Course</th>
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<tbody>
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<td>MATH 242 Calculus II</td>
<td>4 cr</td>
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<tr>
<td>PHYS 211 General Physics I**</td>
<td>3 cr</td>
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<td>PHYS 212 General Physics II</td>
<td>3 cr</td>
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<tr>
<td>PHYS 213 Physics Lab III***</td>
<td>1 cr</td>
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<tr>
<td>PHYS 214 Physics Lab II</td>
<td>1 cr</td>
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<tr>
<td>CMSC 120* Computer Science I OR EDUC 150 OR</td>
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<td>CSIS 103 Information &amp; Computer Literacy</td>
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* Choice consistent with background in Computer Science
** PHYS 222 General Physics III may be substituted with departmental approval
*** PHYS 221 Physics Lab III may be substituted with departmental approval

Credit Requirement in Related Fields 19-20 cr

Total Credit Requirement for a B.A. Major in Chemistry 54-55 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

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Total 9-12 cr

3.2 DISTRIBUTION*

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<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
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<tr>
<td>Social Science</td>
<td>6 cr</td>
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Total 24 cr

Total Core/Liberal Studies Requirement 33-36 cr

4.0 Electives 29-33 cr

Total Credit Requirement for Graduation 120 cr

* Students must take one course that will fulfill the cultural diversity requirement. Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description in catalog.

requirements for a bachelor of arts in biochemistry

Note: A minimum of 90 credits in Liberal Arts is required.

1.0 Course Requirements in Chemistry

<table>
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<tr>
<th>Course</th>
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<tr>
<td>CHEM 131 General Chemistry I</td>
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<td>CHEM 211 Organic Chemistry I</td>
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<td>CHEM 215 Organic Chemistry Lab I</td>
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<td>CHEM 216 Organic Chemistry Lab II</td>
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<tr>
<td>CHEM 355 Analytical Chemistry</td>
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<tr>
<td>CHEM 361 Physical Chemistry: Thermodynamics and Kinetics</td>
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<tr>
<td>CHEM 365 Experimental Physical Chemistry: Thermodynamics and Kinetics</td>
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<tr>
<td>CHEM 376 Research Methods in Chemistry I*</td>
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<tr>
<td>CHEM 420 Biochemistry I</td>
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</tr>
<tr>
<td>CHEM 423 Biochemistry Lab I</td>
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<tr>
<td>SCI 477 Science, Medicine and Ethics</td>
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*A suitable internship may be substituted with Departmental approval.

Credit Requirement in Chemistry 35 cr
2.0 Course Requirements in Related Fields

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<td>BIOL 131</td>
<td>General Biology II</td>
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<td>BIOL 450</td>
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<td>OR BIOL 201</td>
<td>Human Anatomy and Physiology I</td>
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<td>OR BIOL 312</td>
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<td>OR BIOL 320</td>
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<tr>
<td>OR BIOL 315</td>
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<td>OR BIOL 325</td>
<td>Histology</td>
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<td>OR BIOL 340</td>
<td>Comparative Anatomy</td>
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<td>OR BIOL 440</td>
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<td>OR BIOL 435</td>
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<td>OR BIOL 450</td>
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<tr>
<td>OR BIOL 493</td>
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<td>OR CHEM 421</td>
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<td>OR ENSC 404</td>
<td>Toxicology</td>
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<td>OR MEDT 301</td>
<td>Clinical Micro. I</td>
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<td>OR MEDT 305</td>
<td>Clinical Chem I</td>
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<td>OR MEDT 315</td>
<td>Hemo. I</td>
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<td>OR MEDT 340</td>
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<td>OR MEDT 345</td>
<td>Clinical Microscopy I</td>
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<td>PHYS 211</td>
<td>General Physics I**</td>
<td>3 cr</td>
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<tr>
<td>PHYS 212</td>
<td>General Physics II</td>
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<tr>
<td>PHYS 213</td>
<td>Physics Lab I***</td>
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<tr>
<td>PHYS 214</td>
<td>Physics Lab II</td>
<td>1 cr</td>
</tr>
<tr>
<td>CMSC 120*</td>
<td>Computer Science I OR EDUC 150 OR CSIS 103 Information &amp; Computer Literacy</td>
<td>3-4 cr</td>
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</tbody>
</table>

* Choice consistent with background in Computer Science
** PHYS 222 General Physics III may be substituted with departmental approval
*** PHYS 221 Physics Lab III may be substituted with departmental approval

Credit Requirement in Related Fields 30-32 cr

Total Credit Requirement for a B.A. Major in Biochemistry 65-67 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

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<tr>
<td>Philosophy/Ethics</td>
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3.2 DISTRIBUTION*

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<td>Mathematics</td>
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<td>Natural Science</td>
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<td>Philosophy/Religious Studies</td>
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<td>Social Science</td>
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Total Core/Liberal Studies Requirement 33-36 cr

4.0 Electives

Recommended Courses

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<tr>
<th>Course Code</th>
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<td>BIOL 315</td>
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<td>BIOL 320</td>
<td>Genetics</td>
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Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description in catalog.

REQUIREMENTS FOR A MINOR IN CHEMISTRY

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<th>Course Code</th>
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<td>CHEM 131</td>
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<td>CHEM 132</td>
<td>General Chemistry II and Lab</td>
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<td>CHEM 211</td>
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<td>CHEM 212</td>
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<td>CHEM 215</td>
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<td>CHEM 216</td>
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</table>
Two courses chosen from two different groups. One of these courses must be accompanied by its corresponding lab course.

Group 1: CHEM 355 Analytical Chem* OR CHEM 376 Res Methods in Chem I* OR CHEM 310 Env Chem
Group 2: CHEM 361 Thermodynamics & Kinetics** OR CHEM 362 Quantum and Statistical Mechanics**
Group 3: CHEM 430 Adv Inorg Chem OR CHEM 440 Adv Org Chem OR other advanced special topics courses as offered
Group 4: CHEM 420 Biochemistry I

* Both have lab courses built in, no further lab would be required.
** CHEM 361-362-363 require PHYS 211-212 and MATH 210.

Total Credit Requirement for a Minor in Chemistry 23-25 cr

### RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN CHEMISTRY

#### FRESHMAN YEAR

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<tr>
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#### SOPHOMORE YEAR

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#### SENIOR YEAR

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### RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN CHEMISTRY – BIOCHEMISTRY OPTION

#### FRESHMAN YEAR

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<td>BIOL 130 General Biology I</td>
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#### SOPHOMORE YEAR

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<td>PHYS 212 General Physics II</td>
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### Recommended Program Sequence for a Bachelor of Arts in Chemistry

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 131 General Chemistry I</td>
<td>CHEM 132 General Chemistry II</td>
</tr>
<tr>
<td>CSIS 103 Information &amp; Computer Literacy</td>
<td>MATH 242 Calculus II</td>
</tr>
<tr>
<td>MATH 241 Calculus I</td>
<td>ENG 117 College Writing II</td>
</tr>
<tr>
<td>ENG 116 College Writing I</td>
<td>PHYS 212 General Physics II</td>
</tr>
<tr>
<td>Elective</td>
<td>PHYS 214 Physics Lab II</td>
</tr>
<tr>
<td>15 cr</td>
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</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 211 Organic Chemistry I</td>
<td>CHEM 212 Organic Chemistry II</td>
</tr>
<tr>
<td>CHEM 215 Organic Chemistry Lab I</td>
<td>CHEM 216 Organic Chemistry Lab II</td>
</tr>
<tr>
<td>PHYS 211 General Physics I</td>
<td>Core/LS Literature</td>
</tr>
<tr>
<td>PHYS 213 Physics Lab I</td>
<td>Core/LS Literature</td>
</tr>
<tr>
<td>Elective</td>
<td>Electives*</td>
</tr>
<tr>
<td>HIST 101 Themes in Modern History</td>
<td></td>
</tr>
<tr>
<td>14 cr</td>
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</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective OR CHEM 362 Quant &amp; Stat Mechanics</td>
<td>CHEM 361 Thermo &amp; Kinetics OR Elective</td>
</tr>
<tr>
<td>CHEM 355 Analytical Chemistry</td>
<td>CHEM 376 Research Meth in Chem I</td>
</tr>
<tr>
<td>Core/LS Social Science</td>
<td>CHEM 365 Exp. P. Chem: Thermo &amp; Kinetics OR</td>
</tr>
<tr>
<td>Core/LS Literature</td>
<td>CHEM 366 Exp. P. Chem: Quant &amp; Stat Mech</td>
</tr>
<tr>
<td>PHIL 300 Ethics</td>
<td>Core/LS History</td>
</tr>
<tr>
<td>Core/LS Social Science</td>
<td>Core/LS Social Science</td>
</tr>
<tr>
<td>16 cr</td>
<td>14 cr</td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 420 Biochemistry I</td>
<td>Core/LS Fine Arts</td>
</tr>
<tr>
<td>CHEM 423 Biochemistry I Lab</td>
<td>Core/LS Philosophy/Religious Studies</td>
</tr>
<tr>
<td>SCI 477 Science, Medicine &amp; Ethics</td>
<td>Electives</td>
</tr>
<tr>
<td>MATH 241 Calculus I</td>
<td></td>
</tr>
<tr>
<td>ENG 116 College Writing I</td>
<td>ENG 117 College Writing II</td>
</tr>
<tr>
<td>16 cr</td>
<td>14 cr</td>
</tr>
</tbody>
</table>

* MATH 210 Linear Algebra is recommended as an elective for students wishing to take CHEM 362 Quantum and Statistical Mechanics.

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### Recommended Program Sequence for a Bachelor of Arts in Biochemistry

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 131 General Chemistry I</td>
<td>CHEM 132 General Chemistry II</td>
</tr>
<tr>
<td>BIOL 130 General Biology I</td>
<td>BIOL 131 General Biology II</td>
</tr>
<tr>
<td>MATH 241 Calculus I</td>
<td>MATH 242 Calculus II</td>
</tr>
<tr>
<td>ENG 116 College Writing I</td>
<td>ENG 117 College Writing II</td>
</tr>
<tr>
<td>15 cr</td>
<td>15 cr</td>
</tr>
</tbody>
</table>

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### SOPHOMORE YEAR

**FALL**
- CHEM 211 Organic Chemistry I 3 cr
- CHEM 215 Organic Chemistry I Lab 1 cr
- PHYS 211 General Physics I 3 cr
- PHYS 213 Physics I Lab 1 cr
- PHIL 101 Intro to Philosophy 3 cr
- CSIS 103 Info & Computer Literacy 3 cr
- Elective 2 cr

**SPRING**
- CHEM 212 Organic Chemistry II 3 cr
- CHEM 216 Organic Chemistry II Lab 1 cr
- PHYS 212 General Physics II 3 cr
- PHYS 214 Physics II Lab 1 cr
- HIST 101 Themes in Modern History 3 cr
- Elective 3 cr

**Total Credits: 16 cr**

### JUNIOR YEAR

**FALL**
- CHEM 420 Biochemistry I 3 cr
- CHEM 423 Biochemistry I Lab 1 cr
- Core/LS Ethics 3 cr
- Core/LS Literature 3 cr
- Elective 3 cr

**SPRING**
- CHEM 361 Thermo and Kinetics 3 cr
- CHEM 365 Exp. P Chem: Thermo & Kinetics 1 cr
- Core/LS Philosophy/Religious Studies 3 cr
- Core/LS History 3 cr
- Core/LS Social Science 3 cr
- Elective Social Science 1 cr

**Total Credits: 14 cr**

### SENIOR YEAR

**FALL**
- CHEM 355 Analytical Chemistry 4 cr
- SCI 477 Science, Medicine & Ethics 3 cr
- Core/LS Literature 3 cr
- Elective Fine Arts 3 cr

**SPRING**
- CHEM 376 Research Methods in Chem I 4 cr
- Biology Elective 4 cr
- Core/LS Social Science 3 cr
- Elective 3 cr

**Total Credits: 14 cr**

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**COMMUNICATION AND MEDIA ARTS**

**KEITH STRUDLER, Ph.D., Chairperson, Communication Department**

**PAULA WILLOQUET-MARICONDI, Ph.D., Chairperson, Media Arts Department**

**MISSION:**

The program is designed to challenge students interested in studying the many forms of human communication – its process, outcomes, and effects. The core of this investigation centers on the ways in which human beings purposefully utilize symbols in interaction to create or modify a socially meaningful world. Through courses and internships, the program combines a strong liberal arts background with a professional focus. Inherent in the program’s courses and internships is the integration of communication theories and the liberal arts tradition. This is accomplished through the strategic application of theory to the hands-on practice of communication. The opportunity for internships is readily available, as the strong alumni network of the School ensures that our students intern in some of the top communication organizations in the Northeast, including the major television networks, public-relations firms, radio stations, newspapers, nonprofit and human-service agencies, and Fortune 500 companies. This on-the-job training helps graduates as they prepare to enter this exciting and ever-changing profession.

**OBJECTIVES:**

Students graduating with a major in Communication should:

1. have an understanding of communication theory and the ability to translate this theory successfully into practice;
2. be able to speak and write effectively;
3. be able to function knowledgeably and critically as consumers and practitioners in the diverse fields of communication;
4. be media literate;
5. have competence in critical thinking and problem solving;
6. have an awareness of the moral and ethical issues involved in human communication.

The Communication program offers concentrations in Advertising, Communication Studies, Interactive Media/Game Studies, Journalism, Public Relations/Organizational Communication, Radio/Television/Film, and Sports Communication. Communication is a discipline that involves the study of symbolic behavior in many contexts. Regardless of their specialties, communicators are involved in fundamentally similar activities. They gather and process information and create and disseminate messages. Advertisers, journalists, public-relations practitioners, public speakers, television, radio, film, or multimedia producers, and all who communicate with others, engage in these essential operations.

**Minor and Certificate Programs:**

The program also includes a Minor in Communication and in Cinema Studies for those students who wish to combine the study of communication with a major in another discipline. A certificate in Art and Advertising Design is offered jointly by the Department of Communication and the Department of Art and Art History for those students who want to gain a foundation in art and concentrate on developing skills in design and advertising.

**Communication Foundation Courses (12 credits)**

The communication major is required to take four foundation courses. These courses will be taken during the freshman and sophomore years. The courses are:

- COM 102 Introduction to Communication 3 cr
- COM 103 Digital Toolbox 3 cr
- COM 101 Public Presentations 3 cr
- COM 200 Communication Research: Strategies and Methods 3 cr
Communication Concentrations (18 credits)
Communication majors are required to select one of seven concentrations which will focus their study of communication on: advertising, communication studies, journalism, gaming and interactive media, public relations/organizational communication, radio/television/film, or sports communication. These course requirements constitute a systematic study of the application of communication principles to a particular area of interest or specific profession. The courses which make up the communication concentration requirements provide a focus and depth of study for the communication student.

**Advertising Concentration (18 cr)**
- COM 110 Principles of Advertising
- COM 155 Media Literacy
- COM 210 Writing for Advertising

Select one of two specialties:
- **Advertising Creative Specialty**
  - COM 310 Broadcast Commercial
  - COM 410 Advanced Copywriting

Select one:
- COM 311 Retail Advertising and Promotion
- COM 312 Direct Response Advertising
- COM 313 Media Planning

**Advertising Management Specialty**
- COM 313 Media Planning

Select two:
- COM 311 Retail Advertising and Promotion
- COM 312 Direct Response Advertising
- COM 411 Business to Business Advertising

**Communication Studies Concentration (18 cr)**
- COM 203 Interpersonal Communication
- COM 301 Small Group Communication
- COM 302 Persuasion
- COM 325 Intercultural Communication
- COM 420 Advanced Public Presentations
- COM 425 Communication Theory

**Interactive Media/Game Studies Concentration (18 cr)**
- COM 155 Media Literacy
- COM 230 Digital Video for Interactive Applications
- COM 255 Communicating on the Internet
- COM 355 Interactive Media I

Select one of two specializations:
- **Game Studies Specialization**
  - COM 265 Concepts in Game Studies
  - COM 357 Video Game Production

- **Interactive Media Specialization**
  - COM 356 Interactive Media II
  - COM 389 Communication Revolution

**Journalism Concentration (18 cr)**
- COM 242 Introduction to Journalism
- COM 236 News Editing
- COM 300 Mass Communication Law

Select one of three specialties:
- **News Specialty**
  - COM 322 Newswriting
  - COM 323 Public Affairs Reporting
  - COM 461 News Workshop

- **Magazine Specialty**
  - COM 327 Magazine Writing
  - COM 345 Photojournalism OR COM 328 Magazine Layout & Design
  - COM 462 Magazine Publishing Workshop

- **Broadcast News Specialty**
  - COM 331 Broadcast Newswriting
  - COM 332 Producing the Newscast
  - COM 463 Broadcast News Workshop

**Public Relations/Organizational Communication Concentration (18 cr)**
- COM 203 Interpersonal Communication
- COM 270 Organizational Communication
- COM 370 Public Relations
- COM 375 Public Opinion
- COM 470 Organizational Writing
- COM 471 Case Studies in Public Relations

**Radio/Television/Film Concentration (18 cr)**
- COM 285 Broadcasting
- COM 186 Art of Film
- COM 287 Video Production I
- COM 289 Writing for the Media

Select one:
- COM 486 Film Theory and Criticism
- COM 487 Television Theory and Criticism

Select one:
- COM 387 Audio for Media
- COM 393 Video Production II
- COM 398 Advanced Editing Techniques

**Sports Communication (18 cr)**
- COM 242 Introduction to Journalism
- COM 260 Sport, Culture, and Communication
- COM 308 Communication Internship (3 credits)
- COM 365 Issues in Sports Media

Select two:
- COM 445 Sports Reporting
- COM 448 Sports Broadcasting
- COM 460 Sports Public Relations

**Communication Electives (12 credits)**
Each student is required to take four additional communication elective courses at the 300-400 level. A student, in consultation with a communication faculty advisor, will select four communication electives. These courses may be drawn from any area of the communication curriculum. These courses could be selected to allow a greater depth in investigating subjects encountered in the communication foundation or concentration requirements. Alternatively, these courses could be designed to broaden a student’s understanding of subjects beyond the student’s specialized concentration. Thirdly, communication electives could be selected in association with one’s cognate courses to organize the student’s study around a special interest related to communication (e.g., journalistic coverage of criminal justice issues, media uses in developing nations, communication and politics).

Note: Internships carry non-liberal-arts elective credits and will not fulfill the above requirements.

**Communication Capping Course (3 credits)**
- COM 401 Capping Course 3 cr

**Courses in Related Fields (9–21 credits)**
- CSIS 103 Information & Computer Literacy 3 cr
- Cognate (COM Cog) 12 cr

82 Communication and Media Arts
Cognates are organizational schemas which help guide a student’s choices for Core/Liberal Studies courses or free electives so that such courses are more clearly connected to a student’s study of a particular area of communication and more systematically extend that study into related skills and knowledge areas. A cognate includes 12 credits that students select with the approval of their advisor and the Chairperson during registration once they have completed 30 credit hours. These courses may be in different departments but are related to the student’s educational and professional goals. Some of these courses may fulfill Core/Liberal Studies requirements. Two of these courses must be at the 300 level or above. Courses developing subjects in the student’s Core/Liberal Studies requirements and extending those subjects with related free electives are especially appropriate for this COM Cog requirement. Any non-communication minor or any certificate will also satisfy this requirement.

Foreign Language and/or Culture requirement 6 cr
(COM LC)

Consistent with our mission to prepare communication students to live in a global economy, we require students to take two courses that help them to communicate with diverse audiences. A student may meet this requirement by selecting courses from Modern Language offerings in language (any level) or culture or by selecting courses from the following list or by selecting other suitable courses with the approval of their advisors.

Students may apply either COM 325, COM 400, or COM 435 toward meeting the requirements for Communication Electives.

Core/Liberal Studies or other requirements
ANTH 101 Intro to Anthro I
ANTH 102 Intro to Anthro II
ANTH 231 American Culture II
ANTH 232 Religion and Culture
ANTH 233 The American Indian
COM 325 Intercultural Communication
COM 400 Gender, Culture, and Communication
COM 435 Race and Ethnicity in Film
COM 488 Comparative Communication Systems
CRJU 314 U.S. Urban Cultures
CRJU 440 Senior Seminar I: Cross Cultural Criminal Justice Systems
ENG 370 The Jewish Literary Genius in the Modern Period
ENG 373 The Language of the Holocaust
HIST 229 Emergence of Women in Western Civilization
HIST 234 The Black American Experience
HIST 240 Race and Nationality in American Life
HIST 251 Women in Asia
HIST 263 Eastern Europe and Russia from 1928 to the Present
HIST 269 Asia II
HIST 274 History of Latin America Since 1830
HIST 285 The History and Political Culture of Ireland
HIST 349 Modern Germany
HIST 355 Comparative Political Systems: Middle East
HIST 375 History of Race Relations in Latin America
INTD 209 Perspectives on the Humanities (adult students only)
POSC 213 Politics of Human Rights
POSC 243 Contemporary Ideologies
POSC 251 Comparative Political Systems I: Great Britain and Western Europe
POSC 252 Comparative Political Systems: CIS and Eastern Europe
POSC 255 Political Economy: East Asia
POSC 271 Nationalism and Communism in China and Taiwan
POSC 273 International Politics
POSC 280 International Communication and Negotiation
POSC 285 The History and Political Culture of Ireland
POSC 350 Comparative Politics in Latin America
POSC 353 Comparative Politics of Developing Areas
POSC 355 Comparative Political Systems: Middle East
POSC 372 International Law and Organizations
REST 209 World Religions
REST 225 Global Liberation Theology
SOC 220 Sociology of Religion
SOCW 395 Social Work with Diverse Populations

Students are permitted to count a course as fulfilling both a COM LC and a COM Cog requirement.
SUMMARY OF REQUIREMENTS FOR A BACHELOR OF ARTS IN COMMUNICATION

Note: A minimum of 90 credits in Liberal Arts is required.

1.0 Course Requirements in Communication
   - Communication Foundation Courses 12 cr
   - Communication Concentration Courses 18 cr
   - Communication Electives 12 cr
   - Communication Capping Course 3 cr

   Credit Requirement in Communication 45 cr

2.0 Course Requirements in Related Fields
   - CSIS 103 Information & Computer Literacy 3 cr
   - Cognate (COM Cog) 12 cr
   - Foreign Language and/or Culture courses 6 cr

   Credit Requirement in Related Fields 21 cr

Total Credit Requirement for a Major in Communication 66 cr

3.0 Core/Liberal Studies Requirement

3.1 FOUNDATION
   - Philosophy/Ethics 6 cr
   - Writing 3-6 cr

   9-12 cr

3.2 DISTRIBUTION*
   - Natural Science 6 cr
   - Social Science 6 cr
   - History 6 cr
   - Literature 6 cr
   - Mathematics 6 cr
   - Fine Arts 3 cr
   - Philosophy/Religious Studies 3 cr

   36 cr

Total Core/Liberal Studies Requirement 45-48 cr

4.0 General Electives

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See the Core/Liberal Studies Curriculum description of the foreign-language option.

Internships

0-14 credits

Students may take up to 14 non-communication, general elective non-liberal arts credits in internships during fall, spring, summer semesters only. Students may enroll in more than one internship. International internships are available through application to the Marist Study Abroad Program. Student must have Junior standing and permission of the Internship Director.

Prerequisite: CRDV 100N Employment Practicum (1 credit) must be completed prior to the semester in which the student plans to do an internship.

Academic Requirements:
- Completion of 60 credits
- 2.5 G.P.A.
- Meet in person with Internship Director prior to start of the semester of the internship
## REQUIREMENTS FOR A MINOR IN COMMUNICATION

**COM 102 Introduction to Communication**  
3 cr

Choose one of the eight (8) communication concentration areas:

### Advertising (15 cr)
- COM 110 Principles of Advertising
- COM 155 Media Literacy
- COM 210 Writing for Advertising
- COM 313 Media Planning

**Select one:**
- COM 410 Advanced Copywriting
- COM 310 Broadcast Commercial
- COM 311 Retail Advertising and Promotion
- COM 411 Business to Business Advertising
- COM 312 Direct Response Advertising

### Communication Studies (15 cr)
- COM 101 Public Presentations
- COM 203 Interpersonal Communication
- COM 301 Small Group Communication
- COM 302 Persuasion

**Select one:**
- COM 325 Intercultural Communication
- COM 420 Advanced Public Presentations
- COM 425 Comparative Communication Theory

### General Communication Minor (15 cr)
- COM 101 Public Presentations
- COM 200 Research Strategies and Methods

Plus three Communications electives, two of which must be upper-level

### Interactive Media (15 cr)
- COM 155 Media Literacy
- COM 230 Digital Video for Interactive Applications
- COM 255 Communicating on the Internet
- COM 355 Interactive Media I
- COM 389 Communication Revolution

**Journalism (15 cr)**
- COM 103 Digital Toolbox
- COM 242 Introduction to Journalism
- COM 236 News Editing
- COM 300 Mass Communication Law

**Select one:**
- COM 322 Newswriting
- COM 327 Magazine Writing
- COM 331 Broadcast Newswriting

### Public Relations/Organizational Communication (15 cr)
- COM 203 Interpersonal Communication
- COM 270 Organizational Communication
- COM 370 Public Relations
- COM 375 Public Opinion
- COM 470 Organizational Writing

### Radio/Television/Film (15 cr)
- COM 186 Art of Film
- COM 285 Broadcasting
- COM 287 Video Production I
- COM 289 Writing for the Media

**Select one:**
- COM 486 Film Theory and Criticism
- COM 487 Television Theory and Criticism

### Sports Communication (15 cr)
- COM 242 Introduction to Journalism
- COM 260 Sport, Culture, and Communication
- COM 365 Issues in Sports Media

**Select two:**
- COM 445 Sports Reporting
- COM 448 Sports Broadcasting
- COM 460 Sports Public Relations

Total Credit Requirement for a Minor in Communication 18 cr

## REQUIREMENTS FOR A MINOR IN CINEMA STUDIES

Eighteen credits of approved courses for majors in all disciplines except Communication majors with Radio/TV/Film concentration OR 21 credits of approved courses for majors in Communication with Radio/TV/Film concentration **AND** Communication majors in all concentrations are required to fulfill the 12-credit Cognate when completing the Minor in Cinema Studies. The Cognate can be fulfilled with courses from the Cinema Studies Minor as long as these courses are not in Communication. Cinema Studies courses that also fulfill the cognate include: WMST 385, HIST 316, ENG 339, FREN 305, SPAN 330, SPAN 335, PHIL 333, and approved Special Topics courses. These courses will not count toward the Communication upper-division requirements.

### Two required courses
- COM 186 – Art of Film
- COM 486 – Film Theory and Criticism

6 cr

### Select four/five from the list below:

12-15 cr

(12 credits for all disciplines except communication majors with R/T/F concentration – 15 credits for communication majors with R/T/F concentration):

- COM 385/WMST 385 – Women & Film
- COM 381/HIST 381 – Film and History
- COM 390/ENG 339 – Film and Literature
- COM 391 – Documentary Film
- COM 395 – Experimental Film & Video
- COM 435 – Race and Ethnicity in Film
- COM 489 – Seminar in Cinema Studies

May be taken up to three times. Offered as necessary.

Topics include: Auteur/Film Genres/Film Movements/Themes/National Cinemas
- FREN 305 – Studies in French Film and Literature
- SPAN 330 – Themes in Spanish Cinema
- SPAN 335 – Themes in Latin American Cinema
- PHIL 333 – Philosophy and Film

Total Credit Requirement for a Minor in Cinema Studies 18-21 cr

See requirements for the Certificate under Art and Art History.
FRESHMAN YEAR

FALL
COM 103  Digital Toolbox OR
COM 101  Public Presentations  3 cr
Core/LS PHIL 101  3 cr
Core/LS Coll Writing I  3 cr
Core/LS History  3 cr
CSIS 103  Information & Computer Literacy  3 cr

SPRING
COM 101  Public Presentations OR
COM 103  Digital Toolbox  3 cr
Core/LS Science  3 cr
Core/LS Coll Writing II OR
General Elective  3 cr
Core/LS Social Science  3 cr
Core/LS Hist OR Lang OR Cult  3 cr

15 cr

SOPHOMORE YEAR

FALL
COM 200  Comm Research OR
COM 102  Introduction to Communication  3 cr
COM Concentration  3 cr
COM Concentration  3 cr
Core/LS Mathematics  3 cr
Core/LS Literature  3 cr

SPRING
COM 102  Introduction to Communication OR
COM 200  Comm Research  3 cr
COM Concentration  3 cr
COM Math OR Lang  3 cr
Core/LS Lit OR Lang OR Cult  3 cr
General Elective  3 cr

15 cr

JUNIOR YEAR

FALL
Possible Semester Abroad
COM Concentration OR
COM 300  Elective  3 cr
COM Concentration  3 cr
Core/LS PHIL 300  3 cr
Core/LS Science OR Lang  3 cr
Core/LS Soc Sci  3 cr

SPRING
Possible Semester Abroad
COM 300  Elect OR
COM Concentration  3 cr
COM 300  Elective  3 cr
COM Cog  3 cr
Core/LS PHIL/REST  3 cr
General Elective  3 cr

15 cr

SENIOR YEAR

FALL
Possible Internship
General Elect OR COM 401  Capping  3 cr
General Elect OR COM Internship  3 cr
General Elect OR COM LC OR COM Cog  3 cr
General Elect OR COM LC OR COM Cog  3 cr
General Elect OR COM LC OR COM Cog  3 cr

SPRING
Possible Internship
General Elect OR COM 401  Capping OR General Elective  3 cr
COM 401  Capping OR General Elective  3 cr
COM 300  Elective  3 cr
General Elect OR COM Internship  3 cr
COM Cog  3 cr
Core/LS Fine Arts  3 cr

15 cr

COMPUTER SCIENCE

JAN L. HARRINGTON, Ph.D., Chairperson

MISSION:
The mission of the Department of Computer Science, Information Systems and Information Technology is to prepare students for lifelong careers in the study, design, development, and implementation of hardware, software, and software systems. After completing a program within the Department, a student will:
- Have received instruction in the theoretical foundations of Computer Science, which will form a structure on which specific skills will be built throughout an individual’s career.
- Have been introduced to current computing technologies, as appropriate to the field.
- Be an independent learner who can remain up to date in a rapidly changing field.
- Be able to make socially and ethically responsible decisions about the uses of technology.

The Department of Computer Science, Information Systems and Information Technology is committed to providing its students with a broad range of opportunities both on and off the Marist College campus, including internships in the surrounding business community that provide many students with experience in their chosen fields. The Department of Computer Science, Information Systems and Information Technology is also committed to providing technical competency education to the entire Marist student community.

The major in Computer Science is designed to provide students with a broad background in many aspects of Computer Science. The foundation is then supplemented by advanced courses which are selected by the students to correspond to their personal and career interests.
**REQUIREMENTS FOR A BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

Note: A minimum of 60 credits in Liberal Arts is required.

### 1.0 Course Requirements in Computer Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CMSC 110 Computing Studies Seminar</td>
<td>1 cr</td>
</tr>
<tr>
<td>CMSC 120 Computer Science I</td>
<td>4 cr</td>
</tr>
<tr>
<td>CMSC 121 Computer Science II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 230 Assembly Language Programming</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 233 Language Study</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 310 Object-Oriented Design &amp; Programming Using C++</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 330 Logic Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 331 Theory of Programming Languages</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 335 Advanced Data Structures</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 415 Computer Organization and Architecture</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 422 Operating Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 435 Algorithm Analysis and Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 478 Capping Course</td>
<td>3 cr</td>
</tr>
<tr>
<td>Any three upper-level courses to be selected from the following:</td>
<td>9 cr</td>
</tr>
<tr>
<td>Any 300- or 400-level CMSC courses except internship</td>
<td></td>
</tr>
<tr>
<td>Any 500-level graduate MSCS/software development course</td>
<td></td>
</tr>
<tr>
<td>(Permission of instructor and chair required.)</td>
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</tr>
</tbody>
</table>

47 cr

### 2.0 Course Requirements in Related Fields 14 cr

**Mathematics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 130 Introductory Statistics I</td>
<td>1 cr</td>
</tr>
<tr>
<td>MATH 241 Calculus I</td>
<td>1 cr</td>
</tr>
<tr>
<td>MATH 242 Calculus II</td>
<td>1 cr</td>
</tr>
<tr>
<td>MATH 250 Discrete Mathematics I</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

**Laboratory Science**

An 8-credit laboratory science sequence must be chosen from the following: 8 cr

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 211 General Physics I (Recommended)</td>
<td>1 cr</td>
</tr>
<tr>
<td>PHYS 212 General Physics II (Recommended)</td>
<td>1 cr</td>
</tr>
<tr>
<td>PHYS 213 General Physics Lab I (Recommended)</td>
<td>1 cr</td>
</tr>
<tr>
<td>PHYS 214 General Physics Lab II (Recommended)</td>
<td>1 cr</td>
</tr>
<tr>
<td>BIOL 131 General Biology I &amp; Lab</td>
<td>1 cr</td>
</tr>
<tr>
<td>CHEM 131 General Chemistry I &amp; Lab</td>
<td>1 cr</td>
</tr>
<tr>
<td>CHEM 132 General Chemistry II &amp; Lab</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

**Information Technology and Systems**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 130 Information Technology and Systems Concepts</td>
<td>1 cr</td>
</tr>
</tbody>
</table>

25 cr

**Total Credit Requirement for a Major in Computer Science** 72 cr

### 3.0 Core/Liberal Studies Requirements

#### 3.1 FOUNDATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy/Ethics</td>
<td>6 cr</td>
</tr>
</tbody>
</table>
| Writing                     | 3-6 cr  | 9-12 cr

### 3.2 DISTRIBUTION*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>0 cr</td>
</tr>
<tr>
<td>Social Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>History</td>
<td>6 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>6 cr</td>
</tr>
<tr>
<td>Mathematics</td>
<td>0 cr</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
| Philosophy/Religious Studies        | 3 cr    | 24 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in the catalog.

**Total Core/Liberal Studies Requirement** 33-36 cr
4.0 Electives (and/or Internship)
Internship is limited to a maximum of 12 credits.  

Total Credit Requirement for Graduation  
120 cr

REQUIREMENTS FOR THE CONCENTRATION IN GAME DESIGN AND PROGRAMMING
The Game Design and Programming Concentration is a collection of courses designed to introduce students to critical areas of study related to game development from a Computer Science perspective. Students pursuing the Concentration take all the courses that normally fulfill requirements for a Bachelor of Science in Computer Science. The Concentration constitutes courses, described below, which meet Computer Science electives and other electives.

The Concentration courses are CMSC 111 (Game Studies Seminar), PHYS 211 (General Physics I), CMSC 426 (Computer Graphics), CMSC 414 (Game Design and Programming I), CMSC 424 (Game Design and Programming II), and CMSC 404 (Artificial Intelligence). Students design and develop their own interactive video games and after completing the Concentration, can apply the skills they have learned to:

• General computing.
• Entertainment applications development.
• Digital Media applications development.
• Engineering applications development.
• Further studies of games and game development.

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements in Computer Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC 110 Computing Studies Seminar</td>
<td>1 cr</td>
</tr>
<tr>
<td>CMSC 111 Game Studies Seminar</td>
<td>1 cr</td>
</tr>
<tr>
<td>CMSC 120 Computer Science I</td>
<td>4 cr</td>
</tr>
<tr>
<td>CMSC 121 Computer Science II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 230 Assembly Language Programming</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 233 Language Study</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 310 Object-Oriented Design &amp; Programming Using C++</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 330 Logic Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 331 Theory of Programming Languages</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 335 Advanced Data Structures</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 404 Artificial Intelligence</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 414 Game Design and Programming I</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 415 Computer Organization and Architecture</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 422 Operating Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 424 Game Design and Programming II</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 435 Algorithm Analysis and Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 446 Computer Graphics</td>
<td>3 cr</td>
</tr>
<tr>
<td>CMSC 478 Capping Course</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

51 cr

2.0 Course Requirements in Related Fields

Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 130 Introductory Statistics I</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 241 Calculus I</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 242 Calculus II</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 250 Discrete Mathematics I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Laboratory Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 211 General Physics I (Required)</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 212 General Physics II (Recommended)</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 213 General Physics Lab I (Recommended)</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHYS 214 General Physics Lab II (Recommended)</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOL 130 General Biology I &amp; Lab</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOL 131 General Biology II &amp; Lab</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 131 General Chemistry I &amp; Lab</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHEM 132 General Chemistry II &amp; Lab</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Information Systems

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 130 Information Technology and Systems Concepts</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

25 cr

Total Credit Requirement for a Major in Computer Science  
76 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy/Ethics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Writing</td>
<td>3-6 cr</td>
</tr>
</tbody>
</table>

9-12 cr
### 3.2 DISTRIBUTION*

<table>
<thead>
<tr>
<th>Natural Science</th>
<th>0 cr (fulfilled by major field req.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>History</td>
<td>6 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>6 cr</td>
</tr>
<tr>
<td>Mathematics</td>
<td>0 cr (fulfilled by major field req.)</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3 cr</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>24 cr</strong></td>
</tr>
</tbody>
</table>

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in the catalog.

#### Total Core/Liberal Studies Requirement

33-36 cr

#### 4.0 Electives (and/or Internship)

- Internship is limited to a maximum of 12 credits.
- **8-11 cr**

#### Total Credit Requirement for Graduation

120 cr

### REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE

The minor in Computer Science requires nine credits in Computer Science at the 200-400 level or above. These credits are in addition to the requirements of the student’s major and other minor(s). Total credits must include all of the following courses:

- CMSC 110 Computing Studies Seminar 1 cr
- CMSC 120 Computer Science I 4 cr
- CMSC 121 Computer Science II 3 cr
- CMSC 310 Object-Oriented Design & Programming Using C++ 3 cr
- MATH 250 Discrete Mathematics I 3 cr
- Two CMSC courses at level 200 or above (except internship) 6 cr

**Total Credit Requirement for a Minor in Computer Science**

20 cr

### RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN COMPUTER SCIENCE

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC 110 Comp Stud Seminar</td>
<td>CMSC 121 Comp Sci II 3 cr</td>
</tr>
<tr>
<td>CMSC 120 Comp Sci I</td>
<td>MATH 250 Discrete Math I 3 cr</td>
</tr>
<tr>
<td>MATH 130 Intro Stat I</td>
<td>ITS 130 Info. Tech. and Systems Concepts 3 cr</td>
</tr>
<tr>
<td>PHIL 101 Intro Philosophy</td>
<td>Core/LS History 3 cr</td>
</tr>
<tr>
<td>Core/LS Writing</td>
<td>Core/LS Writing 3 cr</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>15 cr</td>
<td></td>
</tr>
</tbody>
</table>

#### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC 310 Object-Oriented Prog C++</td>
<td>CMSC 230 Assem Lang Prog 3 cr</td>
</tr>
<tr>
<td>MATH 241 Calculus I</td>
<td>MATH 242 Calculus II 4 cr</td>
</tr>
<tr>
<td>Lab Science Sequence</td>
<td>Lab Science Sequence 4 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td></td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

#### JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC 330 Logic Design</td>
<td>CMSC 415 Comp Org and Arch 3 cr</td>
</tr>
<tr>
<td>CMSC 335 Adv Data Structures</td>
<td>CMSC 478 Software Dev 3 cr</td>
</tr>
<tr>
<td>CMSC 233 Lang Study</td>
<td>CMSC 331 Theory Prog Languages 3 cr</td>
</tr>
<tr>
<td>Elective</td>
<td>PHIL 300 Theory Prog Languages 3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td></td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>

#### SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC 422 Operating Systems</td>
<td>Upper-level Elective 3 cr</td>
</tr>
<tr>
<td>CMSC 435 Algor Anal and Design</td>
<td>Upper-level Elective 3 cr</td>
</tr>
<tr>
<td>Upper-level Elective</td>
<td>Electives 5 cr</td>
</tr>
<tr>
<td>Elective</td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>14 cr</td>
</tr>
</tbody>
</table>
The objectives of a Computer Programming Certificate are to provide a fast-track certificate program to (re)train for a career in computer programming and to satisfy some of the prerequisites for the Computer Science Software Development Graduate Program. For other requirements for admission into the graduate program, one should consult the graduate catalog. The certificate will assist students in learning the foundation of computer science and the skills of problem solving and algorithm development, as well as program design, coding, testing, and documentation.

The minimum admission requirement is a High School Diploma with three years of college preparatory mathematics or equivalent. This certificate program will be open to matriculated Marist students who meet the mathematics requirement and should also be very attractive to people who have already completed an Associate or Bachelor degree in areas other than Computing Sciences.

This certificate includes thirteen existing courses offered by the School of Computer Science and Mathematics. Eight of these courses are to be completed. Six of the thirteen are required.

**COMPUTER SCIENCE PREREQUISITE STRUCTURE**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 130</td>
<td>Intro to Stat</td>
</tr>
<tr>
<td>CMSC 110</td>
<td>Computing Studies Seminar</td>
</tr>
<tr>
<td>CMSC 120</td>
<td>Computer Science I</td>
</tr>
<tr>
<td>CMSC 121</td>
<td>Computer Science II</td>
</tr>
<tr>
<td>IS 130</td>
<td>Computing Studies Concepts</td>
</tr>
<tr>
<td>CMSC 230</td>
<td>ASM Prop.</td>
</tr>
<tr>
<td>CMSC 233</td>
<td>Lang. Study</td>
</tr>
<tr>
<td>CMSC 235</td>
<td>Theory of Prog. Lang</td>
</tr>
<tr>
<td>CMSC 330</td>
<td>Logic Design</td>
</tr>
<tr>
<td>CMSC 410</td>
<td>DS and Alg. Analysis</td>
</tr>
<tr>
<td>CMSC 435</td>
<td>Adv. Data Structure</td>
</tr>
<tr>
<td>CMSC 478</td>
<td>Software Dev.</td>
</tr>
<tr>
<td>CMSC 422</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>CMSC 415</td>
<td>Comp. Org. and Arch.</td>
</tr>
</tbody>
</table>

**KEY**
- prerequisite
- co-requisite
COURSE REQUIREMENTS AND SEQUENCING

Session 1:  
CMSC 120  
Computer Science I  
MATH 250  
Discrete Math I

Session 2:  
CMSC 121  
Computer Science II  
CMSC 230  
Assembly Language Programming

Session 3:  
CMSC 233  
Language Study

Session 4:  
CMSC 478  
Software Development

ELECTIVE COURSES: Choose from the following:  
MATH 130  
Introduction to Statistics I  
MATH 115  
Calculus with Management Applications OR  
MATH 241  
Calculus I  
ITS 210  
Web Programming I  
ITS 321  
Architecture of Hardware and Software  
CMSC 330  
Logic Design  
CMSC 335  
Advanced Data Structures

The certificate will be awarded after the successful completion of the eight courses if a student has maintained an overall average of C or better, including a C or better in both CMSC 121 and CMSC 478. Up to two courses may be transferred from an accredited higher education institution.

B.S./M.S. PROGRAM IN COMPUTER SCIENCE/SOFTWARE DEVELOPMENT

ONKAR P. SHARMA, Ph.D., Director

In addition to its undergraduate major in Computer Science, the Department of Computer Science, Information Systems and Information Technology also offers a Master of Computer Science/Software Development degree. The Department recognizes that for some outstanding undergraduate students, certain of their undergraduate work might well be reflective of both the content and quality of that typically expected at the graduate level. The Department thus recognizes that these students could participate successfully in graduate classes. For these reasons the Department offers a five-year program in Computer Science at the end of which the student will earn both B.S. and M.S. degrees.

This program offers an accelerated way of obtaining a Master's Degree. Instead of remaining three additional semesters as full-time students to gain the MS at 151 credits (120 + 31), those CS undergraduate students who are admitted to this program will be required to take only 143 credits, or 23 additional credits that can be completed in two semesters, normally the fall and spring following their undergraduate studies.

The five-year program is not appropriate for all students. Qualification occurs in the sixth semester. A cumulative GPA of 3.0, as well as a GPA of 3.0 in the major, is required for acceptance into and continuation in the program. Students interested in entering the five-year program should speak to any CS faculty member early in their studies at Marist, but no later than the beginning of their sixth semester. A faculty recommendation is required for admittance into the program.

REQUIREMENTS FOR FIVE-YEAR B.S./M.S. PROGRAM IN COMPUTER SCIENCE

1.0 Undergraduate Course Requirements in Computer Science

- CMSC 110 Computing Studies Seminar  
- CMSC 120 Computer Science I  
- CMSC 121 Computer Science II  
- CMSC 230 Assembly Language Programming  
- CMSC 233 Language Study  
- CMSC 310 Object-Oriented Design & Programming Using C++  
- CMSC 330 Logic Design  
- CMSC 331 Theory of Programming Language  
- CMSC 335 Advanced Data Structures  
- CMSC 415 Computer Organization and Architecture  
- CMSC 435 Algorithm Analysis and Design  
- CMSC 478 Capping Course  

One upper-level CS Course  
(Any 300- or 400-level course except internship, those listed above, as well as CMSC 406, 422, and 440)

Undergraduate Credit Requirement in CMSC  
38 cr

2.0 Course Requirements in Related Fields

Mathematics
- MATH 130 Intro Statistics I  
- MATH 241 Calculus I  
- MATH 242 Calculus II  
- MATH 250 Discrete Mathematics I  

Laboratory Science

B.S./M.S. Progrm in Computer Science  91
An 8-credit laboratory-science sequence must be chosen from the following:

- PHYS 211 General Physics I (Recommended)
- PHYS 212 General Physics II (Recommended)
- PHYS 213 General Physics I Lab (Recommended)
- PHYS 214 General Physics II Lab (Recommended)
- BIOL 130 General Biology I & Lab
- BIOL 131 General Biology II & Lab
- CHEM 131 General Chemistry I & Lab
- CHEM 132 General Chemistry II & Lab

Information Systems
- ITS 130 Information Technology and Systems Concepts 3 cr

**Undergraduate Credit Requirement in Related Fields**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25 cr</td>
</tr>
</tbody>
</table>

**Total Credit Requirement for a Major in Computer Science**

- **63 cr**

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy/Ethics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Writing</td>
<td>3-6 cr</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>9-12 cr</td>
</tr>
</tbody>
</table>

3.2 DISTRIBUTION

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>0 cr</td>
</tr>
<tr>
<td>Social Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>History</td>
<td>6 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>6 cr</td>
</tr>
<tr>
<td>Mathematics</td>
<td>0 cr</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3 cr</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>24 cr</td>
</tr>
</tbody>
</table>

**Total Core/Liberal Studies Requirement**

- **33-36 cr**

4.0 General Undergraduate Electives

- **10-13 cr**

5.0 Graduate Courses taken at Undergraduate Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCS 515 Operating Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>MSCS 531 Automata, Computability, and Formal Languages</td>
<td>3 cr</td>
</tr>
<tr>
<td><strong>Any 500-level MSCS course except:</strong></td>
<td>3 cr</td>
</tr>
<tr>
<td>MSCS 510 Software Design and Development</td>
<td></td>
</tr>
<tr>
<td>MSCS 521 Computer Architecture</td>
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<tr>
<td><strong>Total</strong></td>
<td>9 cr</td>
</tr>
</tbody>
</table>

**Total Four-Year Credit Requirement**

- **118 cr**

6.0 Fifth-Year Graduate Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core courses:</td>
<td>16 cr</td>
</tr>
<tr>
<td>MSCS 530 Algorithms</td>
<td></td>
</tr>
<tr>
<td>MSCS 560 Computer Network I</td>
<td></td>
</tr>
<tr>
<td>MSCS 561 Computer Network Lab</td>
<td></td>
</tr>
<tr>
<td>MSCS 620 Distributed Systems</td>
<td></td>
</tr>
<tr>
<td>MSCS 610 Advanced Theory of Programming Languages</td>
<td></td>
</tr>
<tr>
<td>MSCS 710 Project</td>
<td></td>
</tr>
<tr>
<td><strong>Any three graduate courses except:</strong></td>
<td>9 cr</td>
</tr>
<tr>
<td>MSCS 510 Software Design and Development</td>
<td></td>
</tr>
<tr>
<td>MSCS 521 Computer Architecture</td>
<td></td>
</tr>
<tr>
<td><strong>Total Graduate Credits, Fifth Year</strong></td>
<td>25 cr</td>
</tr>
</tbody>
</table>

**Total Credit Requirement for Completing Five-Year B.S./M.S. Program**

- **143 cr**
### RECOMMENDED PROGRAM SEQUENCE FOR A B.S./M.S.
**IN COMPUTER SCIENCE/SOFTWARE DEVELOPMENT**

#### FRESHMAN YEAR
**FALL**
- CMSC 120 Computer Science I  
  4 cr  
- CSIS 110 Comput Stud Sem  
  1 cr  
- MATH 130 Intro Statistics I  
  3 cr  
- PHIL 101 Intro to Philosophy  
  3 cr  
- Core/LS Writing  
  3 cr  
- Elective  
  1 cr

**SPRING**
- CMSC 121 Computer Science II  
  3 cr
- ITS 130 Info. Tech. and Systems Concepts  
  3 cr
- MATH 250 Discrete Math I  
  3 cr
- Core/LS History  
  3 cr
- Core/LS Writing or Elective  
  3 cr

**Total:** 15 cr

#### SOPHOMORE YEAR
**FALL**
- CMSC 310 Object-Oriented Prog C++  
  3 cr  
- MATH 241 Calculus I  
  4 cr  
- Core/LS Lab Science Sequence  
  4 cr  
- Core/LS  
  3 cr

**SPRING**
- CMSC 230 Assem Lang Prog  
  3 cr
- MATH 242 Calculus II  
  4 cr
- Core/LS Lab Science Sequence  
  4 cr
- Core/LS  
  3 cr
- Core/LS  
  3 cr

**Total:** 17 cr

#### JUNIOR YEAR
**FALL**
- CMSC 330 Logic Design  
  3 cr  
- CMSC 335 Adv Data Structure  
  3 cr  
- CMSC 233 Lang Study  
  3 cr  
- Core/LS  
  3 cr  
- Elective  
  3 cr

**SPRING**
- CMSC 478 SD and D (capping)  
  3 cr
- CMSC 415 Comp Org and Arch  
  3 cr
- Core/LS  
  3 cr
- CMSC 331 Theory Prog Languages  
  3 cr
- PHIL 300 Ethics  
  3 cr

**Total:** 15 cr

#### SENIOR YEAR
**FALL**
- MSCS 515 Op Systems  
  3 cr  
- CMSC 435 Alg Anal and Des  
  3 cr  
- MSCS 531 Auto/Comp/Form Lang  
  3 cr  
- Core/LS  
  3 cr  
- Elective  
  3 cr

**SPRING**
- Upper Level Comp Sci Elect (400 level)  
  3 cr
- MSCS Grad Elective  
  3 cr
- Elective  
  3 cr
- Core/LS or Elective  
  3 cr

**Total:** 12 cr

#### FIFTH YEAR
**FALL**
- MSCS 560 Computer Networks I  
  3 cr  
- MSCS 561 Computer Networks Lab  
  1 cr  
- MSCS 620 Distributed Systems  
  3 cr  
- MSCS 710 Project  
  3 cr  
- MSCS Grad Elective  
  3 cr

**SPRING**
- MSCS 530 Algorithms  
  3 cr
- MSCS 610 Adv Theory Programming Languages  
  3 cr
- MSCS Grad Elective  
  3 cr
- MSCS Grad Elective  
  3 cr

**Total:** 12 cr

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### CRIMINAL JUSTICE

**JOHN F. DOHERTY, Ph.D., Department Chair**

**MISSION:**
The major in Criminal Justice combines a broad Core/Liberal Arts curriculum with the theory, practice, and experience specific to criminal justice. All courses focus on the study of crime from a variety of perspectives: cause of crime, societal reaction, judicial processing and treatment of offenders, as well as the philosophy and practice of social control and administration of criminal behavior. Emphasis is also placed on critical thinking and problem solving.

The curriculum culminates with two senior seminar courses, which bring together all facets of the Marist College undergraduate experience and the lessons learned in the major. A mandatory six-credit internship enables the Criminal Justice major to experience practical criminal justice from a variety of criminal justice and allied agencies. Internship placements include the range of federal, state, and local agencies.

Experiencing criminal justice in both the classroom and professional world enables students to make informed career choices. Major curriculum completion, coupled with all Core/Liberal Arts requirements, leads to the Bachelor of Science degree in Criminal Justice. A minor in Criminal Justice is also available.

It is possible for students who plan carefully early in their college careers to double major in Criminal Justice and Psychology. To pursue this option, students should contact the Chair of Criminal Justice or Psychology.

Criminal Justice majors may begin a Master’s in Public Administration with a concentration in Criminal Justice as an undergraduate and complete graduate studies within one year after completing their undergraduate degree.
REQUIREMENTS FOR A BACHELOR OF SCIENCE IN CRIMINAL JUSTICE

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements in Criminal Justice

CRJU 101 Introduction to Criminal Justice
CRJU 105 Criminal Justice Information Literacy
CRJU 202 Criminology
CRJU 221/POSC 221 Law and Society*
CRJU 230 Policing in America
CRJU 235 Corrections
CRJU 250 Introduction to U.S. Courts
CRJU 301 Criminal Justice Organization and Administration
CRJU 303 Criminal Procedure I: New York State Penal Law
CRJU 304 Criminal Procedure II: Constitutional Law
CRJU 305 Juvenile Justice System
CRJU 370 Theories of Punishment
CRJU 374 Criminal Justice Research Methods
CRJU 440 Senior Seminar I: Cross Cultural Criminal Justice Systems
CRJU 477 Senior Seminar II: Capping Course
CRJU 496 Criminal Justice Internship I
CRJU 497 Criminal Justice Internship II

49 cr

1.1 Two additional Criminal Justice courses from:

CRJU 206 Criminal and Scientific Investigation
CRJU 223 Juvenile Delinquency
CRJU 242 Drug and Alcohol Use and Abuse
CRJU 314 U.S. Urban Cultures
CRJU 340 The Federal Criminal Justice System
CRJU 348/PSYC 348 Psychological Perspectives on Criminal Behavior
CRJU 350 Organized Crime
CRJU 375 Program Planning and Evaluation
CRJU 377 Politics of Crime and Terrorism

6 cr

Credit Requirement in Criminal Justice 55 cr

2.0 Course Requirements in Related Fields

MATH 130 Introductory Statistics I** 3 cr
POSC 110 American National Government* 3 cr

6 cr

Credit Requirement in Related Fields 6 cr

* Fulfills Social Science Core/LS requirement
** Fulfills one Core/LS Math requirement

Total Credit Requirement for a Major in Criminal Justice 61 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

Philosophy/Ethics 6 cr
Writing 3-6 cr

9-12 cr

3.2 DISTRIBUTION*

Fine Arts 3 cr
History 6 cr
Literature 6 cr
Mathematics 3 cr
Natural Science 6 cr
Philosophy/Religious Studies 3 cr
Social Science 0 cr (fulfilled by related field requirement)

27 cr

Total Core/Liberal Studies Requirement 36-39 cr

4.0 Electives 23-26 cr

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in the catalog.
RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN CRIMINAL JUSTICE

**FRESHMAN YEAR**

| FALL |  | SPRING |
|------|  |--------|
| CRJU 101 Intro to Crim Just | 3 cr | CRJU 202 Criminology | 3 cr |
| Core/LS PHIL 101 | 3 cr | Core/LS Writing | 3 cr |
| Core/LS Writing | 3 cr | Core/LS Literature | 3 cr |
| Core/LS History | 3 cr | Core/LS Science | 3 cr |
| CRJU 105 CJ Info Literacy | 1 cr | POSC 110 American National Government | 3 cr |
| Core/LS Fine Arts | 3 cr | | |
| | 16 cr | | |

| SOPHOMORE YEAR |  | SPRING |
|----------------|  |--------|
| FALL |  | SPRING |
| CRJU 305 Juvenile Justice System | 3 cr | CRJU 250 Introduction to U.S. Courts | 3 cr |
| CRJU 221 Law and Society | 3 cr | CRJU 301 Crim Just Org and Admin | 3 cr |
| Core/LS Math | 3 cr | MATH 130 Intro to Statistics | 3 cr |
| Core/LS Literature | 3 cr | Core/LS History | 3 cr |
| CRJU Elective | 3 cr | General Elective | 3 cr |
| | 15 cr | |  |

| JUNIOR YEAR |  | SPRING |
|--------------|  |--------|
| FALL |  | SPRING |
| CRJU 303 Criminal Procedure I | 3 cr | CRJU 304 Criminal Procedure II | 3 cr |
| CRJU 374 Research Methods | 3 cr | CRJU 370 Theories of Punishment | 3 cr |
| CRJU 235 Corrections | 3 cr | Core/LS PHIL 300 | 3 cr |
| CRJU Elective | 3 cr | CRJU 230 Policing in America | 3 cr |
| Core/LS Science | 3 cr | General Elective | 3 cr |
| | 15 cr | |  |

| SENIOR YEAR |  | SPRING |
|-------------|  |--------|
| FALL |  | SPRING |
| CRJU 440 Senior Seminar I | 3 cr | CRJU 477 Senior Seminar II | 3 cr |
| CRJU 496 Internship | 3 cr | CRJU 497 Internship | 3 cr |
| Core/LS Philosophy/Religious Study | 3 cr | General Elective | 3 cr |
| General Elective | 3 cr | General Elective | 3 cr |
| General Elective | 3 cr | General Elective | 3 cr |
| | 15 cr | |  |

**REQUIREMENTS FOR A MINOR IN CRIMINAL JUSTICE**

1.0 CRJU 101 Introduction to Criminal Justice
CRJU 202 Criminology
CRJU 304 Criminal Procedure II: Constitutional Law
CRJU 370 Theories of Punishment

And one of the following:
CRJU 305 Juvenile Justice System
CRJU 230 Policing in America
CRJU 235 Corrections
CRJU 250 Introduction to U.S. Courts

**Total Credit Requirement for a Minor in Criminal Justice**

15 cr

**ECONOMICS**

DELLA LEE SUE, Ph.D., Chairperson

**ECONOMICS PROGRAM MISSION AND OBJECTIVES:**

The mission of the economics program is to complement students’ liberal arts education with a thorough understanding of economics and its use in applied fields such as monetary, international, and environmental economics within a supportive, interactive, and personalized learning environment. This program prepares students for entry-level positions in business, nonprofit organizations, and government and for graduate study in economics, business, and law.

The objectives of the program of study in economics for the student are:

1. To understand the market economy and its behavior, growth, and stability in a broad conceptual framework for the identification of economic issues and the analysis of economic conditions as related to business and society to guide policy;
2. To develop analytical skills and comprehend quantitative techniques in order to apply them to the analysis of economic activities and their fluctuations to infer and foresee economic relationships and trends;
3. To develop a critical understanding of diverse perspectives in the rapidly changing global economy;
4. To develop an understanding of the ethical issues that arise in the formation of economic policy;
5. To develop communication skills through both written and oral presentation.

Economics 95
The Economics Major (30 credits)
The major in Economics provides both a theoretical foundation and an exposure to the application of economic theory.

Theoretical Foundation (12 credits)
- ECON 103 Principles of Microeconomics 3 cr
- ECON 104 Principles of Macroeconomics 3 cr
- ECON 303 Intermediate Microeconomic Theory 3 cr
- ECON 304 Intermediate Macroeconomic Theory 3 cr

Application of Theory (15 credits)
The student selects five courses from the various applied courses in economics. These courses are in areas such as Environmental Economics, Labor Economics, Financial Markets and Institutions, Economic Development, Quantitative Methods in Economics and Business, Public Finance, and International Economics.

The Integrative Capping Course (3 credits)
This course requires significant research, scholarly writing, and oral presentation of a major topic in economics that integrates the students’ study of economics with their study of the broader liberal arts.

- ECON 477 Contemporary Economic Issues 3 cr

The Technical and Analytical Foundation (12-13 credits)
The following courses provide the economics major with the tools needed for economic analysis:
- MATH 130 Introductory Statistics I 3 cr
- MATH 115 Calculus with Management Applications OR
  - MATH 241 Calculus I 3-4 cr
- CSIS 103 Information & Computer Literacy 3 cr

SUMMARY OF REQUIREMENTS FOR A BACHELOR OF ARTS IN ECONOMICS
Note: A minimum of 90 credits in Liberal Arts is required.

1.0 Course Requirements in Economics
- Theoretical Foundation 12 cr
- Application of Theory 15 cr
- Integrative Capping Course 3 cr

Credit Requirement in Economics 30 cr

2.0 Course Requirements in Related Fields
- CSIS 103 Information & Computer Literacy 3 cr
- MATH 130 Introductory Statistics I 3 cr
- MATH 115 Calculus with Management Applications OR
  - MATH 241 Calculus I 3-4 cr

Credit Requirement in Related Fields 9-10 cr

Total Credit Requirement for a Major in Economics 39-40 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
- Philosophy/Ethics 6 cr
- Writing 3-6 cr

3.2 DISTRIBUTION*
- Fine Arts 3 cr
- History 6 cr
- Literature 6 cr
- Mathematics 0 cr (fulfilled by major field req.)
- Natural Science 6 cr
- Philosophy/Religious Studies 3 cr
- Social Science 0 cr (fulfilled by major field req.)

Total Core/Liberal Studies Requirement 24 cr

33-36 cr

4.0 Electives 44-48 cr

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.
REQUIREMENTS FOR A MINOR IN ECONOMICS

Introductory-Level Courses
- ECON 103 Principles of Microeconomics 3 cr
- ECON 104 Principles of Macroeconomics 3 cr
- MATH 130 Introductory Statistics I 3 cr
- MATH 115 Calculus with Management Applications OR
  MATH 241 Calculus I 3-4 cr

Upper-Level Courses
- ECON 303 Intermediate Microeconomic Theory 3 cr
- ECON 304 Intermediate Macroeconomic Theory 3 cr

Two courses from the following: 6 cr
- ECON 305 Environmental Economics
- ECON 310 Labor Economics
- ECON 315 Money and Banking
- ECON 320 Quantitative Methods in Economics and Business
- ECON 321 Public Finance
- ECON 340 Economic Development: Towards Global Equality
- ECON 422 Financial Markets and Industries
- ECON 442 International Economics
- ECON 443 History of Economic Thought

Total Credit Requirement for a Minor in Economics 24-25 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ECONOMICS

FRESHMAN YEAR

FALL
- Core/LS PHIL 101 3 cr
- CSIS 103 Information & Computer Literacy 3 cr
- Core/LS Writing 3 cr
- MATH 120 Precalculus OR Elective 3 cr
- ECON 103 Principles of Microeconomics 3 cr
15 cr

SPRING
- Core/LS 3 cr
- Core/LS 3 cr
- Core/LS 3 cr
- Core/LS 3 cr
- Elective 3 cr
15 cr

SOPHOMORE YEAR

FALL
- MATH 130 Introductory Statistics 3 cr
- ECON 303 Intermediate Microeconomics 3 cr
- Core/LS 3 cr
- Core/LS 3 cr
- Elective 3 cr
15 cr

SPRING
- ECON 304 Intermediate Macroeconomics 3 cr
- Core/LS 3 cr
- Elective 3 cr
- Elective 3 cr
- Elective 3 cr
15 cr

JUNIOR YEAR

FALL
- Economics Elective 3 cr
- Core/LS 3 cr
- Elective 3 cr
- Elective 3 cr
- Elective 3 cr
15 cr

SPRING
- Economics Elective 3 cr
- Economics Elective 3 cr
- Economics Elective 3 cr
- Elective 3 cr
- Elective 3 cr
15 cr

SENIOR YEAR

FALL
- Economics Elective 3 cr
- Economics Elective 3 cr
- Core/LS PHIL 300 3 cr
- Elective 3 cr
- Elective 3 cr
15 cr

SPRING
- ECON 477 Contemporary Issues 3 cr
- Core/LS 3 cr
- Elective 3 cr
- Elective 3 cr
15 cr
EDUCATION

JAMES F. DODD, M.A., Coordinator of Childhood/Students with Disabilities Education
EDWARD J. SAGARESE, M.A., Coordinator of Adolescence Education

MISSION:
The teacher education programs are designed to develop students who are reflective professionals. The programs of study integrate a strong liberal arts foundation with research-validated pedagogical knowledge. As members of a community of learners, students are expected to master the personal and professional knowledge, skills, and dispositions needed to teach and assess students within the full range of individual abilities, to evaluate and improve teaching, to develop creative standards-based curricula, and to contribute as effective teachers and leaders in their schools and communities. The roles of research and technology and the importance of critical thinking, creative problem solving, and multicultural and global perspectives are emphasized.

GENERAL DESCRIPTION AND REQUIREMENTS
Marist College offers New York State approved and registered undergraduate programs leading to initial certification in the following fields and continues to update programs to maintain compliance with New York State teacher education requirements. The Marist College teacher education programs are accredited by the New York State Regents Accreditation of Teacher Education (RATE).

Childhood Education/Students with Disabilities 1-6 (dual certification only). The program of study leading to dual certification in Childhood Education/Students with Disabilities (1-6) prepares graduates to teach in the general childhood education classrooms and in a variety of settings serving students with special educational needs. All dual certification students major in psychology. The psychology major provides a comprehensive understanding of human behavior and specifically emphasizes the physical, cognitive, social, and emotional development of children for successful learning in grades one through six.

The program of study in Adolescence Education (7-12) integrates teacher preparation with an academic major in the secondary school subject area. Contact the Associate Dean of Teacher Education or the Coordinator of Adolescence Education for information.

Certain students may also choose to seek acceptance into the Accelerated Program, resulting in dual certification and the MA in Educational Psychology. Contact the Associate Dean of Teacher Education for information.

To meet the remaining requirements for initial certification in New York State, all teaching candidates must pass New York State qualifying examinations and also meet a foreign-language requirement.

DUAL CERTIFICATION: CHILDHOOD EDUCATION/STUDENTS WITH DISABILITIES (1–6)

ADMISSION TO THE PROGRAM
Students interested in this program register with the Department of Education in the first semester of freshman year to ensure timely completion of requirements necessary for admission to upper-level courses. Formal application for admission into the program is made during spring of sophomore year. Minimum requirements for admission are:
1) A grade-point average of 2.7 or higher
2) Grades of C+ or higher in all required courses in the certification sequence
3) Two letters of recommendation

PROGRAM REQUIREMENTS
The following sections list the courses needed to satisfy: 1) the psychology major; 2) the course requirements in the certification sequence for the psychology major in childhood education/students with disabilities (1-6); and 3) Core/Liberal Studies requirements. Upon completion of these courses and the certification requirements described previously, the candidate earns a BA degree in Psychology and dual certification.

Candidates who fail to maintain a 2.7 or higher GPA, or do not demonstrate the disposition necessary to assume the responsibilities of a classroom teacher, are subject to dismissal from the program after review by the Department of Education.

Candidates who satisfactorily complete the bachelor’s degree in the major and all education program requirements, including the achievement of qualifying scores on the LAST, ATS-W, and the CST tests, will be recommended for New York State Initial Certification in Childhood Education/Students with Disabilities (1-6).

REQUIREMENTS FOR A BACHELOR OF ARTS IN PSYCHOLOGY AND DUAL CERTIFICATION

1.0 Course Requirements in Psychology*
   - PSYC 101 Introduction to Psychology* 3 cr
   - PSYC 207 The Exceptional Child* 3 cr
   - PSYC 208 Educational Psychology* 3 cr
   - PSYC 301 Biopsychology and Lab 4 cr
   - PSYC 317 Child Development* 3 cr
   - PSYC 362 Measurement and Evaluation* 3 cr
   - PSYC 372 Psychoeducational Assessment of Educational Disabilities* 3 cr
   - PSYC 350 Psychological Research Methodology and Lab I 4 cr
   - PSYC 478 Capping Course/Psychological Systems 3 cr
   - PSYC 479 Educational Psychology Senior Seminar 1 cr
* These courses require a grade of C+ or better.

Credit Requirement in Psychology 30 cr

2.0 Required Courses in Certification Sequence:*
   - EDUC 091 Fieldwork in Education (taken with EDUC 101) 0 cr
   - EDUC 101 Foundations of Education 3 cr
   - EDUC 150 Learning Through Technology 3 cr

98 Education
EDUC 241 Math for Elementary Teaching: Content and Methodology for General and Special Education 3 cr
EDUC 242 Science for Elementary Teaching: Content and Methodology for General and Special Education 3 cr
EDUC 350 The Teaching of Language Arts: Processes and Strategies for General and Special Education 3 cr
EDUC 351 Literacy Learning and the Arts in the Social Studies Curriculum 3 cr
EDUC 352 Assessment and Remediation of Reading and Writing 3 cr
EDUC 373 Principles of Teaching Students with Special Needs 3 cr
EDUC 374 Curriculum Strategies for Students with Special Needs 3 cr
EDUC 376 Behavior Management Theories and Strategies for Students with Special Needs 3 cr
EDUC 462 Student Teaching 12 cr
SOC 336 Social Inequality 3 cr

Other Field Requirements
- MATH 130 Introductory Statistics I 3 cr
- HIST 218 History and Culture of the Mid-Hudson Valley (Certification Requirement) 3 cr

* With the exception of EDUC 091 and EDUC 462 (P/F grades), MATH 130 and HIST 218, a grade of C+ or better is required in all courses.
** Six credits at the elementary level or three credits at the intermediate level satisfy the foreign-language requirement for teacher certification and can be fulfilled by AP courses.

Credit Requirement in Certification Sequence 57 cr

Total Credit Requirement for a Major in Psychology with Dual Education Certification 87 cr

3.0 Core/Liberal Studies requirements

*NOTE: to meet state certification requirements, foreign-language courses cannot substitute for science and mathematics core courses. Students with AP courses are encouraged to take additional electives toward a minor or to deepen their knowledge of the content areas they will teach.*

3.1 FOUNDATION
   - Philosophy/Ethics 6 cr
   - Writing 3-6 cr
   - 9-12 cr

3.2 DISTRIBUTION
   - Fine Arts 3 cr
   - Literature 6 cr
   - Natural Science 6 cr
   - Mathematics 3 cr
   - History 3 cr
   - Social Science 0 cr (fulfilled by major field req.)
   - Philosophy/Religious Studies 3 cr
   - 24 cr

Total Core/Liberal Studies Requirement 33-36 cr

Total Credit Requirement for Graduation 120-123 cr

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RECOMMENDED PROGRAM SEQUENCE FOR PSYCHOLOGY MAJORS PURSUING DUAL CERTIFICATION

FRESHMAN YEAR (Same for Fall or Spring Student Teaching)

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<thead>
<tr>
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<tr>
<td>PSYC 101 Intro to Psychology AND</td>
<td>PSYC 101 Intro to Psychology AND</td>
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<tr>
<td>Core/LS OR</td>
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<td>EDUC 101 Foundations of Ed AND</td>
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<td>EDUC 091 Fieldwork in Ed AND</td>
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<td>EDUC 150 Learning through Tech</td>
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<td>Core/LS PHIL 101</td>
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### OPTION I – FALL STUDENT TEACHING

#### SOPHOMORE YEAR

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<tr>
<td>MATH 130 Introductory Statistics I 3 cr</td>
<td>PSYC 301 Biopsychology and Lab 4 cr</td>
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<td>PSYC 207 The Exceptional Child 3 cr</td>
<td>PSYC 208 Educational Psychology 3 cr</td>
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<td>PSYC 317 Child Development 3 cr</td>
<td>SOC 336 Social Inequality 3 cr</td>
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<tr>
<td>Core/LS 3 cr</td>
<td>EDUC 350 The Teaching of Language Arts 3 cr</td>
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<tr>
<td>Core/LS 3 cr</td>
<td>HIST 218 Hist and Cult – Mid-Hudson Valley 3 cr</td>
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#### JUNIOR YEAR

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<tbody>
<tr>
<td>PSYC 362 Measurement and Evaluation 3 cr</td>
<td>PSYC 372 Psychoeducational Assessment of Educational Disabilities 3 cr</td>
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<tr>
<td>PSYC 350 Psychological Research Methodology and Lab I 4 cr</td>
<td>EDUC 241 Math for Elementary Teach: Content/Methodology for General/Special Ed 3 cr</td>
</tr>
<tr>
<td>EDUC 351 Literacy Learning and the Arts in the Social Studies Curriculum 3 cr</td>
<td>EDUC 242 Science for Elem Teach: Content/Methodology for General/Special Ed 3 cr</td>
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<tr>
<td>EDUC 373 Principles of Teaching Students with Special Needs 3 cr</td>
<td>EDUC 352 Assessment and Remediation of Reading and Writing 3 cr</td>
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<tr>
<td>EDUC 374 Curriculum Strategies for Students with Special Needs 3 cr</td>
<td>EDUC 376 Behavior Management Strategies 3 cr</td>
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#### SENIOR YEAR

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<tr>
<td>EDUC 462 Student Teaching 12 cr</td>
<td>PSYC 478 Capping Course/Psychological Syst 3 cr</td>
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<tr>
<td>PSYC 479 Educational Psychology Seminar 1 cr</td>
<td>Core/LS PHIL 300 3 cr</td>
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### OPTION II – SPRING STUDENT TEACHING

#### SOPHOMORE YEAR

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<tr>
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<td>PSYC 207 The Exceptional Child 3 cr</td>
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<td>PSYC 208 Educational Psychology 3 cr</td>
<td>PSYC 317 Child Development 3 cr</td>
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<tr>
<td>PSYC 301 Biopsychology and Lab 4 cr</td>
<td>PSYC 350 Psychological Research Methodology and Lab I 4 cr</td>
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<td>HIST 218 History and Culture of the Mid-Hudson Valley 3 cr</td>
<td>Core/LS 3 cr</td>
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#### JUNIOR YEAR

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<tr>
<td>PSYC 372 Psychoeducational Assessment of Educational Disabilities 3 cr</td>
<td>PSYC 362 Measurement and Evaluation 3 cr</td>
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<td>EDUC 241 Math for Elem Teach: Content/Methodology for General/Special Ed 3 cr</td>
<td>EDUC 351 Literacy Learning and the Arts in the Social Studies Curriculum 3 cr</td>
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<tr>
<td>EDUC 242 Science for Elem Teach: Content/Methodology for General/Special Ed 3 cr</td>
<td>EDUC 373 Principles of Teaching Students with Special Needs 3 cr</td>
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<tr>
<td>EDUC 350 The Teaching of Language Arts 3 cr</td>
<td>EDUC 374 Curriculum Strategies for Students with Special Needs 3 cr</td>
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<td>Core/LS PHIL 300 3 cr</td>
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#### SENIOR YEAR

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<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>PSYC 478 Capping Course/Psychological Systems 3 cr</td>
<td>EDUC 462 Student Teaching 12 cr</td>
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<tr>
<td>EDUC 352 Assessment and Remediation of Reading and Writing 3 cr</td>
<td>PSYC 479 Educational Psychology Seminar 1 cr</td>
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<td>EDUC 376 Behavior Management 3 cr</td>
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<td>SOC 336 Social Inequality 3 cr</td>
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<td>Core/LS 3 cr</td>
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100 Education
ADOLESCENCE EDUCATION – INITIAL CERTIFICATION 7-12

Marist College offers teaching certification at the Secondary level for the following majors:

- English
- French
- Social Studies
- Spanish
- Mathematics
- Biology
- Chemistry

ADMISSION TO THE PROGRAM

Students who declare their intention to seek teaching certification in their academic major are assigned an education advisor as well as a major-field faculty advisor. During freshman and sophomore years, students meet with both advisors to design their program of study and to ensure that they will meet the requirements for admission to the secondary program in their junior year. Admission is based on the following minimum guidelines:

- A major-field grade-point average of 3.0 with no grade lower than a C
- A minimum grade-point average of 2.7
- Grades of C+ or higher in all required courses in the certification sequence
- Two letters of recommendation from college faculty*
- Interview by members of the Adolescence Education Council as deemed necessary

* One letter must be from a major-field faculty member. Transfer students must submit one recommendation from a faculty member at the college previously attended.

PROGRAM REQUIREMENTS

Candidates who fail to maintain a 2.7 or higher GPA, or do not demonstrate the disposition necessary to assume the responsibilities of a classroom teacher, are subject to dismissal from the program after review by the Department of Education.

NEW YORK STATE CERTIFICATION

Candidates who satisfactorily complete the bachelor’s degree in the major and all education program requirements, including the achievement of qualifying scores on the LAST, ATS-W, and the CST tests, will be recommended for New York State Initial Certification in their subject area, grades 7 - 12.

Required Courses in the Certification Sequence*

- PSYC 101 Introduction to Psychology 3 cr
- PSYC 207 Exceptional Child 3 cr
- PSYC 318 Psychology of the Adolescent 3 cr
- EDUC 101 Foundations of Education 3 cr
- EDUC 150 Learning Through Technology 3 cr
- EDUC 354 Teaching of the Language Arts 3 cr
- EDUC 355 Teaching Language Arts in the Content Areas 3 cr
- EDUC 410 Participation/Observation in Secondary Schools 1 cr
- EDUC 420 – 428 Methods of Teaching (content) in Secondary Schools** 3 cr
- EDUC 464 Student Teaching in the Secondary Schools 12 cr
- Foreign Language*** 3 cr
- Foreign Language 3 cr

* With the exception of Student Teaching (P/F), a grade of C+ or better is required in all courses in this certification sequence.

** Course prefix is same as content major.

*** Six credits at the elementary level or three credits at the intermediate level satisfy the state foreign-language requirement for teacher certification and may be fulfilled by AP courses.

Credit Requirement in Certification Sequence 39-43 cr

RECOMMENDED PROGRAM SEQUENCE FOR CERTIFICATION REQUIREMENTS

IN ADOLESCENCE EDUCATION (GRADES 7 – 12)

New York State Teaching Certification

Candidates who satisfactorily complete the bachelor’s degree in the major and all education program requirements, including the achievements of qualifying scores on the LAST, ATS-W and the CST tests, will be recommended for the New York State Initial Certification in their subject area, grades 7-12.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
</table>
| PSYC 101 Introduction to Psychology 3 cr | PSYC 101 Introduction to Psychology ^
| (Obtain an appointment with the Coordinator of Adolescence Education) | 3 cr |
| EDUC 101 Foundations of Education* 3 cr | EDUC 101 Foundations of Education* 3 cr |
| EDUC 150 Learning Through Technology* 3 cr | EDUC 150 Learning Through Technology* 3 cr |
| | ^ if not taken in Fall |

^ if not taken in Fall
**SOPHOMORE YEAR**

**FALL**
- EDUC 101 Foundations of Education* 3 cr
- EDUC 150 Learning Through Technology* 3 cr
- PSYC 207 Exceptional Child 3 cr

**SPRING**
- PSYC 207 Exceptional Child ^ 3 cr
- PSYC 318 Adolescent Development 3 cr
- Take NYS L.A.S.T. test (Begin formal application by obtaining packet from Office of Teacher Education in February)
  ^ if not taken in Fall

**JUNIOR YEAR**

**FALL**
- EDUC 354 Teaching Language Arts 3 cr

**SPRING**
- EDUC 353 Teaching Language Arts in the Content Area 3 cr
- EDUC 410 Participation/Observation ** 1 cr
- EDUC 420-428 Content Methods ** 3 cr

**SENIOR YEAR**

**FALL**
- EDUC 410 Participation/Observation** 1 cr
- EDUC 420-428 Content Methods** 3 cr
- EDUC 464 Student Teaching** 12 cr

**SPRING**
- EDUC 464 Student Teaching 12 cr
- Take NYS ATS-W test and CST test

* EDUC 101 and EDUC 150 may be taken spring of freshman year or fall of sophomore year.
** EDUC 410, 420-428 and EDUC 464 will be offered both Fall and Spring Semesters.

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**5 YEAR B.A. PSYCHOLOGY/M.A. EDUCATIONAL PSYCHOLOGY PROGRAM**

The Teacher Education Department and Psychology Department sponsor a 5-year, 36-credit graduate program in M.A. Educational Psychology. Outstanding undergraduate Psychology/Childhood Education/Students with Disabilities (1-6) students may be eligible for an accelerated program that leads to a B.A. in Psychology, initial NYS teaching certification in Childhood Education/Students with Disabilities (1-6), and an M.A. in Educational Psychology.

Admission to the five-year program is granted to qualified applicants in the spring semester of the junior year. Applicants must have a minimum 3.2 G.P.A. and recommendations from faculty. Inquiry about admission should be made to the Director of Graduate Education Programs.

**BILINGUAL EDUCATION**

Bilingual Education is the use of two languages, one of them English, as a means of instruction. Much attention is given to the Spanish-speaking population in urban areas, but other groups are involved as well. Students interested in Bilingual Education should register with the Associate Dean of Teacher Education during their freshman year.

**RECOMMENDED COURSES IN BILINGUAL EDUCATION**

Secondary Education students who wish to include Bilingual Education studies should take EDUC 140 and SPAN 153, both taught in English. The student may also elect to take EDUC 441 with the permission of the Associate Dean of Teacher Education.

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**ENGLISH**

**MARK MORREALE, ABD., Chairperson**

**MISSION:**

The English program offers concentrations in literature, writing, and theatre; the goals and principles underlying these concentrations are the same:

1. To increase the student’s appreciation and understanding of the literary, pragmatic, rhetorical, and dramatic uses of language.
2. To develop the student’s ability to write effectively in a variety of situations.
3. To help the student become more receptive to the many-sided pleasures of reading, writing, and oral presentation.
4. To enable the student to see how literary and nonliterary texts illuminate the complexity of human experience.
5. To heighten the student’s awareness of the moral and ethical implications of literary and nonliterary texts.
6. To foster the student’s intellectual, aesthetic, and professional creativity.

The professional goals of the three concentrations are similar:

1. To prepare students for careers utilizing analytical writing skills and/or performance skills in such fields as business, industry, education, government, theatre, and media.
2. To prepare students for graduate studies in literature and writing and in fields that require analytic, interpretive, and writing skills.
3. In conjunction with the Teacher Education Program, to prepare students for careers in secondary education.

**THEATRE PROGRAM**

The Theatre Program is the production laboratory to the English Department’s Concentration in Theatre and Theatre Minor. Open to students of all majors, the Theatre Program produces two mainstage productions per year, professional workshops and student projects. A host of theatre courses are offered each year as well. The Marist Theatre Program also includes the student-theatre organization, MCCTA. MCCTA produces several productions a year, including a musical, a comedy or drama, an original play festival and an improv troupe.
WRITING PROGRAM
The Writing Program includes not only the variety of courses offered by the English Department’s Concentration in Writing and Creative Writing Minor, but also the diverse array of student events and activities of interest to writers outside the classroom. This includes regular visits to campus by established writers in all genres, student readings, excursions to places of literary interest, and popular campus-wide events like the Red Fox Poetry slam. All Marist students are welcome to participate in Writing Program events, regardless of major. Student organizations like the Literary Arts Society and Sigma Tau Delta (English Honors Society) are active in planning many of these annual events, and always welcome new members.

CONCENTRATION IN LITERATURE
The literature concentration provides students with a sense of the historical development of the Western literary tradition, especially that of English and American Literature. Students also examine how that tradition is continually re-formed and reshaped as writers from previously excluded cultural traditions and once-marginalized groups are added to the canon. Students in the concentration develop the analytical skills and the critical language to describe, analyze, and evaluate literary texts.

Internships within the English department offer students the opportunity to gain experience in research and teaching, while internships in the private and public sectors present students with the opportunity to gain work experience that utilizes the analytical, interpretive, and writing skills that the concentration fosters.

CONCENTRATION IN WRITING
The writing concentration develops the student’s skills in a number of different forms: literary writing, technical and professional communication, print, and writing on-line. Students also have the opportunity to fulfill requirements for the concentration by taking writing courses offered by other divisions of the College (e.g., Writing for Radio and TV and a variety of Journalism courses).

Internships with business, media, and civic organizations offer students in the writing concentration the opportunity to gain work experience that utilizes the writing and analytical skills that the concentration develops.

CONCENTRATION IN THEATRE
The concentration in theatre offers the student the opportunity to study theatre as the written and spoken work combined with movement in the art of performance. The play is studied for its literary qualities and as a blueprint for production. New, exciting approaches to interrogating the text and describing the complexity of its sign-system come from changes in the nature and function of literary criticism. While some courses include scene studies, others may be tied to on-campus productions.

Internships in the broad arena of theatre-related activities are possible and require significant dedication to skill development related to the specific focus of the individual internship.

HONORS IN ENGLISH
Up to 10% of graduating seniors in English will be awarded honors in the major on the basis of demonstrated excellence and achievement. Departmental faculty will select recipients each spring from among seniors meeting the following criteria:

- a minimum of 60 credits earned at Marist College; a minimum of 27 credits earned in English at Marist College;
- a minimum cumulative G.P.A. of 3.25 overall;
- a minimum G.P.A. of 3.5 in English courses;
- distinguished achievement in a senior Capping Course project, which may take as its focus (1) research, (2) analysis, or (3) creative expression.

REQUIREMENTS FOR A BACHELOR OF ARTS IN ENGLISH

Concentration in Literature

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Major Foundation Courses: 12 cr
   - ENG 270 Classics of Western Literature
   - ENG 150 Introduction to Theatre
   - ENG 180 Literary Study
   - ENG 185 Writing as a Discipline

1.2 Upper-Level Distribution (all courses at 300 level or higher) 18 cr
   (Must be chosen in consultation with academic advisor)
   - 2 chronologically contiguous period courses
   - 1 genre course
   - 1 single-author course
   - 1 theory course
   - 1 comparative, or ethnic, or national (non-Anglo-American) course

1.3 Elective Concentration (all courses at 300 level or higher) 12 cr
   (Must be chosen in consultation with academic advisor)
   - 3 courses with an identifiable connection
   - ENG 440 Senior Research Methods

1.4 Capping Course 3 cr
   - ENG 477

Credit Requirement for the Concentration in Literature 45 cr

Notes: (a) A student may substitute a maximum of one 3-credit course in Independent Research for a required upper-level course.
(b) A student may apply a maximum of one literature-in-translation course toward an English major.
2.0 Course Requirements in Related Fields: Foreign Language:
   Two courses at the elementary level or one course at the intermediate level or above 3-6 cr 3-6 cr

Total Credit Requirement for a Major in English 48-51 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
   Philosophy/Ethics 6 cr
   Writing 3-6 cr 9-12 cr

3.2 DISTRIBUTION
   Fine Arts 0 cr (fulfilled by major field req.)
   History 6 cr
   Literature 0 cr (fulfilled by major field req.)
   Mathematics 6 cr
   Natural Science 6 cr
   Philosophy/Religious Studies 3 cr
   Social Science 6 cr 27 cr

Total Core/Liberal Studies Requirement 36-39 cr

4.0 Electives 30-36 cr

Total Credit Requirement for Graduation 120 cr

5.0 Students are encouraged to pursue a minor in a different field to give structure and coherence to their programs.

REQUIREMENTS FOR A BACHELOR OF ARTS IN ENGLISH

Concentration in Writing

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Major Foundation Courses: 12 cr
   ENG 270 Classics of Western Literature
   ENG 150 Introduction to Theatre
   ENG 180 Literary Study
   ENG 185 Writing as a Discipline

1.1 Writing Concentration Foundation Courses: 6 cr
   ENG 218 Grammar, Style, and Editing
   ENG 230 Workshop in Editing and Revision

1.2 Upper-Level Writing Requirement 15 cr
   Theory: One course from the following:
   ENG 301, ENG 302, ENG 308, ENG 351
   Three 300-level writing courses
   ENG 490 or 3-credit Internship in Writing

1.3 Upper-Level Literature Requirement 9 cr
   Three 300-level literature courses

1.4 Capping Course 3 cr
   ENG 477

Credit Requirement for the Concentration in Writing 45 cr

Notes: (a) A student may substitute a maximum of one 3-credit course in Independent Research for a required upper-level course.
(b) A student may apply a maximum of one literature-in-translation course toward an English major.

2.0 Course Requirements in Related Fields: Foreign Language:
   Two courses at the elementary level or one course at the intermediate level or above 3-6 cr 3-6 cr

Total Credit Requirement for a Major in English 48-51 cr
3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

<table>
<thead>
<tr>
<th>Field</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy/Ethics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Writing</td>
<td>3-6 cr</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>9-12 cr</td>
</tr>
</tbody>
</table>

3.2 DISTRIBUTION

<table>
<thead>
<tr>
<th>Field</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine Arts</td>
<td>0 cr</td>
</tr>
<tr>
<td>History</td>
<td>6 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>0 cr</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Natural Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>Social Science</td>
<td>6 cr</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>27 cr</td>
</tr>
</tbody>
</table>

Total Core/Liberal Studies Requirement: 36-39 cr

4.0 Electives: 30-36 cr

Total Credit Requirement for Graduation: 120 cr

5.0 Students are encouraged to pursue a minor in a different field to give structure and coherence to their programs.

REQUIREMENTS FOR A BACHELOR OF ARTS IN ENGLISH

Concentration in Theatre

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Major Foundation Courses: 12 cr

- ENG 270 Classics of Western Literature
- ENG 150 Introduction to Theatre
- ENG 180 Literary Study
- ENG 185 Writing as a Discipline

1.2 Course Requirements in sophomore, junior, and senior year are:

<table>
<thead>
<tr>
<th>Course Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ten courses selected as follows:</td>
<td></td>
</tr>
<tr>
<td>Five Theatre Arts Courses:</td>
<td>15 cr</td>
</tr>
<tr>
<td>ENG 227 Acting I</td>
<td></td>
</tr>
<tr>
<td>ENG 229 Theatre Practicum (one credit, may be taken up to three times for a total of three credits)</td>
<td></td>
</tr>
<tr>
<td>ENG 241 Acting II</td>
<td></td>
</tr>
<tr>
<td>ENG 310 Playwriting Workshop</td>
<td></td>
</tr>
<tr>
<td>ENG 349 Acting III</td>
<td></td>
</tr>
<tr>
<td>ENG 350 Directing</td>
<td></td>
</tr>
<tr>
<td>ENG 451 Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>Appropriate Special-Topics Course</td>
<td></td>
</tr>
</tbody>
</table>

| Five Dramatic Literature Courses:           | 15 cr   |
| ENG 325 Shakespeare                         |         |
| AND                                          |         |

| Four of the following:                      |         |
| ENG 320 English Drama I                     |         |
| ENG 321 English Drama II                    |         |
| ENG 340 American Drama I                    |         |
| ENG 341 American Drama II                   |         |
| ENG 355 History of the Modern Theatre       |         |
| ENG 363 Modern Drama                        |         |
| Appropriate Special-Topics Course           |         |

1.3 Capping Course                           | 3 cr    |

| Course                                      |         |
| ENG 477                                     |         |

Credit Requirement for the Concentration in Theatre: 45 cr
Notes: (a) A student may substitute ENG 497 Internship in English Theatre for one upper-level Theatre Arts or Dramatic Literature course.
(b) A student may substitute a maximum of one 3-credit course in Independent Research for a required upper-level course.
(c) A student may apply a maximum of one appropriate literature-in-translation course toward an upper-level Dramatic Literature requirement.

2.0 Courses Required in Related Fields: Foreign Language:
Two courses at the elementary level or one course at the intermediate level or above 3-6 cr 3-6 cr

Total Credit Requirement for a Major in English 48-51 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
Philosophy/Ethics 6 cr
Writing 3-6 cr 9-12 cr

3.2 DISTRIBUTION
Fine Arts 0 cr (fulfilled by major field req.)
History 6 cr
Literature 0 cr (fulfilled by major field req.)
Mathematics 6 cr
Natural Science 6 cr
Philosophy/Religious Studies 3 cr
Social Science 6 cr 27 cr

Total Core/Liberal Studies Requirement 36-39 cr

4.0 Electives 30-36 cr

Total Credit Requirement for Graduation 120 cr

REQUIREMENTS FOR NEW YORK STATE TEACHER CERTIFICATION IN ADOLESCENCE EDUCATION: ENGLISH (GRADES 7-12)

Marist College offers a state-approved program leading to initial teacher certification in Adolescence Education: English (Grades 7-12). Students seeking this certification are encouraged to consult with their academic advisor and the Coordinator of Adolescence Education in the Teacher Education Department. Because of the significant number of state certification requirements for this program, it is important that students seek such advisement early in their college careers, during the freshman year if possible. Education and related field requirements for Adolescence Education certification can be found on page 101 of this catalog.

REQUIREMENTS FOR A MINOR IN ENGLISH

1.0 Foundation Courses 6 cr
ENG 180 Introduction to Literary Study
ENG 270 Classics of Western Literature

2.0 Any four 300-400 level literature courses 12 cr
(not to include writing workshops or theatre arts courses)

Total Credit Requirement for a Minor In English Literature 18 cr

REQUIREMENTS FOR A MINOR IN THEATRE

1.0 Foundation Course 3 cr
ENG 150 Introduction to Theatre

2.0 Required Course 3 cr
ENG 325 Shakespeare

Any two of the following sequences: 12 cr

3.0 Performance Sequence
Two of the following:
ENG 227 Acting I
ENG 241 Acting II
ENG 349 Acting III
Appropriate Special-Topics course
4.0  Production Sequence
Two of the following:
- ENG 229 Theatre Practicum (one credit, may be taken up to three times for a total of three credits)
- ENG 310 Workshop in Playwriting
- ENG 350 Directing
- ENG 451 Theatre Workshop
- Appropriate Special-Topics course

5.0  Dramatic Literature Sequence
Two of the following:
- ENG 320 English Drama I
- ENG 321 English Drama II
- ENG 340 American Drama I
- ENG 341 American Drama II
- ENG 355 History of Modern Theatre
- ENG 363 Modern Drama
- Appropriate Special-Topics course

Total Credit Requirement for a Minor in Theatre 18 cr

REQUIREMENTS FOR A MINOR IN WRITING
1.0  Foundation Courses 9 cr
   - ENG 185 Writing as a Discipline
   - ENG 218 Grammar, Style, and Editing
   - ENG 230 Workshop in Editing and Revision

2.0  Upper-Level Writing Requirements 9 cr
   Three 300-level writing courses
   (May include Independent Writing Project or Internship)

Total Credit Requirement for a Minor in Writing 18 cr

REQUIREMENTS FOR A MINOR IN CREATIVE WRITING
1.0  Foundation Course 3 cr
   - ENG 280 Introduction to Creative Writing

2.0  Required Course 3 cr
   - ENG 218 Grammar, Style and Editing

3.0  Four (4) of the following courses:
   - ENG 310 Playwriting Workshop
   - ENG 311 Poetry Workshop
   - ENG 380 Nonfiction Workshop
   - ENG 382 Fiction Workshop
   - ENG 392 Special Topics (in Writing)
   - ENG 490 Independent Writing Project 12 cr

4.0  Any one (1) Forms (ENG 318) class in Playwriting, Poetry, Fiction or Nonfiction 1 cr

Total Credit Requirement for a Minor in Creative Writing 19 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ENGLISH
FRESHMAN YEAR
FALL
Core/LS PHIL 101 Intro to Philosophy 3 cr
ENG 116 OR 117 Coll Writing I or II 3 cr
ENG 180 Literary Study 3 cr
Core/LS 3 cr
Core/LS 3 cr
     15 cr

SPRING
ENG 270 Classics of Western Lit 3 cr
ENG 117 Coll Writing II OR Elective 3 cr
ENG 185 Writing as a Discipline 3 cr
Core/LS 3 cr
Core/LS 3 cr
     15 cr
ENVIRONMENTAL SCIENCE & POLICY

THOMAS LYNCH, Ph.D., Chair

MISSION:
The mission of the Department of Environmental Science & Policy is to educate students to become professionals who understand and solve environmental problems and, more broadly, to create a Marist College student body with a high level of environmental consciousness. The demands upon Earth’s natural resources and life-support systems increase each year as human population and consumption levels increase. Our ability to cope with such demands requires that we educate more of the population about environmental resources, problems, and solutions. Consequently, the Department educates majors to become knowledgeable, skilled professionals and educates non-majors to become highly responsible environmental citizens. Majors also are prepared for advanced courses and research in graduate programs.

The Department is an interactive community of faculty and students, committed to better understanding the environment and the problems confronting it, and to finding solutions to correct them. Students are actively engaged by faculty having diverse expertise in natural and social sciences related to study of the environment. We offer a stimulating and relevant curriculum that incorporates classroom, laboratory, field, research, internship, and seminar experiences. Through this curriculum, we educate for fundamental understanding of the structure and function of natural, economic, and political systems as they relate to the environment. Students come to appreciate the details, complexity, and interrelatedness of systems and problems. We also examine the effects of society’s activities upon environmental resources and their relevance to human well-being.

Given the College’s location, the Department seeks to integrate the ecological features and environmental affairs of the Hudson River Valley, as well as its rich history and culture, into its instructional, scholarly, service, and outreach activities. Moreover, the Department is committed to promoting and contributing to environmentally sustainable practices on campus and beyond. The Department is also committed to the continued professional growth of its faculty, through teaching refinement, scholarly activities, and service to various communities.

PROGRAM DESCRIPTION:
The program provides a strong foundation while also having much flexibility. Two concentrations – Science and Policy – allow for different emphasis. Within each concentration students may choose from a wide range of courses to meet their interests, goals, and requirements. Three environmental minors are also available.

Environmental Science & Policy overlaps with several of the natural and social sciences. Environmental considerations are essential in understanding the biology, behavior, and health of humans and other animals. Our curriculum is beneficial for students interested in zoology, botany, social sciences, liberal arts, business, and international affairs. Students with interests in these and other fields can apply their concern and interest for the environment in either the Science or Policy concentrations. Indeed, this program is well suited to dual majors and minors, allowing students to strengthen their undergraduate education and career preparation. Such preparation is also enhanced by our internships and research requirements.

NOTE: Please refer to http://www.marist.edu/science/environmental/ for current information about the program.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE & POLICY, SCIENCE CONCENTRATION

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements in Environmental Science

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENSC 101 Intro to Environmental Issues</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENSC 202 Political Process &amp; the Environment</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENSC 230 Intro to GIS</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENSC 210 Intro to Geology</td>
<td>3 cr</td>
</tr>
<tr>
<td>ENSC 212 Intro to Geology Lab</td>
<td>1 cr</td>
</tr>
<tr>
<td>ENSC 415 Environ Sci &amp; Policy Seminar</td>
<td>1 cr</td>
</tr>
</tbody>
</table>
ENSC 360 Ecology: Principles & Practice 4 cr
ENSC 380 Principles of Environmental Assessment 3 cr
ENSC 440 Research I AND 3 cr
ENSC 441 Research II OR 3 cr
ENSC 398 Internship AND 3 cr
ENSC 399 Internship 3 cr
ENSC 477 Environmental Science and Human Values 3 cr

Credit Requirement in Environmental Science 30 cr

2.0 Course Requirements in Related Fields
BIOL 130 General Biology I 4 cr
BIOL 131 General Biology II 4 cr
BIOL 211 Plant Biology 4 cr
CHEM 131 General Chemistry I 4 cr
CHEM 132 General Chemistry II 4 cr
CHEM 201 Intro to Organic Chemistry† 3 cr
CHEM 202 Intro to Organic Chemistry Lab† 1 cr
MATH 130 Intro to Statistics I 3 cr
MATH 131 Intro to Statistics II OR MATH 115 Calculus with Management Applications†† 3 cr
POSC 110 American National Government 3 cr
CSIS 103 Information & Computer Literacy 3 cr

Twelve additional credits from ENSC, BIOL*, PHYS, or CHEM at 200 level or above; 8 credits must be from ENSC 12 cr

Credit Requirement in Related Fields 48 cr

Total Credit Requirement for a Major in Environmental Science & Policy, Science Concentration 78 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
Philosophy/Ethics 6 cr
Writing 3-6 cr

3.2 DISTRIBUTION**
Fine Arts 3 cr
History 6 cr
Literature 6 cr
Philosophy/Religious Studies 3 cr

18 cr

Total Core/Liberal Studies Requirement 27-30 cr

4.0 Electives 12-15 cr

Total Credit Requirement for Graduation 120 cr

† May replace with CHEM 211-212 Organic Chemistry I-II and CHEM 215-216 Laboratory I-II
†† May replace with MATH 241 Calculus I
* Not all 200-level BIOL courses qualify; consult with advisor.
** Students must take one course that will fulfill the cultural diversity requirement. Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for second courses in history and literature. See Core/Liberal Studies Curriculum description of foreign-language option in catalog. The Distribution requirement in Social Science is fulfilled by POSC 110 and ENSC 202, required for the major.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE & POLICY, POLICY CONCENTRATION

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements in Environmental Science
ENSC 101 Intro to Environmental Issues 3 cr
ENSC 202 Political Process and Environment 3 cr
ENSC 230 Intro to GIS 3 cr
ENSC 415 Env Sci & Policy Seminar 1 cr
ENSC 360 Ecology: Principles & Practice 4 cr
ENSC 305 Environmental Economics 3 cr

Environmental Science & Policy 109
ENSC 380 Principles of Environmental Assessment 3 cr
ENSC 420 Environmental Planning 3 cr
ENSC 425 Environmental Law 3 cr
ENSC 440 Research I AND 3 cr
ENSC 441 Research II OR 3 cr
ENSC 398 Internship AND 3 cr
ENSC 399 Internship 3 cr
ENSC 477 Environmental Science and Human Values 3 cr

Credit Requirement in Environmental Science 35 cr

2.0 Course Requirements in Related Fields
   BIOL 130 General Biology I 4 cr
   BIOL 131 General Biology II 4 cr
   CHEM 101 Intro to Chemistry 3 cr
   CHEM 102 Intro to Chemistry Lab 1 cr
   MATH 130 Intro to Statistics I 3 cr
   MATH 131 Intro to Statistics II OR
   MATH 115 Calculus with Management Applications† 3 cr
   CSIS 103 Information & Computer Literacy 3 cr
   ECON 103 Principles of Microeconomics 3 cr
   POSC 110 American National Government 3 cr
   POSC 240 Intro to Public Policy 3 cr

   Thirteen additional credits from
   ENSC, BIOL**, POSC, or ECON at 200 level or above*; 3 credits must be from ENSC 13 cr

Credit Requirement in Related Fields 43 cr

Total Credit Requirement for a Major in Environmental Science & Policy, Policy Concentration 78 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
   Philosophy/Ethics 6 cr
   Writing 3-6 cr
   9-12 cr

3.2 DISTRIBUTION***
   Fine Arts 3 cr
   History 6 cr
   Literature 6 cr
   Philosophy/Religious Studies 3 cr
   18 cr

Total Core/Liberal Studies Requirement 27-30 cr

4.0 Electives 12-15 cr

Total Credit Requirement for Graduation 120 cr

† May replace with MATH 241 Calculus I
* POSC 101 may be taken, and is required for a minor in Political Science.
** Not all 200-level BIOL courses qualify; consult with advisor.
*** Students must take one course that will fulfill the cultural diversity requirement. Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description in catalog. The Distribution requirement in Social Science is fulfilled by POSC 110 and ENSC 202, required for the major.

THREE MINORS:

1) REQUIREMENTS FOR A MINOR IN ENVIRONMENTAL SCIENCE

   Required Courses:
   BIOL 130 General Biology I 4 cr
   BIOL 131 General Biology II 4 cr
   CHEM 101 Intro to Chemistry AND 3 cr
   CHEM 130 Intro to Chemistry Lab 1 cr
   OR
   CHEM 131 General Chemistry I AND 4 cr
   CHEM 132 General Chemistry II 4 cr
ENSC 101 Intro to Environmental Issues 3 cr
ENSC/BIOL 360 Ecology: Principles & Practice 4 cr

Elective Courses (at least six credits from the courses listed below):
ENSC 210 Intro to Geology 3 cr
ENSC 212 Intro to Geology Lab 1 cr
ENSC 230 Intro to Geographic Info Systems 3 cr
ENSC 309 Environmental Chemistry Lab 1 cr
ENSC 310 Environmental Chemistry 3 cr
ENSC 313 Environmental Microbiology 3 cr
ENSC 321 Natural History of the Hudson Valley 3 cr
ENSC/BIOL 327 Freshwater Ecology 3 cr
ENSC 380 Principles of Environmental Assessment 3 cr
ENSC 404 Environmental Toxicology 4 cr
BIOL 211 Plant Biology 4 cr
BIOL 420 Invertebrate Zoology 4 cr

Total Credit Requirement for a Minor in Environmental Science 25-29 cr

1 Prerequisite courses required beyond those listed under Required Courses

2) REQUIREMENTS FOR A MINOR IN ENVIRONMENTAL POLICY

Required Courses
ENSC 101 Intro to Environmental Issues 3 cr
ENSC/POSC 202 Political Process and Environment 3 cr
ENSC 230 Intro to Geographic Info Systems 3 cr
ENSC/ECON 305 Environmental Economics 3 cr
ENSC/POSC 420 Environmental Planning 3 cr
ENSC 425 Environmental Law 3 cr

Electives 3 cr
Options:
a. Choose three elective credits related to the minor with approval of Chair of Environmental Science & Policy
b. Complete a three-credit internship with approval of Internship Coordinator of Environmental Science & Policy

Total Credit Requirement for a Minor in Environmental Policy 21 cr

1 Prerequisite courses required beyond those listed under Required Courses
2 Counts for Core/LS Natural Science
3 Counts for Core/LS Social Science

3) REQUIREMENTS FOR A MINOR IN ENVIRONMENTAL STUDIES

Course distribution:
ENSC 101 Intro to Environmental Issues 3 cr
Environmental sciences (courses listed below) 6 cr
Social sciences and humanities (courses listed below) 9 cr

Total Credit Requirement for a Minor in Environmental Studies 18 cr

Environmental Sciences
ENSC 210 Intro to Geology 3 cr
ENSC 212 Intro to Geology Lab 1 cr
ENSC 313 Environmental Microbiology 3 cr
ENSC 321 Natural History of Hudson Valley 3 cr
ENSC/BIOL 327 Freshwater Ecology 3 cr
ENSC/CHM 310 Env Chemistry 3 cr
ENSC/BIOL 360 Ecology: Principles and Practice 4 cr
ENSC 404 Environmental Toxicology 4 cr
BIOL 211 Plant Biology 4 cr

Social Sciences and Humanities
ENSC/POSC 202 Political Process in the Environment 3 cr
ENSC/ECON 305 Environmental Economics 3 cr
ENSC/POSC 420 Environmental Planning 3 cr
ENSC 425 Environmental Law  
ENSC 230 Intro to Geographic Info Systems (GIS)  
ECON 150 Economics of Social Issues  
ECON 340 Economic Development: Toward Global Equality  
POSC/GBST 103 Intro to Global Studies

1 Prerequisite courses required beyond ENSC 101

Some Special Topics courses may be substituted with prior approval of the Chair of Environmental Science & Policy. Recent examples of such relevant courses include PHIL 394 Environmental Ethics and ENG 293 Literature and Nature.

### RECOMMENDED PROGRAM SEQUENCE FOR ENVIRONMENTAL SCIENCE & POLICY, SCIENCE CONCENTRATION

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL</th>
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<tbody>
<tr>
<td>BIOL 130 General Biology I</td>
<td>4 cr</td>
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<tr>
<td>ENSC 101 Environmental Issues</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 110 American National Government</td>
<td>3 cr</td>
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<tr>
<td>ENG 116 College Writing I</td>
<td>3 cr</td>
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<tr>
<td>PHIL 101 Intro to Philosophy</td>
<td>3 cr</td>
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#### SOPHOMORE YEAR

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<tbody>
<tr>
<td>CHEM 131 General Chemistry I</td>
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<tr>
<td>ENSC 230 Introduction to GIS</td>
<td>3 cr</td>
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<tr>
<td>BIOL 211 Plant Biology</td>
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<td>MATH 130 Intro to Statistics I</td>
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#### JUNIOR YEAR

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<tr>
<td>CHEM 201 Intro to Organic Chemistry</td>
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<tr>
<td>CHEM 202 Intro to Organic Chemistry Lab</td>
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<tr>
<td>ENSC 360 Ecology: Principles &amp; Practice</td>
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<tr>
<td>PHIL 300 Ethics</td>
<td>3 cr</td>
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<tr>
<td>ENSC 415 Env Sci &amp; Policy Seminar</td>
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<tr>
<td>Core/LS</td>
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#### SENIOR YEAR

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<tr>
<td>ENSC 441 Internship/Research</td>
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<tr>
<td>Major Elective</td>
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<td>Elective</td>
<td>3 cr</td>
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<tr>
<td>Core/LS</td>
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### RECOMMENDED PROGRAM SEQUENCE FOR ENVIRONMENTAL SCIENCE & POLICY, POLICY CONCENTRATION

#### FRESHMAN YEAR

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<tbody>
<tr>
<td>BIOL 130 General Biology I</td>
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<td>ENSC 101 Environmental Issues</td>
<td>3 cr</td>
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<td>POSC 110 American National Government</td>
<td>3 cr</td>
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<tr>
<td>ENG 116 College Writing I</td>
<td>3 cr</td>
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<tr>
<td>PHIL 101 Intro to Philosophy</td>
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#### SOPHOMORE YEAR

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<tbody>
<tr>
<td>CHEM 101 Intro to Chemistry</td>
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<tr>
<td>CHEM 102 Intro to Chemistry Lab</td>
<td>1 cr</td>
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<td>ENSC 230 Introduction to GIS</td>
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<td>MATH 130 Intro to Statistics I</td>
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<tr>
<td>Elective</td>
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</table>
FASHION DESIGN AND FASHION MERCHANDISING

RADLEY CRAMER, B.S., Program Director

MISSION:
The Fashion Program builds on the College’s strong liberal arts tradition with a curriculum designed to keep pace with the changing needs of the fashion industry. Students develop creative, technical, and business skills that position them for successful employment in design, manufacturing, retailing, product development, or sales management. Internships are an integral part of the learning experience in the Fashion Program, as is the increasing use of technology, including computer-aided design.

The Fashion Program features a comprehensive curriculum leading to the Bachelor Degree of Professional Studies (BPS). Students may choose from two majors within the Program—Fashion Design or Fashion Merchandising.

The Fashion Design major trains students to create apparel for various markets considering creative, technical, and costing factors. Students develop skills in design, textiles, draping and flat pattern making, garment construction, and computer-aided design. In their senior year, they design and execute an apparel collection under the guidance of a professional designer to be shown at the school’s annual Silver Needle fashion Show. Fashion Design Majors may pursue a minor in Fashion Merchandising or Product Development.

The Fashion Merchandising major concentrates on the planning, procurement, and marketing aspects of the fashion business. Students learn to research target markets, analyze business results, and develop strategies that effectively meet the needs of consumers. In their senior year, Merchandising students create an in-depth business plan and comprehensive investors’ presentation. The Fashion Merchandising major is structured with a Business minor which may be declared by the Merchandising major. Fashion Merchandising majors may also pursue a Product Development minor.

REQUIREMENTS FOR A BACHELOR OF PROFESSIONAL STUDIES IN FASHION DESIGN

Portfolio Requirement: Students wishing to enter the Fashion Design major must submit a portfolio of original work.

Note: A minimum of 30 credits in Liberal Arts is required.

1.0 Course Requirements in Fashion Design

<table>
<thead>
<tr>
<th>Course Requirement</th>
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</thead>
<tbody>
<tr>
<td>FASH 100 Intro to Fashion Industry</td>
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<tr>
<td>FASH 130 Fashion Figure Drawing</td>
<td>1 cr</td>
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<tr>
<td>FASH 140 Fashion Design I: Drawing &amp; Color</td>
<td>3 cr</td>
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<tr>
<td>FASH 200 Textiles: Studies &amp; Applications</td>
<td>3 cr</td>
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<tr>
<td>FASH 210 Design Studio Techniques</td>
<td>3 cr</td>
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<tr>
<td>FASH 220 Apparel Development II</td>
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<td></td>
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<tr>
<td>FASH 230 Apparel Development I</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td>FASH 240 Fashion Design II: Presentation</td>
<td>3 cr</td>
<td></td>
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<tr>
<td>FASH 245 Fashion CAD I</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td>FASH 300 Product Development</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td>FASH 310 Apparel Development III</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td>FASH 381 History of 20th Century Fashion</td>
<td>3 cr</td>
<td></td>
</tr>
<tr>
<td>FASH 335 Fashion CAD II</td>
<td>3 cr</td>
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<tr>
<td>FASH 345 Fashion Design III: Working Studio</td>
<td>3 cr</td>
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<tr>
<td>FASH 400 Fashion Employment Seminar</td>
<td>1 cr</td>
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<tr>
<td>FASH 412 Portfolio</td>
<td>3 cr</td>
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<tr>
<td>FASH 420 Runway Collection I</td>
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<tr>
<td>FASH 430 Runway Collection II</td>
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Credit Requirement in Fashion Design: 50 cr

2.0 Course Requirements in Related Fields

<table>
<thead>
<tr>
<th>Course Requirement</th>
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<tbody>
<tr>
<td>ART 160 History of Western Art I OR</td>
<td></td>
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<tr>
<td>ART 180 History of Western Art II*</td>
<td></td>
</tr>
<tr>
<td>ART 281 History of Costume</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSIS 103 Information &amp; Computer Literacy</td>
<td>3 cr</td>
</tr>
</tbody>
</table>
Credit Requirement in Related Fields  

* Fashion Design students are strongly encouraged to take additional courses in Art History, particularly ART 366 History of 20th Century Art.

Total Credit Requirement for a Major in Fashion Design  

3.0 Core/Liberal Arts Requirements

3.1 FOUNDATION

- Philosophy/Ethics
- Writing

3.2 DISTRIBUTION*

- Natural Science
- Social Science
- History
- Literature
- Mathematics
- Fine Arts
- Philosophy/Religious Studies

Total Core/Liberal Studies Requirement

4.0 Electives

Total Credit Requirement for Graduation

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

REQUIREMENTS FOR A BACHELOR OF PROFESSIONAL STUDIES IN FASHION MERCHANDISING

1.0 Course Requirements in Fashion Merchandising

- FASH 100 Intro to the Fashion Industry
- FASH 120 Principles of Apparel Design
- FASH 200 Textiles: Studies & Applications
- FASH 255 Fundamentals of Buying
- FASH 265 Principles of Retailing
- FASH 300 Product Development
- FASH 365 Merchandise Planning and Control
- FASH 400 Fashion Employment Seminar
- FASH 455 International Retailing
- FASH 477 Merchandising Capping

Credit Requirement in Fashion Merchandising

2.0 Course Requirements in Related Fields

- BUS 100 Intro to Business and Management
- BUS 302 Organizational Behavior
- BUS 340 Marketing Management
- BUS 382 Legal Foundations of Business
- BUS 300/400 Business Choice
- ACCT 203 Financial Accounting
- ECON 150 Economics of Social Issues
- COM 101 Public Presentations
- COM 110 Principles of Advertising
- ART 281 History of Costume
- CSIS 103 Information & Computer Literacy

Credit Requirement in Related Fields

Total Credit Requirement for a Major in Fashion Merchandising

3.0 Core/Liberal Studies Requirements
### 3.1 FOUNDATION

<table>
<thead>
<tr>
<th>Philosophy/Ethics</th>
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</thead>
<tbody>
<tr>
<td>Writing</td>
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#### 3.2 DISTRIBUTION*

<table>
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<th>Natural Science</th>
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<tbody>
<tr>
<td>Social Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>History</td>
<td>6 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>6 cr</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>0 cr  (fulfilled by related field req.)</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Total Core/Liberal Studies Requirement 39-42 cr

### 4.0 Electives

17-20 cr

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/ Liberal Studies Curriculum description of foreign-language option in catalog.

### RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF PROFESSIONAL STUDIES IN FASHION DESIGN

#### FRESHMAN YEAR

**FALL**
- FASH 100 Intro to Fashion Industry 3 cr
- FASH 245 Fashion CAD I 3 cr
- CSIS 103 Information & Computer Literacy 3 cr
- Core/LS Writing 3 cr
- Core/LS PHIL 101 3 cr
- FASH 130/131/132/133 Fashion Figure Drawing 1 cr

16 cr

**SPRING**
- FASH 200 Textiles: Studies & Applications 3 cr
- FASH 210 Design Studio Techniques 3 cr
- FASH 335 Fashion CAD II 3 cr
- Core/LS Writing 3 cr
- ART 160 or ART 180 3 cr

33 cr

#### SOPHOMORE YEAR

**FALL**
- ART 281 History of Costume 3 cr
- FASH 230 Apparel Development I 3 cr
- FASH 140 Fashion Design I: Drawing & Color 3 cr
- Core/LS 6 cr

15 cr

**SPRING**
- FASH 220 Apparel Development II 3 cr
- FASH 240 Fashion Design II: Presentation 3 cr
- FASH 381 History of 20th Century Fashion 3 cr
- Core/LS 3 cr
- Electives 3 cr

15 cr

#### JUNIOR YEAR

**FALL**
- Semester Abroad OR
- FASH 300 Product Development 3 cr
- Core/LS 12 cr

15 cr

**SPRING**
- FASH 300 Product Development 3 cr
- FASH 310 Apparel Development III 3 cr
- FASH 345 Fashion Design III: Working Studio 3 cr
- Core/LS 3 cr
- Electives 3 cr

15 cr

#### SENIOR YEAR

**FALL**
- FASH 400 Employment Seminar 1 cr
- FASH 412 Portfolio 3 cr
- FASH 420 Runway Collection I 3 cr
- Core/LS 3 cr
- Electives (Internship) 4 cr

14 cr

**SPRING**
- FASH 430 Runway Collection II 3 cr
- Core/LS 9 cr
- Electives 6 cr

15 cr

All Fashion Majors (B.P.S.) have the opportunity for involvement in:

1. The Marist Year Abroad Program, generally in the spring semester of the junior year, and
2. Internships following the freshman or sophomore year with permission of the Program Director and Internship Coordinator.
RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF PROFESSIONAL STUDIES IN FASHION MERCHANDISING

FRESHMAN YEAR

<table>
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<tbody>
<tr>
<td>FASH 100 Intro To Fashion Industry</td>
<td>FASH 120 Principles of Apparel Design</td>
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<tr>
<td>3 cr</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSIS 103 Information &amp; Computer Literacy</td>
<td>BUS 100 Intro to Business &amp; Mgmt</td>
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<td>3 cr</td>
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<tr>
<td>Core/LS College Writing</td>
<td>Core/LS</td>
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<td>3 cr</td>
<td>6 cr</td>
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<tr>
<td>Core/PHIL 101</td>
<td>Electives</td>
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<td>Electives</td>
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SOPHOMORE YEAR

<table>
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<tr>
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<tbody>
<tr>
<td>FASH 265 Principles of Retailing</td>
<td>FASH 200 Textiles: Studies &amp; Applications</td>
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<tr>
<td>3 cr</td>
<td>3 cr</td>
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<tr>
<td>COM 101 Public Presentations</td>
<td>FASH 255 Fundamentals of Buying</td>
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<td>3 cr</td>
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<tr>
<td>ECON 150 Econ of Social Issues</td>
<td>COM 110 Prin of Advertising</td>
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<td>3 cr</td>
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<td>Core/LS</td>
<td>ACCT 203 Financial Accounting</td>
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<td>6 cr</td>
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<td>Elective (Fashion Show Production)</td>
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JUNIOR YEAR

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<tr>
<td>FASH 300 Product Development</td>
<td>FASH 365 Merch Planning &amp; Control</td>
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<td>3 cr</td>
<td>3 cr</td>
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<tr>
<td>BUS 302 Organizational Behavior</td>
<td>BUS 382 Legal Found of Business</td>
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<td>3 cr</td>
<td>3 cr</td>
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<tr>
<td>BUS 340 Marketing Management</td>
<td>ART 281 History of Costume</td>
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SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL</th>
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<tbody>
<tr>
<td>FASH 455 International Retailing</td>
<td>FASH 400 Employment Seminar</td>
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<tr>
<td>3 cr</td>
<td>1 cr</td>
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<tr>
<td>BUS 300/400 Business Choice</td>
<td>FASH 477 Merch Capping</td>
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<td>Core/LS</td>
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<td>Elective (Internship)</td>
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All Fashion Majors (B.P.S.) have the opportunity for involvement in:
1. The Marist Year Abroad Program, generally in the spring semester of the junior year, and
2. Internships following the freshman or sophomore year with permission of the Program Director and the Internship Coordinator.

REQUIREMENTS FOR A MINOR IN FASHION MERCHANDISING

Prerequisite: Permission of the Fashion Program Director

The Merchandising Minor provides a foundation in retailing, buying, or marketing.

Required Courses (3 credits each): 9 cr
- FASH 100 Introduction to the Fashion Industry
- FASH 265 Principles of Retailing
- FASH 365 Merchandise Planning & Control

Select three courses (3 credits each) from the following list: 9 cr
- COM 110 Principles of Advertising
- BUS 340 Marketing Management
- FASH 120 Principles of Apparel Design
- FASH 200 Textiles: Studies & Applications
- FASH 255 Fundamentals of Buying
- FASH 295 Fashion Show Production
- FASH 300 Product Development
- FASH 455 International Retailing

Total Credit Requirement for a Minor in Fashion Merchandising: 18 cr

REQUIREMENTS FOR A MINOR IN PRODUCT DEVELOPMENT

Prerequisite: Permission of the Fashion Program Director

The Product Development Minor is available to Fashion Design or Merchandising Majors and provides a foundation in contemporary concepts of apparel industry product development, production, sourcing, branding, licensing, and product data management.

Required courses: (3 credits each) 9 cr
- FASH 200 Textiles: Studies & Applications
- FASH 289 Production & Sourcing in the Apparel Industry
FASH 300 Product Development

Select three courses (3 credits each) from the following list: 9 cr
FASH 288 Fashion Branding & Licensing
FASH 325 Private Label Development
FASH 415 Advanced Fashion PDM Software
FASH 435 Advanced Product Development
FASH 455 International Retailing

**Total Credit Requirement for a Minor in Product Development** 18 cr

**FRENCH**

**KEVIN M. GAUGLER, Ph.D., Chairperson**

**MISSION:**

In a global and interdependent world, no education can be considered adequate without the skill of a second language and the ability to consider the perspective of other cultures. Used by over 200 million people in more than 50 countries around the world, French is a key language for international communication. It is an official working language at the UN, NATO, UNESCO, the International Olympic Committee, the European Union, the International Red Cross, and numerous NGOs. A double fluency in French and English is a competitive asset in the national and international job market for work in international business, the humanitarian and nonprofit sectors, the diplomatic world, the teaching professions, the fields of art history and fashion design, and to meet the requirements of various programs of graduate study. In addition, the study of French offers a tradition of inquiry into the meaning, structure, and practice of Language; a history of critical thought, literature, and fine arts that has shaped the Western tradition; and a window to the rich diversity of African, North American, and Asian cultures that still choose French as a primary or secondary mode of expression.

The French Program affords the committed student the following special academic options:

1. An interdisciplinary track for double majors designed to customize the language knowledge to the student's second field of study, for maximum professional marketability.
2. The Marist Abroad Program in Paris or in Aix en Provence, featuring a stay with a French family and opportunity for community service involvement. Programs in Africa are also available.
4. The option to substitute several French courses to fulfill distributive Core/LS requirements in Mathematics, Science, History, or Literature, an arrangement which facilitates a double major or minor in French.

**REQUIREMENTS FOR A BACHELOR OF ARTS IN FRENCH**

Note: A minimum of 90 credits in Liberal Arts is required.

1.0 Course Requirements for all French Majors
FREN 201 Workshop in Writing* 3 cr
FREN 202 Workshop in Oral Expression* 3 cr
FREN 250 French Culture and Thought 3 cr
FREN 251 Contemporary France 3 cr
FREN 325 Language and Technology Practicum 3 cr 15 cr

2.0 Approved courses in tracks

**Single Major track**
FREN 311 French Grammar and Composition 3 cr
FREN 305 Studies in French Film and Literature 3 cr
FREN 315 French Literature of Africa and the Caribbean 3 cr
FREN 345 Interdisciplinary Unit 3 cr
FREN 440 French for Current Affairs OR FREN 394 Internship in French** 3 cr
One upper-level course in French Literature 3 cr
FREN 477 Capping 3 cr 21 cr

**Double Major Track**
FREN 305 Studies in French Film and Literature 3 cr
FREN 315 French Literature of Africa and the Caribbean 3 cr
FREN 345 Interdisciplinary Unit 3 cr
FREN 440 French for Current Affairs OR FREN 394 Internship in French** 3 cr
FREN 477 Capping 3 cr 15 cr

3.0 Core/Liberal Studies Requirements
118 Global Studies

3.1 FOUNDATION

Philosophy/Ethics 6 cr
Writing 3-6 cr
9-12 cr

3.2 DISTRIBUTION

Natural Science 3-6 cr
Social Science 6 cr
History 3 cr
Literature 0-3 cr (fulfilled by major field req.)
Mathematics 3-6 cr
Fine Arts 3 cr
Philosophy/Religious Studies 3 cr
21-30 cr

Total Core/Liberal Studies requirement 30-42 cr

4.0 Electives 39-42 cr

Total Credit requirement for Graduation 120 cr

* Exceptionally, freshmen entering with a high language proficiency and the intention to pursue a double or single major in French will be allowed, after passing the department’s placement test, to replace FREN 201 and FREN 202 with upper-level internships and approved courses abroad. This option requires a program of study abroad.

** Replacing FREN 440 with FREN 394 requires prior departmental approval for qualifying students.

REQUIREMENTS FOR A MINOR IN FRENCH LANGUAGE STUDIES

FREN 201 Workshop in Writing 3 cr
FREN 202 Workshop in Oral Expression 3 cr
FREN 250 French Culture and Thought 3 cr
FREN 251 Contemporary France 3 cr
FREN 305 Studies in French Film and Literature OR
FREN 315 French Literature of Africa and the Caribbean 3 cr
FREN 325 Language and Technology Practicum OR
FREN 311 French Grammar & Composition 3 cr

Total Credit requirement for a Minor in French 18 cr

GLOBAL STUDIES MINOR

CLAIRES KEITH, Coordinator

Global Studies is an interdisciplinary program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as in careers in business, communications, education, environmental science, history, and politics, are encouraged to consider the minor as a supplement to their major. Courses in the minor focus on the critical study of cultures and systems outside of the United States, as well as on the political, economic, social, and cultural interrelationships within the contemporary global system.

In addition to the required academic coursework and experience in world languages and cultures, the program actively encourages students to expand their global interests with a regional specialization in their Core and Major courses, and with participation in the Marist International Club, the Marist Foreign Film program, and in community or international organizations. Advanced students have the opportunity to give formal lectures on campus about their global projects or commitments and to link non-classroom international experiences with their chosen field of study. The Global Studies program also works closely with the Department of Modern Languages to offer customized support for language study; with the Study Abroad Program to integrate new destinations; and with the Graduate School and Fellowship Advisor to prepare post-graduation work in international fields.

REQUIREMENTS FOR A MINOR IN GLOBAL STUDIES

Students will be held to the requirements of the catalog of the year in which they declare their major. Following are the requirements for the 2011-2012 catalog.

Coursework:

GBST/POSC/CSCU 103 Introduction to Global Issues 3 cr
Five qualifying electives chosen from at least three different disciplines 15 cr
(e.g., Business, Foreign Language, Political Science)
GBST 301 1 cr

Total Credits 19 cr

Other Requirements:

Foreign Language requirement. Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this by either (i) taking two college-level foreign-language courses at the elementary level, or one intermediate-level course, which would count as electives for the minor, or (ii) getting approval by the Department of Modern Languages to waive the requirement by demonstrating the equivalent of one year of college-level study in a foreign language.
An approved “international experience.” In this component of the minor, students must take part in an experiential project which is international in scope and will normally include foreign travel. The Marist Abroad program experience is strongly recommended, but not required. Other options for the international experience requirement must be approved by the Program Coordinator in consultation with the Global Studies Committee members. These may include independent work abroad with a humanitarian organization; study abroad during a leave of absence; or fluency in a culture other than North-American from extended living abroad. Participation in the experience must be certified by appropriate documentation.

Regular Offerings Acceptable for the Global Studies Minor

**Anthropology**
ANTH 102 Introduction to Cultural Anthropology
ANTH 232 Religion and Culture

**Art**
ART 255 Pre-Columbian Art
ART 256 Chinese Art

**Business**
BUS 202 Global Business and Society
BUS 430 International Trade Management (prerequisite: BUS 100 or 202)
BUS 442 International Marketing (prerequisite: BUS 340)

**Communication**
COM 325 Intercultural Communication
COM 400 Gender, Culture and Communication
COM 488 Comparative Communication Systems
COM 489 Seminar in Cinema Studies (topic must be pre-approved by GBST coordinator)

**Criminal Justice**
CRJU 440 Senior Seminar I: Cross Cultural Criminal Justice (prerequisites: CRJU 202 and 370)
CRJU 377 Politics of Crime and Terrorism (prerequisite: CRJU 101 or POSE 101)

**Economics**
ECON 340 Economic Development: Towards Global Equality (prerequisite: ECON 104, 102 or 150)
ECON 442 International Economics (prerequisites: ECON 104 and 102)

**Environmental Science**
ENSC 101 Introduction to Environmental Issues

**Foreign Language and Culture**
All foreign language, culture, and civilization courses, including foreign literature in translation courses.

**English**
ENG 201 Introduction to Linguistics
ENG 302 Structure of English/World Englishes

**Fashion Merchandising**
FASH 455 International Retailing (prerequisite: FASH 265)

**History**
HIST 252 Modern Europe (prerequisite: HIST 101)
HIST 262 History of Russia: The Russian Revolution (prerequisite: HIST 101)
HIST 263 Eastern Europe and Russia from 1928 to the Present (prerequisite: HIST 101)
HIST 267 Women in Asia (prerequisite: HIST 101)
HIST 269 Modern Asia (prerequisite: HIST 101)
HIST 271 Modern China (prerequisite: HIST 101)
HIST 274 History of Latin America: Since 1830 (prerequisite: HIST 101)
HIST 280 Africa Since 1800 (prerequisite: HIST 101)
HIST 285 The History and Political Culture of Ireland
HIST 320 American Diplomatic History (prerequisite: six credits in History)
HIST 355 Comparative Political Systems: Middle East
HIST 375 History of Race Relations in Latin America

**Honors**
HONR 305 Honors Seminar in Global Engagement

**Music**
Music 226 Music Cultures of the World
Philosophy and Religion
REST 209 World Religions
REST 225 Global Liberation Theology

Political Science
POSC 213 Politics of Human Rights
POSC 243 Contemporary Ideologies
POSC 251 Comparative Politics of Western Europe
POSC 252 Comparative Politics of Russia/Eastern Europe
POSC 255 Political Economy: The Rise of the Asia-Pacific
POSC 260 Comparative Politics of Africa
POSC 271 Nationalism and Communism in China and Taiwan
POSC 273 International Politics
POSC 280 International Communications and Negotiations
POSC 285 The History and Political Culture of Ireland
POSC 350 Comparative Politics of Latin America
POSC 353 Comparative Politics of Developing Areas
POSC 355 Comparative Politics of the Middle East
POSC 372 International Law and Organizations

Psychology
PSYC 389 Culture and Psychology (prerequisite: PSYC 101)

Other courses to be approved in advance by the Global Studies Steering Committee.

HISTORY

SARA DWYER-MCNULTY, Ph.D., Chairperson

MISSION:
The History Department sees its mission as one of enabling students to make sense of the world that they are inheriting. In order to do this, they must be grounded in their own historical experience, which should be placed within an emerging international context. In addition, our students should recognize the ongoing tensions over the nature of identity: ethnic, racial, national, and global. To this end, we hope to develop ways to analyze issues that confront them as citizens of communities, nations, and the world. Our students should expect to confront issues of social responsibility, human rights, and dignity, and their role in supporting and encouraging social justice.

The History Major systematically exposes students to three principal culture areas: the United States, Europe, and the non-Western world. Within that framework, students have ample opportunity to pursue, in consultation with their advisors, specialized interests as career, life, or further educational goals may require. While we do not require study of a modern foreign language, we strongly recommend that path.

A study of history provides students with a wide variety of skills both for living and for work. A comprehension of the past and the dynamics of change illuminate the present and enable students not only to exercise responsible citizenship, but to enjoy autonomy in an increasingly complex world. Additionally, the study and understanding of history, as with other of the liberal arts, instills or enhances a capacity for analysis and synthesis, and these transferable skills have applicability to a wide range of careers. History opens the door to graduate studies or professional schools, for example, law school or secondary education. The history curriculum also makes a particular effort to advance a central mission of Marist College, to enhance our students’ awareness of enduring values-related issues.

The discipline also offers a concentration in public history, a growing profession. This concentration introduces students to the various applications of historical research and interpretation that happen outside the classroom. Museums, libraries, archives, corporations, and cultural institutions employ public historians to manage resources. Students interested in such a concentration should contact Dr. Steven Garabedian.

REQUIREMENTS FOR A BACHELOR OF ARTS IN HISTORY

Note: A minimum of 90 credits in Liberal Arts is required.

1.0 Course Requirements in History
HIST 101 Themes in Modern History 3 cr
HIST 226 American History to 1877 3 cr
HIST 227 American History since 1877 3 cr
HIST 477 Capping Course 3 cr
CSIS 103 Information & Computer Literacy 3 cr

Two courses from: 6 cr
HIST 248 Medieval Europe
HIST 249 Early Modern Europe
HIST 252 Modern Europe

Three courses from: 9 cr
HIST 242 Introduction to African Diaspora Studies
HIST 267 Women In Asia
HIST 268 Traditional Asia
HIST 269 Modern Asia
HIST 270 Traditional China
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 271 Modern China</td>
<td></td>
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<tr>
<td>HIST 273 History of Latin America: To 1830</td>
<td></td>
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<tr>
<td>HIST 274 History of Latin America: Since 1830</td>
<td></td>
</tr>
<tr>
<td>HIST 280 Africa since 1800</td>
<td></td>
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<tr>
<td>HIST 318 Drug Trade in Asia</td>
<td></td>
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<tr>
<td>HIST 355 Comparative of Politics of the Middle East</td>
<td></td>
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<tr>
<td>HIST 375 Race and Ethnicity in Latin America</td>
<td></td>
</tr>
<tr>
<td>(Or another non-U.S., non-European history class to be approved by Chairperson)</td>
<td></td>
</tr>
</tbody>
</table>

One course from: 3 cr

- HIST 413 FDR Research Seminar
- HIST 497 History Internship

History Electives 12 cr

(Nine credits must be taken at the 300 level-seminar courses)

Credit Requirement in History 45 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

<table>
<thead>
<tr>
<th>Philosophy/Ethics</th>
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<td>Writing</td>
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3.2 DISTRIBUTION*

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<td>Literature</td>
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<td>Mathematics</td>
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<tr>
<td>Natural Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>Social Science</td>
<td>6 cr</td>
</tr>
</tbody>
</table>

Total Core/Liberal Studies Requirement 27-30 cr

4.0 Electives 33-36 cr

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

REQUIREMENTS FOR NEW YORK STATE TEACHER CERTIFICATION IN ADOLESCENCE EDUCATION: HISTORY (GRADES 7-12)

Marist College offers a state-approved program leading to initial teacher certification in Adolescence Education: Social Studies (Grades 7-12). Students seeking this certification are encouraged to consult with their academic advisor and the Coordinator of Adolescence Education in the Teacher Education Department. Because of the significant number of state certification requirements for this program, it is important that students seek such advisement early in their college careers, during the freshman year if possible. Education and related field requirements for Adolescence Education certification can be found on page 101 of this catalog.

REQUIREMENTS FOR A BACHELOR OF ARTS IN HISTORY/SECONDARY EDUCATION

Note: A minimum of 90 credits in Liberal Arts is required.

<table>
<thead>
<tr>
<th>Course Requirements in History</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 101 Themes in Modern History</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 226 American History to 1877</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 227 American History since 1877</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 477 Capping Course</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Two courses from: 6 cr

- HIST 248 Medieval Europe
- HIST 249 Early Modern Europe
- HIST 252 Modern Europe
Three courses from:
- HIST 242 Introduction to African Diaspora Studies
- HIST 267 Women In Asia
- HIST 268 Traditional Asia
- HIST 269 Modern Asia
- HIST 270 Traditional China
- HIST 271 Modern China
- HIST 273 History of Latin America: To 1830
- HIST 274 History of Latin America: Since 1830
- HIST 280 Africa since 1800
- HIST 318 Drug Trade in Asia
- HIST 355 Comparative Politics of the Middle East
- HIST 375 Race and Ethnicity In Latin America

History Electives 9 cr
(Six credits must be taken at the 300 level-seminar course)

Credit Requirement in History 36 cr
Credit Requirement in Related Fields 6 cr

ECON 103 Prin Microeconomics, ECON 104 Prin of Macroeconomics
OR ECON 105 Economics of Social Issues
POSC 110 American National Government

(See previous page for Core/Liberal Studies requirements.)

**RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN HISTORY**

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL</th>
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<tbody>
<tr>
<td>Core/LS PHIL 101 OR CSIS courses</td>
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<tr>
<td>Core/LS Writing</td>
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<tr>
<td>HIST 101 Themes in Modern History</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Soc/Behav Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Math or Language</td>
<td>3 cr</td>
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<tr>
<td></td>
<td>15 cr</td>
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</tbody>
</table>

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 248, 249, or 252</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 226 American History to 1877</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>Elective</td>
<td>3 cr</td>
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<tr>
<td></td>
<td>15 cr</td>
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### JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL</th>
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</thead>
<tbody>
<tr>
<td>HIST Latin America/Asia/Africa</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST Elective (300 level)</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Fine Arts</td>
<td>3 cr</td>
</tr>
<tr>
<td>Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 305 Research Methods</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
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</tbody>
</table>

### SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST Latin America/Asia</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST Elective (300 level)</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 477 Capping</td>
<td>3 cr</td>
</tr>
<tr>
<td>Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>

**Career Areas:** History majors who are interested in the career areas below are encouraged to take courses in the subject areas specified. Students should consult with their advisor on specific choices.
**TEACHING–SECONDARY LEVEL**  
Students interested in this career should consult with the education faculty.

**COMMUNICATION**  
- English and Communication: 12 cr  
- Social Science: 6 cr  
- Social Science, Behavioral Science: 6 cr  
- Business, Fine Arts, Computer Science: 6 cr

**FOREIGN SERVICE**  
- Language: 12 cr  
- Political Science: 6 cr  
- Fine Arts: 6 cr  
- Economics: 12 cr

**GOVERNMENT AND COMMUNITY SERVICE**  
- English Expression: 6 cr  
- Business–Economics: 6 cr  
- Behavioral Science: 6 cr  
- Political Science: 6 cr  
- Math–Computer Science: 6 cr

**HISTORICAL PRESERVATION**  
- Art History, Fine Arts: 6 cr  
- Archaeology, Sociology, Anthropology: 9 cr  
- Political Science, Economics: 9 cr  
- Business, Writing: 6 cr

**MANAGEMENT**  
- Business: 12 cr  
- Writing: 6 cr  
- Math–Computer Science: 6 cr  
- Social Science, Behavioral Science: 6 cr  
- Language: 6 cr

**COMMUNICATION**  
- English and Communication: 12 cr  
- Social Science: 6 cr  
- Social Science, Behavioral Science: 6 cr  
- Business, Fine Arts, Computer Science: 6 cr

**FOREIGN SERVICE**  
- Language: 12 cr  
- Political Science: 6 cr  
- Fine Arts: 6 cr  
- Economics: 12 cr

**GOVERNMENT AND COMMUNITY SERVICE**  
- English Expression: 6 cr  
- Business–Economics: 6 cr  
- Behavioral Science: 6 cr  
- Political Science: 6 cr  
- Math–Computer Science: 6 cr

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**REQUIREMENTS FOR A MINOR IN HISTORY**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 101 Themes in Modern History</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 248, HIST 249, or HIST 252</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 226 American History to 1877</td>
<td>3 cr</td>
</tr>
<tr>
<td>HIST 227 American History since 1877</td>
<td>3 cr</td>
</tr>
<tr>
<td>Two of the following:</td>
<td></td>
</tr>
<tr>
<td>HIST 242, HIST 267, HIST 268, HIST 269, HIST 270, HIST 271, HIST 273, HIST 274, HIST 280, HIST 318, HIST 355, HIST 375</td>
<td>6 cr</td>
</tr>
<tr>
<td>Any other HIST course</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Total Credit Requirement for a Minor in History:** 21 cr

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**Hudson River Valley Regional Studies Minor**

**JAMES JOHNSON, Ph.D., Coordinator**

The Hudson River Valley Regional Studies minor develops and fosters an understanding of the history, culture, and environment of this region and the place of regionalism more generally. This interdisciplinary minor assists students in understanding their community, the region, and connections of each to the larger world. It employs the ideas and methods of the liberal arts, natural and social sciences, and the fine arts. While the minor focuses on the Hudson River Valley, the knowledge, skills, and approaches to understanding developed can be applied to all regions. The minor is recommended for any student who plans to have a career that depends on ties to surrounding communities such as education, business, politics, or research in the natural or social sciences. Upon completion of the minor, students will understand how the regions where they have chosen to live and to work connect to the larger global community.

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**REQUIREMENTS FOR A MINOR IN HUDSON RIVER VALLEY REGIONAL STUDIES**

All students must take History and Culture of the Hudson River Valley or Hudson River Valley Studies: History (Honors) and Introduction to Environmental Issues or Science, Technology, and Society: Environmental Science and Politics (Honors). A minimum of 12 credits in the minor must be taken at Marist College. In addition, all students are encouraged to complete an internship with an organization in the Hudson River Valley.

A. **Required Courses**

- HIST 218 History and Culture of the Hudson River Valley OR HONR 330 Hudson River Valley Studies: History 3 cr
- ENSC 101 Introduction to Environmental Issues OR HONR 351 Science Technology, and Society: Environmental Science and Policy 3 cr

B. **Elective Courses**

- Students must take four electives from the following course offerings, and students will be strongly encouraged to distribute their electives across three or more disciplines: 12 cr
INFORMATION SYSTEMS

SEE INFORMATION TECHNOLOGY AND SYSTEMS

INFORMATION TECHNOLOGY AND SYSTEMS

JAN L. HARRINGTON, Ph.D., Chairperson

Information Technology and Systems (ITS) provides a common foundation in computing and networking technologies, databases, information systems and business before branching into two concentrations: Information Technology (IT) and Information Systems (IS). An ITS major with a concentration in IS provides students with a broad background in the rapidly changing discipline of Information Systems that serves as a bridge between Computer Science and Business. The program's courses offer a balance of technical and business skills that are pertinent to the development, implementation, and maintenance of information systems in a variety of organizational settings.

An ITS major with a concentration in IT prepares students in the areas of networking technologies, web technologies, and multimedia. In the area of networking technologies, the hardware and software components of networks and issues related to the design, implementation, administration, and security of networks will be studied. Web technology courses will deal with the latest technologies in web development including client-side and server-side technologies and e-commerce systems. Students will also study multimedia and the design of graphical interfaces.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY AND SYSTEMS WITH A CONCENTRATION IN INFORMATION TECHNOLOGY

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements in Major Field
   
   ITS 110 Computing Studies Seminar 1 cr
   CMSC 120 Computer Science I 4 cr
   CMSC 121 Computer Science II 3 cr
   BUS 100 Intro to Business & Management 3 cr
   ITS 130 Information Technology and Systems Concepts 3 cr
   ITS 210 Web Programming I 3 cr
   ITS 220 Web Programming II 3 cr
   ITS 312 UNIX 3 cr
   ITS 321 Architecture of Hardware and Software 3 cr
   ITS 406 Data Communications 3 cr
   ITS 415 Internetworking I 3 cr
   ITS 408 Data Management 3 cr
   ITS 410 Systems Administration 3 cr
   ITS 420 Internet Security 3 cr
   ITS 430 Systems Analysis & Design 3 cr
   ITS 440 Technology Entrepreneurship 3 cr
   ITS 477 Capping: ITS & Society 3 cr
   Upper level ITS Electives 9 cr

   Credit Requirement in Information Technology & Systems 59 cr

2.0 Course Requirements in Related Fields

   MATH 130 Intro Statistics I 3 cr
   MATH 241 Calculus I 4 cr
   MATH 250 Discrete Mathematics I 3 cr

   Credit Requirement in Related Fields 10 cr
Total Credit Requirement for a Major in Information Technology and Systems 69 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Philosophy/Ethics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Writing</td>
<td>3-6 cr</td>
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</table>

9-12 cr

3.2 DISTRIBUTION*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fine Arts</td>
<td>3 cr</td>
</tr>
<tr>
<td>History</td>
<td>6 cr</td>
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<tr>
<td>Literature</td>
<td>6 cr</td>
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<tr>
<td>Mathematics</td>
<td>0 cr</td>
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<tr>
<td>Natural Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
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<tr>
<td>Social Science</td>
<td>6 cr</td>
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30 cr

Total Core/Liberal Studies Requirement 39-42 cr

4.0 Electives 9-12 cr

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY AND SYSTEMS WITH A CONCENTRATION IN INFORMATION TECHNOLOGY

FRESHMAN YEAR

FALL

<table>
<thead>
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<th>Course</th>
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<tr>
<td>CMSC 110 Comp Stud Seminar</td>
<td>1 cr</td>
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<tr>
<td>CMSC 120 Computer Science I</td>
<td>4 cr</td>
</tr>
<tr>
<td>MATH 130 Intro Statistics I</td>
<td>3 cr</td>
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<tr>
<td>PHIL 101 Intro Philosophy</td>
<td>3 cr</td>
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<tr>
<td>Core/LS Writing</td>
<td>3 cr</td>
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SPRING

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<tr>
<td>CMSC 121 Computer Science II</td>
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<tr>
<td>MATH 250 Discrete Math I</td>
<td>3 cr</td>
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<tr>
<td>ITS 130 Info. Tech. and Systems Concepts</td>
<td>3 cr</td>
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<tr>
<td>Core/LS History</td>
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<tr>
<td>Core/LS Writing</td>
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SOPHOMORE YEAR

FALL

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 210 Web Programming I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 406 Data Communications</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 241 Calculus I</td>
<td>4 cr</td>
</tr>
<tr>
<td>BUS 100 Intro Business &amp; Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>16 cr</td>
</tr>
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</table>

SPRING

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 220 Web Programming II</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 321 Arch Hard and Software</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 408 Data Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>

JUNIOR YEAR

FALL

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 312 Unix</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 415 Internetworking I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 430 Systems Analysis and Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
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SPRING

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 420 Internet Security</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS Upper-level Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td>PHIL 300 Ethics</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>

SENIOR YEAR

FALL

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 410 Systems Administration</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 440 Technology Entrepreneurship</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS Upper-level Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td>General Elective/Internship</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>

SPRING

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS Upper-level Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 477 Info Tech. &amp; Society</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS</td>
<td>3 cr</td>
</tr>
<tr>
<td>General Elective/Internship</td>
<td>6 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>
# REQUIREMENTS FOR A BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY AND SYSTEMS WITH A CONCENTRATION IN INFORMATION SYSTEMS

Note: A minimum of 60 credits in Liberal Arts is required.

## 1.0 Course Requirements in Major Field

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC 110 Computing Studies Seminar</td>
<td>1 cr</td>
</tr>
<tr>
<td>CMSC 120 Computer Science I</td>
<td>4 cr</td>
</tr>
<tr>
<td>CMSC 121 Computer Science II</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 130 Information Technology and Systems Concepts</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 210 Web Programming I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 220 Web Programming II</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 321 Architecture of Hardware and Software</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 406 Data Communications</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 408 Data Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 428 Data Quality in Information Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 430 Systems Analysis &amp; Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 452 Decision Support Systems</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 492 Information Systems Project</td>
<td>3 cr</td>
</tr>
<tr>
<td>ITS 478 Capping: Information Systems Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 100 Intro to Business &amp; Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 340 Marketing Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 103 Principles of Microeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 104 Principles of Macroeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 203 Financial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 204 Managerial Accounting</td>
<td>3 cr</td>
</tr>
<tr>
<td><strong>Credit Requirement in Information Technology &amp; Systems</strong></td>
<td>59 cr</td>
</tr>
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</table>

## 2.0 Course Requirements in Related Fields

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 130 Intro Statistics I</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 241 Calculus I</td>
<td>4 cr</td>
</tr>
<tr>
<td>MATH 250 Discrete Mathematics I</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Credit Requirement in Related Fields** 10 cr

## Total Credit Requirement for a Major in Information Systems 69 cr

## 3.0 Core/Liberal Studies Requirements

### 3.1 FOUNDATION COURSES

- Philosophy/Ethics 6 cr
- Writing 3-6 cr

**9-12 cr**

### 3.2 DISTRIBUTION*

- Fine Arts 3 cr
- History 6 cr
- Literature 6 cr
- Mathematics 0 cr (fulfilled by related field req.)
- Natural Science 6 cr
- Philosophy/Religious Studies 3 cr (fulfilled by related field req.)
- Social Science 0 cr (fulfilled by related field req.)

**24 cr**

## Total Credit Requirement Core/Liberal Studies 33-39 cr

## 4.0 Electives 12-18 cr

## Total Credit Requirement for Graduation 120 cr

*Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.
RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY AND SYSTEMS WITH A CONCENTRATION IN INFORMATION SYSTEMS

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC 120 Computer Science I 4 cr</td>
<td>CMSC 121 Computer Science II 3 cr</td>
</tr>
<tr>
<td>CMSC 110 Comp Stud Seminar 1 cr</td>
<td>ITS 130 Info. Tech. and Systems Concepts 3 cr</td>
</tr>
<tr>
<td>MATH 130 Intro Statistics I 3 cr</td>
<td>MATH 250 Discrete Math I 3 cr</td>
</tr>
<tr>
<td>PHIL 101 Intro Philosophy 3 cr</td>
<td>Core/LS History 3 cr</td>
</tr>
<tr>
<td>Core/LS Writing 3 cr</td>
<td>Core/LS Writing 3 cr</td>
</tr>
<tr>
<td>14 cr</td>
<td>15 cr</td>
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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
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</thead>
<tbody>
<tr>
<td>ITS 210 Web Programming I 3 cr</td>
<td>ITS 220 Web Programming II 3 cr</td>
</tr>
<tr>
<td>ITS 406 Data Communications 3 cr</td>
<td>ITS 321 Arch Hard and Software 3 cr</td>
</tr>
<tr>
<td>BUS 100 Intro to Business &amp; Management 3 cr</td>
<td>ITS 408 Data Management 3 cr</td>
</tr>
<tr>
<td>MATH 241 Calculus I 4 cr</td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td>Core/LS 3 cr</td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td>16 cr</td>
<td>15 cr</td>
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</table>

**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 430 Systems Analysis &amp; Design 3 cr</td>
<td>PHIL 300 Ethics 3 cr</td>
</tr>
<tr>
<td>ECON 104 Principles of Macroeconomics 3 cr</td>
<td>ECON 103 Principles of Microeconomics 3 cr</td>
</tr>
<tr>
<td>ACCT 203 Financial Accounting 3 cr</td>
<td>ACCT 204 Managerial Accounting 3 cr</td>
</tr>
<tr>
<td>Core/LS 3 cr</td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td>General Elective/Internship 3 cr</td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td>15 cr</td>
<td>15 cr</td>
</tr>
</tbody>
</table>

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 452 Decision Support Systems 3 cr</td>
<td>ITS 428 Data Quality in Information Systems 3 cr</td>
</tr>
<tr>
<td>ITS 492 IS Project 3 cr</td>
<td>ITS 478 Capping: IS Policy 3 cr</td>
</tr>
<tr>
<td>BUS 340 Marketing Management 3 cr</td>
<td>Core/LS 3 cr</td>
</tr>
<tr>
<td>General Elective/Internship 3 cr</td>
<td>General Elective/Internship 3 cr</td>
</tr>
<tr>
<td>General Elective/Internship 3 cr</td>
<td>General Elective/Internship 3 cr</td>
</tr>
<tr>
<td>15 cr</td>
<td>15 cr</td>
</tr>
</tbody>
</table>

**REQUIREMENTS FOR A MINOR IN INFORMATION TECHNOLOGY**

The minor in Information Technology requires 25 credits beyond the student's major and other requirements.

- CMSC 120 Computer Science I 4 cr
- CMSC 121 Computer Science II 3 cr
- ITS 130 Information Technology and Systems Concepts 3 cr
- ITS 415 Internetworking I 3 cr
- ITS 210 Web Programming I 3 cr
- ITS 220 Web Programming II 3 cr
- Math 250 Discrete Math I OR Math 210 Linear Algebra 3 cr
- ITS 406 Data Communications OR CMSC 406 Computer Networks and Distributed Systems 3 cr

Total Credit Requirement for a Minor in Information Technology 25 cr

**REQUIREMENTS FOR A MINOR IN INFORMATION SYSTEMS**

The minor in Information Systems requires students to complete all of the eight courses shown below. Due to the course prerequisites and other interdependencies, students are recommended to commence the minor not later than the fall semester of their sophomore year in order to complete the sequence in the spring semester of their senior year.

- CMSC 120 Computer Science I 4 cr
- MATH 250 Discrete Mathematics I 3 cr
- ITS 110 Computing Science Seminar I 1 cr
- ITS 130 Information Technology and Systems Concepts 3 cr
- ITS 210 Web Programming I 3 cr
- ITS 430 Systems Analysis and Design 3 cr
- ITS 408 Data Management 3 cr
- BUS 100 Introduction to Business and Management 3 cr

Total Credit Requirement for a Minor in Information Systems 23 cr

Students earning a minor are encouraged to take ITS 415 Internetworking I, if possible.
DATA CENTER TECHNOLOGIES

The Data Center Technologies Certificate provides a fast-track certificate to (re)train for entry-level IS professional positions and to provide computer competency in critical systems analysis and design skills, and problem-solving acumen. The certificate program also allows a student to earn 27 undergraduate credits that can be applied toward the Marist Bachelor of Science Degree in Information Systems, or to satisfy prerequisites and reduce the credit load from the Marist Master of Science degree in Information Systems for those already holding a Bachelor’s Degree. The program provides essential knowledge and skills in computer programming, data management, communications, systems analysis, and systems design. It culminates with a real-world system-development project experience.

Admission requirements: Minimum 50 college credits with a GPA of 2.0 or equivalent life experience; proficiency in word processing and spreadsheet use (non-credit workshops are available to meet this requirement); three years of high school mathematics or college equivalent. Up to two courses may be transferred from an accredited higher education institution.

This certificate includes the following nine courses.*

* CMSC 121 is waived for the certificate program.

COURSE REQUIREMENTS

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Crs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC 119 Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>ITS 130 Information Technology and Systems Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ITS 321 Architecture of Hardware and Software</td>
<td>3</td>
</tr>
<tr>
<td>ITS 406 Data Communication</td>
<td>3</td>
</tr>
<tr>
<td>ITS 410 System Administration and Management</td>
<td>3</td>
</tr>
<tr>
<td>ITS 415 Internetworking I</td>
<td>3</td>
</tr>
<tr>
<td>ITS 420 Internet Security</td>
<td>3</td>
</tr>
<tr>
<td>ITS 430 Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>ITS 482 Introduction to Facilities</td>
<td>3</td>
</tr>
</tbody>
</table>

The certificate will be awarded after the successful completion of the nine courses if the student has received a grade of C or better in each course.

B.S./M.S. PROGRAM IN INFORMATION SYSTEMS

EITEL LAURIA, Ph.D., Graduate Director, Information Systems

In addition to its undergraduate major in Information Technology and Systems, the Department of Computer Science, Information Systems and Information Technology also offers a Master of Science in Information Systems (MSIS) Degree. The Department recognizes that for some outstanding undergraduate students, certain of their undergraduate work might well be reflective of both the content and quality of that typically expected at the graduate level. The Department further recognizes that certain outstanding undergraduate students could participate successfully in graduate classes. For these reasons the Department offers a five-year program in Information Systems at the end of which the student will earn both B.S. and M.S. degrees.

This program offers an accelerated way of obtaining a master’s degree. Instead of remaining three additional semesters at the minimum to gain the MS at 150 credits (120 + 30), those IS undergraduate students who are admitted to this program will be required to take only 143 credits, or 23 additional credits that can be completed in two semesters, normally the fall and spring following their undergraduate studies.

This program offers a mandatory field experience as a program requirement, which is particularly relevant for acquiring a position of excellence in today’s marketplace.

The five-year program is not appropriate for all students. Qualification occurs in the fourth semester. A cumulative GPA of 3.2 is required for acceptance into the program; a GPA of 3.0 is required for continuation in the program. Students interested in entering the five-year program should speak to any IS faculty member early in their studies at Marist, but no later than the beginning of their fourth semester (see page 13 for more information).

REQUIREMENTS FOR A 5-YEAR B.S./M.S. PROGRAM IN INFORMATION SYSTEMS

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements in ITS and CMSC 19 cr

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Crs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITS 110 Computing Studies Seminar</td>
<td>1</td>
</tr>
<tr>
<td>ITS 130 Information Technology and Systems Concepts</td>
<td>3</td>
</tr>
<tr>
<td>ITS 210 Web Programming I</td>
<td>3</td>
</tr>
<tr>
<td>ITS 321 The Architecture of Hardware and Software</td>
<td>3</td>
</tr>
<tr>
<td>ITS 406 Data Communications</td>
<td>3</td>
</tr>
<tr>
<td>ITS 415 Internetworking I</td>
<td>3</td>
</tr>
<tr>
<td>CMSC 120 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CMSC 121 Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>ITS 499 Advanced Internship</td>
<td>9</td>
</tr>
</tbody>
</table>

Undergraduate Credit Requirement in IS and CMSC 35 cr

2.0 Course Requirements in Related Fields 12 cr

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Crs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 115 Calculus with Mgt Applications</td>
<td>4</td>
</tr>
<tr>
<td>MATH 130 Intro Statistics I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 230 Operational Models (or equivalent)</td>
<td>6</td>
</tr>
<tr>
<td>MATH 250 Discrete Mathematics I</td>
<td>6</td>
</tr>
</tbody>
</table>

128 B.S./M.S. Program in Information Systems
ECON 103 Principles of Microeconomics
ECON 104 Principles of Macroeconomics 6 cr
ACCT 203 Financial Accounting
ACCT 204 Managerial Accounting 15 cr
BUS 100 Intro to Business and Management
BUS 301 Human Resource Management
BUS 320 Financial Management
BUS 340 Marketing Management
BUS 388 Operations Management

Undergraduate Credit Requirement in Related Fields 39 cr

Total Undergraduate Credit Requirement in IS, CMSC, and Related Fields 74 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION COURSES
Philosophy/Ethics 6 cr
Writing 3-6 cr

3.2 DISTRIBUTION
Natural Science 6 cr
Social Science 0 cr (fulfilled by related field req.)
History 6 cr
Literature 6 cr
Mathematics 0 cr (fulfilled by related field req.)
Fine Arts 3 cr
Philosophy/Religious Studies 3 cr 24 cr

Total Credit Requirement Core/Liberal Studies 33-36 cr

4.0 Electives (Students are advised to defer free electives until junior year at the earliest.) 0-3 cr

5.0 Graduate Courses taken at Undergraduate Level
MSIS 527 Systems and Information Concepts in Organizations 3 cr
MSIS 647 Information Analysis 3 cr
MSIS 657 Systems Design 3 cr 9-12 cr

Total Four-Year Credit Requirement* 119 cr

4.0 Fifth-Year Graduate Courses
MSIS 547 Data Management II 3 cr
MSIS 637 Decision Support Systems 3 cr
MSIS 720 (Capping) Information Systems Project 3 cr
MSIS 730 (Capping) Information Systems Policy 3 cr
MBA 610 Global Environment of Business 3 cr
MBA 654 Managing Organizational Change 3 cr
MBA 661 Operational Excellence 3 cr
MSIS 557 Data Quality in Information Systems OR 3 cr
PSYG 545 Psychology of Communication OR approved MSIS or MBA course

Total Graduate Credits, Fifth Year 24 cr

Total Credit Requirement for Completing Five-Year B.S./M.S. Program* 143 cr

* Students normally would receive both the B.S. and the M.S. degrees in the spring of the fifth year at the conclusion of their studies.

RECOMMENDED PROGRAM SEQUENCE FOR THE FIVE-YEAR B.S./M.S. PROGRAM IN INFORMATION SYSTEMS

FRESHMAN YEAR

FALL
CMSC 120 Computer Science I 4 cr
ITS 110 Comput Studies Sem 1 cr
MATH 130 Intro Statistics I 3 cr
PHIL 101 Intro to Philosophy 3 cr
Core/LS Writing 3 cr 14 cr

SPRING
CMSC 121 Computer Science II 3 cr
ITS 130 Info. Tech. and Systems Concepts 3 cr
MATH 250 Discrete Math I 3 cr
Core/LS 3 cr
Core/LS Writing OR Elective 3 cr 15 cr
### Sophomore Year

**Fall**
- ITS 210 Web Programming I 3 cr
- BUS 100 Intro to Business and Management 3 cr
- ECON 104 Prin Macroeconomics 3 cr
- ACCT 203 Financial Accounting 3 cr
- MATH 115 Calc w/Mgt Appl 3 cr

**Spring**
- ITS 321 Arch Hardware and Software 3 cr
- MATH 230 Operational Models 3 cr
- ECON 103 Prin Microeconomics 3 cr
- ACCT 204 Managerial Accounting 3 cr
- Core/LS Elective 3 cr

Note: Students selected for Five-Year Program at this point.

### Junior Year

**Fall**
- MSIS 527 Info Sys Con 3 cr
- ITS 408 Data Management I 3 cr
- BUS 320 Financial Management 3 cr
- Core/LS OR Elective 3 cr
- Core/LS Elective 3 cr

**Spring**
- MSIS 647 Information Analysis 3 cr
- ITS 406 Data Communication 3 cr
- ITS 415 Internetworking I 1 cr
- BUS 301 Personnel Admin 3 cr
- Core/LS Ethics 3 cr

**Senior Year**

**Fall**
- MSIS 657 Systems Design 3 cr
- BUS 340 Marketing Mgmt 3 cr
- BUS 388 Production Mgmt 3 cr
- Core/LS Elective 3 cr
- Core/LS Elective 3 cr

**Spring**
- ITS 499 IS Advanced Internship 9 cr
- Core/LS OR Elective 3 cr
- Core/LS Elective 3 cr

**Fifth Year (Graduate)**

**Fall**
- MSIS 547 Data Management II 3 cr
- MSIS 637 Decision Supp Syst 3 cr
- MSIS 720 IS Project (Capping) 3 cr
- MBA 654 Managing Organizational Change 3 cr

**Spring**
- MSIS 730 IS Policy (Capping) 3 cr
- MBA 610 Global Environ Business 3 cr
- MBA 661 Operational Excellence 3 cr
- PSYG 545 Psychology of Commun OR approved MSIS, MSCS or MBA course 3 cr

### Liberal Studies

**Joseph D. Ross, Ph.D., Director**

Recognizing that curricula designed for traditional college students do not always meet the educational needs of adults, Marist offers a Bachelor's degree program especially for adult learners. The Liberal Studies program provides the flexibility to tailor an education that meets personal and professional objectives.

The BA/BS in Liberal Studies is available to adult students admitted to Marist through the School of Global and Professional Programs. Up to 15 of the 45 required major credits may be transferred from another college. Transfer credits for electives follow general college guidelines.

Students in the Liberal Studies program are free to design, with faculty advisement, their own individual Bachelor of Arts or Bachelor of Science Degree program. The majority of the students in the program select their major program from two or more of the following areas:

- Criminal Justice
- Economics
- Psychology
- Organizational Administration
- Paralegal Studies
- Communication

Students can, however, choose courses from the many additional academic disciplines offered by Marist, and thus design a unique program of study based on their own previous experience and personal and professional goals. There is also an optional business minor available.

Required as part of the Liberal Studies program is a six-course sequence that takes an interdisciplinary approach toward learning and draws from various fields of study. These courses also fulfill the general education/core curriculum distribution required in traditional majors. The sequence begins with an initial course that helps students design their programs, assess prior learning experiences, and formulate educational goals. Additional courses focus on the integration of learning across various disciplines. Concluding the sequence is a final Capping seminar in which students consider a significant contemporary issue from a liberal arts perspective.

The School of Global and Professional Programs also offers cohort-based accelerated degrees as part of the Liberal Studies program. These accelerated programs are open to students who have completed approximately two years of college-level work and meet transfer admission requirements. Students accepted into the accelerated degree completion programs will have the opportunity to complete their undergraduate degrees in as little as two years (while working full time) by using an intensive, year-round, six-week format. Students will attend one face-to-face class each week and will complete additional learning activities outside of the traditional classroom.
REQUIREMENTS FOR A BACHELOR’S DEGREE IN THE LIBERAL STUDIES MAJOR

1.0 Liberal Studies Major

A minimum of forty-five (45) credits must be selected from a minimum of two different academic Concentrations. A student’s program must include at least 12 credits in each Concentration or a minimum of 21 credits in one Concentration and 24 in the other if only two Concentrations are chosen. Preferably, a student will select courses from two or three different disciplines (12-15 credits for each), following a sequence of increasing depth and sophistication in each area. Of the 45 credits, at least 21 must be upper-level courses, usually designated as 300-400 level courses, taken at Marist.

1.1 Transfer Credits applicable to Concentrations

Up to 15 of the 45 major credits may be transferred from another institution.

Additional transfer credits for the elective area follow general institutional guidelines.

2.0 Liberal Studies Core

Eighteen (18) credits of core requirements are as follows:

PHIL 103 World Views and Values 3 cr
INTD 105 Perspectives on Education 3 cr
INTD 209 Perspectives on the Humanities 3 cr
INTD 212 Perspectives on Social Institutions 3 cr
INTD 213 Perspectives on Science and History 3 cr
INTD 477 Capping Experience 3 cr

18 cr

3.0 Writing Skills Requirements

The College requires that the student demonstrate proficiency in writing in order to graduate. The proficiency requirement may be satisfied in one of three ways:

1. By passing ENG 117 with a grade of C or better or by passing the Writing Proficiency Examination at the conclusion of ENG 117 with a grade of at least C;
2. By transferring into the College a course equivalent to ENG 117 with a grade of C or better.
3. Satisfactory results of College Level Examination Program (CLEP) exam, minimum score determined by the College

4.0 Electives

Students are free to choose elective credits as they wish. Attention should be paid, however, to the mix of liberal arts and non-liberal arts courses (see below).

Total Credit Requirement for Graduation

120 cr

BA/BS Options

The Liberal Studies Major can be a BA or a BS degree depending on the number of liberal arts credits. For the BA degree the student’s program must include a minimum of 90 credits in the liberal arts and sciences. For a BS degree a minimum of 60 credits in the liberal arts and sciences is required.

Procedures

1. Advisement

All students pursuing the BA/BS in Liberal Studies must enroll in INTD 105L: Perspectives on Education. This course provides the context within which students will develop their Degree Plans and write the Study Plan Rationale. At the end of this course students will submit the Degree Plans and Study Plan Rationale to the Director of Degree Programs for approval and Liberal Studies Committee for review. An advisor will also be designated to work with the student every semester in selecting courses consistent with his/her educational objectives.

2. Academic Review

Degree Plans may be revised and reassessed at any point; any course change must be approved by the Director of Degree Programs or the Assistant Dean for the School of Global and Professional Programs.

JEWISH STUDIES MINOR

JOSHUA BOAZ KOTZIN, Ph.D., Coordinator

The minor in Jewish Studies is an interdepartmental program which involves faculty from the departments of English, Religious Studies, History, and Political Science. A planned program of courses drawn from current and future offerings, the minor has been developed for students who wish to deepen their knowledge of Judaism and Jewish culture. Participation in the program can help students to perceive the relationship of Judaism to other world religions and to understand Judaism’s impact on Western culture. It can stimulate reflection on fundamental human values.

A minimum of 18 credits constitutes the minor. In addition to the designated curriculum, independent study courses are available. Students can satisfy up to nine credits of the minor through summer study at the Hebrew University in Jerusalem. Arrangements should be made with the coordinator of the program.
REQUIREMENTS FOR A MINOR IN JEWISH STUDIES

1.0  Two courses selected from the following: 6 cr
  REST 201 Religion in America
  REST 204 Judaism
  REST 208 Judeo-Christian Scriptures

Four courses selected from the following: 12 cr
  HIST 272 The Ancient East
  HIST 349 Modern Germany: Bismarck to Hitler
  ENG 370 Modern Jewish Literature
  ENG 371 The Hebrew Bible as Literary Classic
  ENG 373 Literature of the Holocaust
  POSC 245 Politics of Prejudice

Students may fulfill requirements in other ways upon consultation with the Program Coordinator.

Total Credit Requirement for a Minor in Jewish Studies 18 cr

LATIN AMERICAN/CARIBBEAN STUDIES MINOR

IVETTE ROMERO, Ph.D., Coordinator

Description:
The Latin American/Caribbean Studies Minor offers a broad foundation in the social sciences and helps prepare students interested in working with Latin American/Caribbean communities in the United States and abroad. With the growing Latino/Hispanic/Caribbean populations in New York and the United States, students of Latin American/Caribbean descent have the opportunity to expand their knowledge and language skills by integrating work in the fields of business, communications, economics, education, environmental science, history, and politics with interdisciplinary coursework that explores various theoretical and methodological approaches.

REQUIREMENTS IN LATIN AMERICAN/CARIBBEAN STUDIES

1.0  Course Requirements in Latin American/Caribbean Studies
  One SPAN language course at the 200 level or higher 3 cr
  Three of the following courses: 9 cr
    HIST 273 History of Latin America to 1830
    HIST 274 History of Latin America since 1830
    SPAN 260 Hispanic Civilization: Latin America
    SPAN 154 Civilization of Hispanics in the United States OR
    SPAN 354 Civilización de Hispanos en los EEUU

Credit Requirement in Latin American/Caribbean Studies 12 cr

2.0  Course Requirements in Related Fields
  Three courses approved by the Coordinator of Latin American/Caribbean Studies 9 cr
  One immersion experience which could include study abroad in Latin America or the Caribbean, community service, or an internship approved by the Coordinator. 0-6

Credit Requirement in Related Fields 9-15 cr

Total Credit Requirement in Latin American/Caribbean Studies 21-27 cr

Current course offerings acceptable for the Latin American/Caribbean Studies Minor:

Anthropology:
ANTH 233 The American Indian

Art:
ART 255 Pre-Columbian Art

Business:
BUS 202 Global Business and Society
BUS 430 International Trade Management (prerequisite BUS 100 or 102)
BUS 442 International Marketing (prerequisite BUS 340)

Communications:
COM 325 Intercultural Communications
COM 488 Comparative Communications Systems
(Also see SPAN 335 Themes in Latin American Cinema)

Economics:
ECON 442 International Economics (prerequisite ECON 104 and 102)
Honors Program:
HONR 302 Art of Culture: Women, Literature, and Culture in Latin America

Modern Languages and Cultures:
SPAN 152 The Civilization of Latin America
SPAN 153 The Civilization of Puerto Rico
SPAN 154 Civilization: Hispanics in the United States
SPAN 220 Latin American Literature in Translation
SPAN 260 Hispanic Civilization: Latin America (in Spanish)
SPAN 315 The Experience of Hispanic Literature (in Spanish)
SPAN 335 Themes in Latin American Cinema (also fulfills requirements for Cinema Studies Minor)
SPAN 354 Civilización: Los hispanos en los Estados Unidos (in Spanish)
SPAN 370 Latin American Women Writers (in Spanish)
SPAN 392, 395, 396 Internship in Spanish (focus on Latin American/Caribbean Diaspora)
SPAN 415 ICONS: Spanish Translation Techniques
SPAN 430-431 Spanish American Literature I-II (in Spanish)
SPAN 433 Literature of the Hispanic Caribbean (in Spanish)
SPAN 477 Capping (only when the focus is Latin American Literature)
SPAN 480 Seminar: Latin American Texts and the Disclosure of Continental History
FREN 315 French Africa and the Caribbean

History:
HIST 273 History of Latin America to 1830
HIST 274 History of Latin America since 1830
HIST 375 Race and Ethnicity in Latin America

Political Science:
POSC 213 Politics of Human Rights
POSC 273 International Politics
POSC 353 Comparative Politics of Developing Areas
POSC 350 Comparative Politics of Latin America

Philosophy and Religion:
REST 219 Sociology of Religion
REST 225 Global Liberation Theology
Other courses may fulfill the 3 elective requirements if approved by the Latin American/Caribbean Studies Coordinator.

MATHEMATICS

K. PETER KROG, Ph.D., Chairperson

The mathematics major at Marist offers a solid grounding in the ideas and techniques of mathematics. During the junior and senior year, the student can use the upper-level elective mathematics courses to tailor the major to career goals.


REQUIREMENTS FOR A BACHELOR OF ARTS IN MATHEMATICS

Note: A minimum of 90 credits in Liberal Arts is required.

1.0 Course Requirements in Mathematics
MATH 241, 242, 343, Calculus I-III 12 cr
MATH 210 Linear Algebra 3 cr
MATH 310 Intro to Math Reasoning 3 cr
MATH 330 Probability and Statistics 3 cr
MATH 410 Abstract Algebra I 3 cr
MATH 420 Mathematical Analysis I 3 cr
MATH 477 Math Capping Course 3 cr

1.1 Additional Upper-Level MATH courses 9 cr
MATH 321 Differential Equations
MATH 331 Applied Statistics
MATH 411 Abstract Algebra II
MATH 412 Computational Linear Algebra
MATH 421 Mathematical Analysis II
MATH 422 Applied Mathematics
MATH 424 Complex Analysis
MATH 430 Operations Research
MATH 440 Numerical Analysis
Credit Requirement in Mathematics 39 cr

2.0 Course Requirements in Related Fields
   CMSC 120 Computer Science I 4 cr

Total Credit Requirement for a Major in Mathematics 43 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
   Philosophy/Ethics 6 cr
   Writing 3-6 cr
   9-12 cr

3.2 DISTRIBUTION*
   Natural Science 6 cr
   Social Science 6 cr
   History 6 cr
   Literature 6 cr
   Mathematics 0 cr (fulfilled by major field req.)
   Fine Arts 3 cr
   Philosophy/Religious Studies 3 cr
   30 cr

Total Core/Liberal Studies Credit Requirement 39-42 cr

4.0 Electives 35-38 cr

Students are encouraged to take courses in business, computer and information sciences, foreign languages, the natural sciences, and social sciences.

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for second courses in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

HONORS IN MATHEMATICS

Up to approximately 10% of the graduating seniors in Mathematics or Applied Mathematics will be awarded honors in Mathematics on the basis of 1) demonstrated achievement in the mathematics or applied mathematics major and 2) demonstrated ability to work independently on a project of greater depth than that normally required of majors. Students who wish to be considered for Honors in Mathematics should begin planning during the junior year, and then complete the items below under the guidance of a faculty project advisor during the senior year.

- Have the advisor present a project proposal to the Mathematics Department for formal approval (ideally at the start of the senior year).
- Conduct the research project as part of a 3- to 6-credit independent study.
- Present the results of the project in at least one approved public forum.
- Present the results of the project in written form (i.e., an Honors thesis) by the last day of final exams in the spring semester.

For more details please contact the Department Chair or visit the Department of Mathematics page at the Marist College web site.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN MATHEMATICS

FRESHMAN YEAR

FALL
   MATH 241 Calculus I 4 cr
   PHIL 101 Intro to Philosophy 3 cr
   Core/LS Writing 3 cr
   Core/LS 6 cr
   16 cr

SPRING
   MATH 242 Calculus II 4 cr
   Core/LS Writing or Elective 3 cr
   Core/LS 9 cr
   16 cr

SOPHOMORE YEAR

FALL
   MATH 343 Calculus III 4 cr
   MATH 210 Linear Algebra 3 cr
   CMSC 120 Computer Science I 4 cr
   Core/LS 6 cr
   17 cr

SPRING
   MATH 310 Intro Math Reasoning 3 cr
   Core/LS 3 cr
   Electives 8 cr
   14 cr
JUNIOR YEAR

FALL
- MATH Requirement 3 cr
- MATH Elective 3 cr
- Core/LS 3 cr
- Electives 6 cr
- 15 cr

SPRING
- MATH Requirement 3 cr
- MATH Elective 3 cr
- Core/LS 3 cr
- Electives 6 cr
- 15 cr

SENIOR YEAR

FALL
- MATH Requirement 3 cr
- MATH Elective 3 cr
- Core/LS 3 cr
- Electives 6 cr
- 15 cr

SPRING
- MATH Requirement(s) OR
- Electives 6 cr
- Electives 6 cr
- 12 cr

BIENNIAL CYCLE OF UPPER-LEVEL COURSE OFFERINGS

FALL ODD YEARS
- Algebra I
- Probability and Statistics
- Analysis I
- Operations Research
- Geometry

FALL EVEN YEARS
- Algebra I
- Probability and Statistics
- Analysis I
- Applied Mathematics
- Geometry

SPRING ODD YEARS
- Algebra II*
- Differential Equations
- Computational Linear Algebra*
- Complex Analysis
- Analysis II *
- Capping

SPRING EVEN YEARS
- Numerical Analysis
- Applied Statistics
- Differential Equations
- Combinatorics
- Capping

* Generally two of these three courses will be offered.

REQUIREMENTS FOR MATHEMATICS MAJORS PURSUING SECONDARY EDUCATION CERTIFICATION

Students interested in Secondary Education (Adolescence Education) should contact the department chair for current requirements.

REQUIREMENTS FOR A MINOR IN MATHEMATICS

- MATH 241, 242, 343, Calculus I-III 12 cr
- MATH 210 Linear Algebra OR 3 cr
- MATH 250 Discrete Math I
- MATH 310 Intro to Math Reasoning 3 cr

Total Credit Requirement for a Minor in Mathematics 18 cr

MEDICAL TECHNOLOGY

CATHERINE E. NEWKIRK, M.S., M.T. (ASCP), Chairperson

MISSION:
The mission of the Department of Medical Laboratory Sciences is to provide students with a thorough understanding of the body of knowledge in the field of medical technology and its application in the medical laboratory setting.

OBJECTIVES:
The program of study in medical technology is designed to achieve the following objectives:
- To educate students to perform competently as medical technologists at the career-entry level.
- To develop in students problem-solving skills and leadership qualities in preparation for educational and supervisory positions in medical technology.
- To cultivate in students an appreciation for continuing education and the need for lifelong learning in the field of laboratory medicine.
- To provide students with the foundation for further study and advancement in many academic and professional areas.

Although not a requirement for graduation, students are prepared and eligible to take national certification examinations. On completion of the degree requirements at Marist College and national certification, graduates are qualified to apply for a New York State Department of Education license to practice in clinical laboratories in the State of New York.

Medical Technology offers exciting educational and career opportunities for students wishing to combine an interest in the sciences with laboratory medicine and diagnostic health care. As vital members of the health-care team, medical technologists work closely with pathologists and other physicians to provide information needed for the diagnosis and therapeutic management of disease. Technologists may pursue diverse career opportunities. They may work in hospital, university, government, or industrial laboratories. They represent the upper division of medical laboratory personnel and can establish challenging careers in laboratory administration, specialized
research, technical services, marketing, or in medical technology education. Graduates are qualified to enter graduate programs leading to masters and doctoral degrees. Medical Technology, with carefully chosen elective coursework, is an excellent major for students wishing to pursue professional degrees in human medicine, dentistry, veterinary medicine, physician/pathologist assistant programs, podiatry, physical therapy, and other health areas.

The Medical Technology Program at Marist College is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).* The program represents a cooperative effort between the College and local clinical laboratories to provide a four-year curriculum leading to a Bachelor of Science degree with a major in Medical Technology. Students have a strong foundation in liberal arts and take courses in biology, chemistry, math, and computer science in preparation for advanced clinical courses. Students in clinical courses on campus gain experience in a simulated medical laboratory. Clinical courses include Hematology, Clinical Microscopy, Clinical Immunology/Immunohematology, Clinical Microbiology, and Clinical Chemistry. The curriculum emphasizes an understanding of the pathogenesis and manifestation of disease analyzed by laboratory testing and the theoretical principles supporting laboratory tests. Students spend six months in an affiliated medical laboratory studying diagnostic evaluation and therapeutic monitoring of actual patient cases. They study side by side with professional medical technologists, utilizing state-of-the-art analytical instrumentation, and are under the direction and supervision of Marist College faculty. The Marist program is formally affiliated with five medical centers: St. Francis Hospital, Poughkeepsie, NY; Vassar Brothers Medical Center, Poughkeepsie, NY; the Veterans Affairs Hudson Valley Health Care System, Castle Point, NY; Kingston Benedictine Hospitals Laboratory, Kingston, NY; and St. Luke’s Cornell Hospital, Newburgh/Cornwall, NY. All of these facilities are located within commuting distance of the College so students can continue to reside on campus. Students must achieve a minimum grade-point average of 2.5 in all required science and math courses to participate in the clinical portion of the program. A grade of C or better is required in each clinical course (I and II). All clinical I courses must be completed with a minimum grade of C prior to starting the internship phase of the program.

The program provides an opportunity for students with an Associate degree in Medical Laboratory Technology or the Natural Sciences to complete a Bachelor of Science degree with a major in Medical Technology at Marist College. These transfer students receive a maximum of 60 credits for courses taken at other accredited institutions of higher education and can usually complete the Marist College program in two years with full-time study.


REQUIREMENTS FOR A BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements in Medical Technology
   MEDT 260 Methods in Medical Technology  4 cr
   MEDT 301 Clinical Microbiology I  4 cr
   MEDT 305 Clinical Chemistry I  4 cr
   MEDT 315 Hematology I  4 cr
   MEDT 340 Clinical Immunology/Immunohematology I  4 cr
   MEDT 345 Clinical Microscopy I  1 cr
   MEDT 401 Clinical Microbiology II  4 cr
   MEDT 405 Clinical Chemistry II  4 cr
   MEDT 410 Hematology II  4 cr
   MEDT 440 Clinical Immunology/Immunohematology II  4 cr
   MEDT 445 Clinical Microscopy II  1 cr
   MEDT 477 Topics in Medical Technology (Capping Course)  3 cr

Credit Requirement in Medical Technology  41 cr

2.0 Course Requirements in Related Fields
   BIOL 130 General Biology I  4 cr
   BIOL 131 General Biology II  4 cr
   BIOL 312 Microbiology  4 cr
   BIOL 315 Immunology  3 cr
   BIOL 421 Parasitology  4 cr
   CHEM 131 General Chemistry I  4 cr
   CHEM 132 General Chemistry II  4 cr
   CHEM 201 Intro to Organic Chemistry OR
   CHEM 211 Organic Chemistry I AND
   CHEM 212 Organic Chemistry II  3-6 cr
   MATH 130 Introductory Statistics I  3 cr
   CSIS 103 Information & Computer Literacy  3 cr

Credit Requirement in Related Fields  36-39 cr

Total Credit Requirement for a Major in Medical Technology  77-80 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
   Philosophy/Ethics  6 cr
   Writing  3-6 cr  9-12 cr

136 Medical Technology
### Distribution

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<th>Category</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fine Arts</td>
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<tr>
<td>History</td>
<td>6 cr</td>
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<td>Literature</td>
<td>6 cr</td>
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<tr>
<td>Mathematics</td>
<td>3 cr</td>
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<td>(fulfilled by MATH 130)</td>
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<tr>
<td>Natural Science</td>
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<td>(fulfilled by major field req.)</td>
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</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td>Social Science</td>
<td>6 cr</td>
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</tbody>
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**Total Core/Liberal Studies Requirement**: 36-39 cr

### Electives

**Recommended Elective Courses**:

- BIOL 201 Human Anatomy and Physiology I 4 cr
- BIOL 202 Human Anatomy and Physiology II 4 cr
- BIOL 325 Histology 4 cr
- BIOL 450 Biotechnology 4 cr
- BIOL 320 Genetics 4 cr
- BIOL 340 Comparative Anatomy 4 cr
- BIOL 430 Developmental Biology 4 cr
- BIOL 440 Vertebrate Physiology 4 cr
- CHEM 355 Analytical Chemistry 4 cr
- CHEM 420 Biochemistry I 3 cr
- CHEM 421 Biochemistry II 3 cr
- MATH 241 Calculus I 4 cr
- MATH 242 Calculus II 4 cr
- MATH 343 Calculus III 4 cr
- PHYS 211 General Physics I 3 cr
- PHYS 212 General Physics II 3 cr
- PHYS 213 Physics I Lab 1 cr
- PHYS 214 Physics II Lab 1 cr

**Total Credit Requirement for Graduation**: 120 cr

*Students must take one course that will fulfill the cultural diversity requirement. Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description in catalog.*

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**Recommended Program Sequence for a Medical Technology Major**

#### Freshman Year

**Fall**
- BIOL 130 General Biology I 4 cr
- Core/LS PHIL 101 3 cr
- Core/LS Writing 3 cr
- Core/LS History 3 cr

**Spring**
- BIOL 131 General Biology II 4 cr
- CSIS 103 Information & Computer Literacy 3 cr
- Core/LS Literature 3 cr
- Core/LS Fine Arts 3 cr
- Core/LS Writing 3 cr

**Total**: 13 cr

#### Sophomore Year

**Fall**
- CHEM 131 General Chemistry I 4 cr
- MEDT 260 Methods in Med Tech 4 cr
- Core/LS History 3 cr
- Core/LS Mathematics 3 cr

**Spring**
- CHEM 132 General Chemistry II 4 cr
- BIOL 315 Immunology 3 cr
- MATH 130 Intro to Statistics 3 cr
- Core/LS Social Science 3 cr

**Total**: 13 cr

#### Junior Year

**Fall**
- CHEM 201 Intro to Organic Chemistry 3 cr
- BIOL 312 Microbiology 4 cr
- Core/LS Social Science 3 cr
- Core/LS PHIL 300 3 cr
- Elective(s) 3 cr

**Spring**
- MEDT 301 Clinical Microbiology I 4 cr
- MEDT 305 Clinical Chemistry I 4 cr
- MEDT 315 Hematology I 4 cr
- MEDT 340 Clinical Immunology/Immunohematology I 4 cr
- MEDT 345 Clinical Microscopy I 1 cr

**Total**: 17 cr
**AFFILIATE MEDICAL LABORATORY-BASED COURSE INCLUDES OUTPATIENT AND INPATIENT PHLEBOTOMY (1 WEEK/3 WEEKS)**

**STRUCTURED PROGRAMS IN MEDICAL LABORATORY SCIENCE**

The Medical Technology Program offers structured programs in four specialty areas of medical laboratory science: Immunohematology, Clinical Microbiology, Hematology, and Clinical Chemistry. Students opting for one of these structured programs must have the same educational experiences as a medical technology major and are therefore eligible for ASCP Board examination and certification in that discipline. Students who achieve certification hold the title of Blood Bank Technologist, Microbiology Technologist, Hematology Technologist or Chemistry Technologist, depending on the chosen area of study.

### Immunohematology
- BIOL 315 Immunology
- MEDT 340 Clinical Immunology/Immunohematology I
- MEDT 440 Clinical Immunology/Immunohematology II
- MEDT 315 Hematology I

### Clinical Microbiology
- BIOL 312 Microbiology
- BIOL 421 Parasitology
- MEDT 301 Clinical Microbiology I
- MEDT 401 Clinical Microbiology II

### Hematology
- MEDT 260 Methods in Med Tech
- MEDT 315 Hematology I
- MEDT 410 Hematology II
- MEDT 345 Clinical Microscopy I
- MEDT 445 Clinical Microscopy II

### Clinical Chemistry
- MEDT 305 Clinical Chemistry I
- MEDT 405 Clinical Chemistry II
- MEDT 345 Clinical Microscopy I
- MEDT 445 Clinical Microscopy II

Methods in Medical Technology (MEDT 260) is highly recommended but only required for the Hematology structured program. Students in structured programs must maintain a minimum grade-point average of 2.5 in all required science and math courses in order to be eligible for an internship. They will also be required to fulfill the same phlebotomy requirements as the medical technology majors during clinical training. Internships, which begin in June and end in December, are complemented by an advanced lecture series on campus. Medical technology majors will be given first priority for internship placement if there is an insufficient number of internship slots due to increased class sizes.

### CONCENTRATION IN CYTOLOGY

B.S. IN MEDICAL TECHNOLOGY OR BIOLOGY

Marist College offers a concentration option in Cytotechnology within the Medical Technology and Biology majors. Cytotechnologists are medical laboratory professionals who screen for cellular changes that occur in inflammatory, precancerous, and cancerous conditions. The cells studied may exfoliate from tissue or be removed for examination by brushing, lavage, or fine needle aspiration. Any abnormal microscopic changes detected by the cytotechnologist are reviewed with a pathologist for diagnostic purposes.

Marist College is formally affiliated with the School of Cytotechnology at Memorial Sloan-Kettering Cancer Center (MSKCC) in Manhattan, one of the most prestigious cancer treatment centers in the world. Students electing a concentration in Cytotechnology complete three years of undergraduate study at Marist College and then apply for a full year of education in cytology at MSKCC, which constitutes the fourth year of their college curriculum.

The cytotechnology program at MSKCC is accredited by the American Medical Association’s Commission on Accreditation of Allied Health Education Programs on recommendation of the Cytotechnology Programs Review Committee of the American Society of Cytopathology. Students who complete training at MSKCC receive a B.S. degree in Medical Technology or Biology from Marist College and a certificate in Cytotechnology from MSKCC.

The School of Cytotechnology at MSKCC has an excellent reputation in cytology education. Graduates from the school are rapidly employed in hospitals and clinics, private laboratories, public-health facilities, and industry. They are eligible to take a national exam in cytotechnology through the American Society for Clinical Pathology in order to be board certified.

Additional information on the Cytotechnology option can be obtained through the chairperson of the Department of Medical Laboratory Sciences and the Marist College Cytotechnology web page (www.marist.edu/science/medicalab/cyto.html).

Admission to the MSKCC program is very competitive. There is no guarantee of acceptance into the School of Cytotechnology at MSKCC. Students who are not accepted may complete their degree in Biology or Medical Technology at Marist College.
ARTHUR B. HIMMELBERGER, B.M., M. Ed., Ed. Admin. Cert., Director

MISSION:
The Marist College Music Department offers a minor in Music with both vocal and instrumental tracks. Primarily a performance-based program, the Music Minor offers students the opportunity to pursue their musical endeavors on the college level. The Department is home to over 600 students who participate in any of 21 performing ensembles and take a variety of courses offered in music theory, music industry, music history, and applied music. From applied study in voice, piano, brass, woodwinds, percussion, or strings to researching the lives and works of various composers, the Marist student finds an atmosphere of individual care and attention to personal musical growth. These skills can be used and enjoyed for a lifetime.

OBJECTIVES:
(1) To educate students in the applied, theoretical, historical, performance, and business aspects of music.
(2) To expose students to all genres of music, and enable them to understand and perform each in a correct stylistic manner.
(3) To act as public relations ambassadors for Marist College, including Advancement and Admissions.
(4) To provide performance opportunities to students locally, nationally, and around the globe.

PERFORMING ENSEMBLES:
- Marist College Band (Symphonic and Athletic Bands)
- Marist College Brass Ensemble
- Marist College Flute Ensemble
- Marist College Guitar Ensemble
- Marist College Handbell Choir
- Marist College Jazz Ensemble (“The Jazz Foxes”)
- Marist College Jazz Quartet
- Marist College Percussion Ensemble
- Marist College String Orchestra
- Marist College Wind Symphony (Select Wind Ensemble)
- Marist College Woodwind Ensemble
- Marist College Chamber Singers (auditioned concert choir)
- Marist College Chapel Choir
- Marist College Freshmen Women’s Choir
- Marist College Gospel Choir
- Marist College Singers (mixed concert choir)
- Marist College Singers Men (male concert choir)
- Marist College Singers Women (female concert choir)
- Marist College Sirens (female a cappella ensemble)
- Marist College Women’s Select Choir (auditioned women’s concert choir)

REQUIREMENTS FOR A MINOR IN MUSIC

Students may select either the vocal track or the instrumental track.

Vocal Track:
- One 3-credit Vocal course selected from the following:
  - MUS 112 Beginning Vocal Skills I
  - MUS 113 Beginning Vocal Skills II
  - MUS 212 Intermediate Vocal Skills I
  - MUS 213 Intermediate Vocal Skills II
  - MUS 351 Independent Vocal Study

- Three 1-credit Choral Ensemble Courses
  - MUS 251 Marist College Singers Women
  - MUS 250 Marist College Singers Men
  - MUS 252 Marist College Freshmen Women’s Choir
  - MUS 253 Marist College Chapel Choir
  - MUS 254 Marist College Gospel Choir
  - MUS 255 Marist College Women’s Select Choir
  - MUS 256 Marist College Chamber Singers

- One 3-credit Theory course selected from the following:
  - MUS 103 Sight Reading
  - MUS 120 Theory of Music I
  - MUS 220 Theory of Music II

- Two 3-credit History courses selected from the following:
  - MUS 105 Intro to Music
  - MUS 106 Jazz and Sound
  - MUS 226 Music Cultures of the World
  - MUS 242 Popular Music in America
  - MUS 247 History of the Music Industry
  - MUS 248 History of Motion Picture Music
  - MUS 330 Beethoven and Schubert
  - MUS 335 Opera
  - MUS 340 Baroque Masters
  - MUS 344 Medieval and Renaissance Music
  - MUS 341 Romantic Music of the 19th Century
  - MUS 342 Music of the 20th Century
  - MUS 343 Music in America
  - MUS 346 Amadeus Mozart and 18th-Century Vienna
  - MUS 378 Special Topic in Music

3 cr

3 cr

3 cr

6 cr
The remaining six credits are selected from any other music courses. 6 cr

Total Credit Requirement for a Minor in Music (Vocal Track) 21 cr

Instrumental Track:
One 3-credit Instrumental Skills course selected from the following: 3 cr
- MuS 140 Beginning Instrumental Skills I
- MuS 141 Beginning Instrumental Skills II
- MuS 240 Intermediate Instrumental Skills I
- MuS 241 Intermediate Instrumental Skills II

Three 1-credit Instrumental Ensemble Courses selected from the following: 3 cr
- MuS 107 Beginning Piano I
- MuS 108 Beginning Piano II
- MuS 230 Jazz Foxes
- MuS 231 Brass Ensemble
- MuS 232 Woodwind Ensemble
- MuS 234 Orchestra
- MuS 235 Handbell Choir
- MuS 236 Symphonic Band
- MuS 237 Wind Symphony
- MuS 245 Percussion Ensemble
- MuS 410 Advanced Piano

One 3-credit Theory course selected from the following: 3 cr
- MuS 103 Sight Reading
- MuS 120 Theory of Music I
- MuS 220 Theory of Music II

Two 3-credit History courses selected from the following: 6 cr
- MuS 105 Intro to Music
- MuS 106 Jazz and Sound
- MuS 226 Music Cultures of the World
- MuS 242 Popular Music in America
- MuS 247 History of the Music Industry
- MuS 248 History of Motion Picture Music
- MuS 330 Beethoven and Schubert
- MuS 335 Opera
- MuS 340 Baroque Music
- MuS 341 Romantic Music of the 19th Century
- MuS 342 Music of the 20th Century
- MuS 344 Medieval and Renaissance Music
- MuS 343 Music in America
- MuS 346 Amadeus Mozart and 18th-Century Vienna
- MuS 378 Special Topic in Music

The remaining six credits are selected from any other music courses. 6 cr

Total Credit Requirement for a Minor in Music (Instrumental Track) 21 cr

PARALEGAL PROGRAM CERTIFICATE

SCOTT MYERS, J.D., Director

MISSION:
The objective of the Marist Paralegal Program is to offer organized and comprehensive training in the theory, information, and skills required to qualify as a legal assistant, in accordance with the guidelines established by the American Bar Association. The program is offered within the context of the educational purpose of the College and its commitment to a liberal arts, humanist, value-oriented curriculum. Our program meets its objective in a number of ways. Faculty in the program are drawn from Marist faculty and from practicing lawyers and law office administrators in the Mid-Hudson area. The program encourages a generalist orientation among its students, while stressing specific competency in paralegal studies. Program matriculates may satisfy the generalist requirements by having a baccalaureate degree, by being enrolled in the College’s baccalaureate program contemporaneously with enrollment in the Paralegal Program, or by having at least 36 general education college credits. Students acquire competency in paralegal studies by being required to complete successfully the following courses: Introduction to Law; Introduction to Legal Research And Writing; family Law; Criminal Law; Real Property and Title Search; Business Law I; Wills, Trusts, Estates; and Civil Litigation and Practice. Upon graduation, students will be capable of functioning in all the required areas of study. As examples, a real estate closing, a simple will, a divorce proceeding, a memorandum of law utilizing research tools, and civil trial pleading are but some of the tasks our graduates understand and can complete. Additionally, grasping sufficient legal theory to be able to grow in the profession is required of our students. Successful completion of the program therefore qualifies graduates to serve the many legal needs of the Mid-Hudson area, while contributing to the advancement of the legal profession.
The program combines required paralegal courses with general education courses. In order to receive the Paralegal Certificate, undergraduates accepted into the Paralegal Program are required to matriculate and pursue a major field of study leading to the baccalaureate degree. The certificate will be awarded after a student has completed all of the course requirements in paralegal studies (24 credits) and at least 36 additional credit hours toward the Marist baccalaureate degree. Students already holding baccalaureate degrees are eligible to receive the Paralegal Certificate upon completion of the paralegal course requirements (24 credits).

The Paralegal Certificate Program is approved by the American Bar Association.

**REQUIREMENTS IN THE PARALEGAL PROGRAM**

1.0 Course Requirements in Paralegal Studies 24 cr
- PRLG 101 Intro to Law
- PRLG 210 Intro to Legal Research and Writing
- PRLG 311 Family Law
- PRLG 312 Criminal Law
- PRLG 313 Real Property and Title Search
- PRLG 380 Business Law I
- PRLG 420 Wills, Trusts, Estates
- PRLG 422 Civil Litigation and Practice

**Total Paralegal Course Credits** 24 cr

**Additional course credits** 36 cr
(Non-degree holders admitted to the program)

**Total Credit Requirement for Paralegal Certificate for Non-Degree Holders** 60 cr

2.0 Marist undergraduates must also fulfill their major field requirements for their degrees.

All 36 non-paralegal course credits, including transfer credits, must be acceptable toward a Marist degree.

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**PHILOSOPHY**

**ROSS ENOCHS, Ph.D., Chairperson**

**MISSION:**
The mission of the Philosophy Major is to cultivate in students a habit of critical reflection on the nature of reality, the methods of acquiring knowledge and understanding the world, the nature of moral values, and other issues of fundamental human concern. This will be accomplished through the study of Core courses (Introduction to Philosophy, Ethics, World Views and Values) and electives in philosophy or in philosophy and religious studies.

**REQUIREMENTS FOR A BACHELOR OF ARTS IN PHILOSOPHY**

Note: A minimum of 90 credits in Liberal Arts is required.

1.0 REQUIRED COURSES IN PHILOSOPHY

1.1 Foundation Courses 3-6 cr
- PHIL 101 Introduction to Philosophy
- PHIL 300 Ethics
- PHIL 103 World Views and Values (transfers only)*
  *Students transferring with 24 or more credits must take this course instead of PHIL 101 and PHIL 300. However, they will take 15 credit hours, instead of 12, from 1.4 Topics in Philosophy.

1.2 Logic 3 cr
- PHIL 203 Introduction to Logic
- PHIL 204 Inductive Logic
- PHIL 310 Symbolic Logic

1.3 History of Philosophy 9 cr
- Three courses from:
  - PHIL 240 Pragmatism
  - PHIL 319 Ancient Philosophy
  - PHIL 321 Medieval Philosophy
  - PHIL 322 17th and 18th Century Philosophy
  - PHIL 323 19th and Early 20th Century Philosophy
  - PHIL 324 Contemporary Analytic Philosophy
  - PHIL 325 Contemporary Continental Philosophy

*Philosophy  141*
1.4 Topics in Philosophy  12-15 cr
Four courses* from:
PHIL 212  Philosophy of Society
PHIL 233  Philosophy of Education
PHIL 235  Philosophy and Technology
PHIL 242  Existentialism: A Philosophy of Human Existence
PHIL 330  Aesthetics
PHIL 301  Environmental Ethics
PHIL 331  Philosophy of Religion
PHIL 332  Philosophy of History
PHIL 333  Philosophy and Film
PHIL 335  Metaphysics: The Nature of Reality
PHIL 336  Epistemology: The Theory of Knowledge
PHIL 337  Political Philosophy
PHIL 342  American Social Thought
PHIL 345  Philosophy of Mind
PHIL 392, 393, 394  Special Topics in Philosophical Genres
*Except for students who have taken PHIL 103, who must take five of these courses.

1.5 Capping Course
PHIL 477  Capping  3 cr

Total Credit Requirement in Philosophy  33 cr

2.0 REQUIRED COURSE IN RELATED FIELD
CSIS 103  Information & Computer Literacy  3 cr

Total Credit Requirement in Related Fields  3 cr

Total Credit Requirement for a Major in Philosophy  36 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
Philosophy/Ethics  0 cr  (fulfilled by major field req.)
Writing  3-6 cr

3.2 DISTRIBUTION*
Fine Arts  3 cr
History  6 cr
Literature  6 cr
Mathematics  6 cr
Social Science  6 cr
Natural Science  6 cr
Philosophy/Religious Studies  0 cr  (fulfilled by major field req.)

Total Core/Liberal Studies Requirement  36-39 cr

4.0 Electives  45-48 cr

Total Credit Requirement for Graduation  120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain distribution areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.
REQUIREMENTS FOR A BACHELOR OF ARTS IN PHILOSOPHY WITH A CONCENTRATION IN RELIGIOUS STUDIES

Note: A minimum of 90 credits in Liberal Arts is required.

1.0 REQUIRED COURSES IN PHILOSOPHY

1.1 Foundation Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHIL 101</td>
<td>3-6 cr</td>
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<tr>
<td>PHIL 300</td>
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<td>PHIL 103</td>
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</table>

* Students transferring with 24 or more credits must take this course instead of PHIL 101 and PHIL 300. However, they will take 15 credit hours, instead of 12, from 1.4 Religious Studies.

1.2 Logic

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHIL 203</td>
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<td>PHIL 204</td>
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<td>PHIL 310</td>
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1.3 History of Philosophy

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<tr>
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<tr>
<td>PHIL 240</td>
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<td>PHIL 319</td>
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<td>PHIL 321</td>
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<td>PHIL 340</td>
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<td>PHIL 392</td>
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<td>PHIL 393</td>
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<td>PHIL 394</td>
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1.4 Religious Studies

<table>
<thead>
<tr>
<th>Course</th>
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<td>REST 209</td>
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<tr>
<td>REST 207</td>
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</table>

Two courses* from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHIL 331</td>
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<tr>
<td>PHIL 392</td>
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<td>PHIL 393</td>
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<tr>
<td>PHIL 394</td>
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</tbody>
</table>

* Except for students who have taken PHIL 103, who must take three of these courses.

1.5 Capping Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHIL 477</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Total Credit Requirement in Philosophy and Religious Studies 33 cr

2.0 REQUIRED COURSE IN RELATED FIELD

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSIS 103</td>
<td>3 cr</td>
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</table>

Total Credit Requirement in Related Fields 3 cr

Total Credit Requirement for a Major in Philosophy with a concentration in Religious Studies 36 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

<table>
<thead>
<tr>
<th>Area</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Philosophy/Ethics</td>
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<tr>
<td>Writing</td>
<td>3-6 cr</td>
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3.2 DISTRIBUTION*

<table>
<thead>
<tr>
<th>Area</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fine Arts</td>
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<tr>
<td>History</td>
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<td>Literature</td>
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<td>Mathematics</td>
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<tr>
<td>Social Science</td>
<td>6 cr</td>
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<tr>
<td>Natural Science</td>
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</table>
**RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN PHILOSOPHY**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL</th>
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<tbody>
<tr>
<td>PHIL 101 Intro to Philosophy</td>
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<td>Logic course</td>
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</tr>
<tr>
<td>CSIS 103 Information &amp; Computer Literacy</td>
<td>3 cr</td>
<td>Core/LS Writing OR</td>
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<td>Core/LS Writing</td>
<td>3 cr</td>
<td>Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS History</td>
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<td>Core/LS Mathematics</td>
<td>3 cr</td>
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<tr>
<td>Core/LS Mathematics</td>
<td>3 cr</td>
<td>Core/LS Literature</td>
<td>3 cr</td>
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<tr>
<td>Core/LS Fine Arts</td>
<td>3 cr</td>
<td>Core/LS Fine Arts</td>
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<td><strong>Total</strong></td>
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<td><strong>15 cr</strong></td>
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**SOPHOMORE YEAR**

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<thead>
<tr>
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<tbody>
<tr>
<td>History of Philosophy Course</td>
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<td>Core/LS Social Science</td>
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<td>Core/LS Social Science</td>
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<tr>
<td>Core/LS Natural Science</td>
<td>3 cr</td>
<td>Elective</td>
<td>3 cr</td>
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<tr>
<td>Core/LS Literature</td>
<td>3 cr</td>
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<td>3 cr</td>
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<td><strong>Total</strong></td>
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**JUNIOR YEAR**

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<tr>
<th>FALL</th>
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<tbody>
<tr>
<td>Topics In Philosophy Course</td>
<td>3 cr</td>
<td>PHIL 300 Ethics</td>
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<tr>
<td>Core/LS Natural Science</td>
<td>3 cr</td>
<td>Topics In Philosophy Course</td>
<td>3 cr</td>
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<tr>
<td>Elective</td>
<td>3 cr</td>
<td>Elective</td>
<td>3 cr</td>
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**SENIOR YEAR**

<table>
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<tr>
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<tbody>
<tr>
<td>Topics In Philosophy Course</td>
<td>3 cr</td>
<td>PHIL 477 Capping</td>
<td>3 cr</td>
</tr>
<tr>
<td>Elective</td>
<td>3 cr</td>
<td>Topics In Philosophy Course</td>
<td>3 cr</td>
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<td>Elective</td>
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<td><strong>15 cr</strong></td>
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</table>

**REQUIREMENTS FOR A MINOR IN PHILOSOPHY**

- Introductory-Level Course or PHIL 101 Introduction to Philosophy | 3 cr
- PHIL 300 Ethics | 3 cr
- Two History of Philosophy Courses: | 6 cr
  - PHIL 240 Pragmatism
  - PHIL 319 Ancient Philosophy
  - PHIL 321 Medieval Philosophy
  - PHIL 322 17th and 18th Century Philosophy
  - PHIL 323 19th and Early 20th Century Philosophy
  - PHIL 324 Contemporary Analytic Philosophy
  - PHIL 325 Contemporary Continental Philosophy
  - PHIL 342 Foundations of American Social Thought
- Two Additional Philosophy Courses | 6 cr

**Total Credit Requirement for a Minor in Philosophy** | 18 cr

Students who wish to minor in Philosophy must contact the Chair for advisement in choosing Philosophy courses pertinent to the student’s major field of study.
PROGRAM IN COACHING CERTIFICATION FOR NEW YORK STATE

A ruling by the New York State Board of Regents requires that all public school coaches must be certified by an approved program of certification or be a certified teacher of Physical Education.

Marist has been approved as a certifying institution and is providing the courses leading to coaching certification in New York State.

The course areas offered are mandated by the state and fall into three basic areas:

1. Philosophy, principles, and organizations; students must take PHED 410, Principles and Problems of Coaching.
2. Health Sciences applied to coaching:
   a. Students must take either PHED 401 (Movement in Sports) or HLTH 300 (Kinesiology)
   b. Students must take either PHED 305 (First Aid & Care of Injuries) or HLTH 202 (First Aid/CPR)
3. Theory and techniques courses in coaching: students must take one two-credit course chosen from the following, not all of which are offered every year:
   PHED 310 Soccer Coaching
   PHED 311 Basketball Coaching
   PHED 313 Baseball Coaching
   PHED 314 Football Coaching

Upon completion of all of these courses, it is the student's responsibility to contact the New York State Education Department to apply for a certificate, which is not issued by Marist College. It is also the student's responsibility to take appropriate steps to renew the certificate every three years.

Please refer to the following websites for information about contacting the New York State Education Department:


REQUIREMENTS FOR A BACHELOR OF ARTS IN POLITICAL SCIENCE

Note: A minimum of 90 credits in Liberal Arts is required. No more than eight credits in POSC Internship may be used to fulfill major field requirements.

1.0 Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>POSC 101 Political Issues &amp; Ideas</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 110 American National Government</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 235 Scope and Methods of Political Analysis</td>
<td>4 cr</td>
</tr>
<tr>
<td>POSC 232 Classical Political Thought OR</td>
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</tr>
<tr>
<td>POSC 233 Modern Political Thought OR</td>
<td></td>
</tr>
<tr>
<td>POSC 243 Contemporary Ideologies</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 273 International Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 251 Comparative Politics of Western Europe OR</td>
<td></td>
</tr>
<tr>
<td>POSC 252 Comparative Politics of Russia/Eastern Europe OR</td>
<td></td>
</tr>
<tr>
<td>POSC 255 Political Economy: The Rise of the Asia-Pacific OR</td>
<td></td>
</tr>
<tr>
<td>POSC 260 Comparative Politics of Africa OR</td>
<td></td>
</tr>
<tr>
<td>POSC 271 Nationalism and Communism in China and Taiwan OR</td>
<td></td>
</tr>
</tbody>
</table>
146 Political Science

POSC 350 Comparative Politics of Latin America OR
POSC 353 Comparative Politics of Developing Areas OR
POSC 355 Comparative Politics of the Middle East 3 cr
ECON 104 Principles of Macroeconomics OR
ECON 150 Economics of Social Issues 3 cr
CSIS 103 Information & Computer Literacy 3 cr
POSC 477 Capping Course 3 cr

28 cr

2.0 Approved Tracks

PUBLIC-AFFAIRS TRACK
Five additional POSC courses 15 cr
(no more than eight credits in POSC internship may be applied here)
Two courses beyond Core/LS requirements
From: Cultural Anthropology, ECON, SOC, BUS, ENSC, HIST, or POSC 6 cr

Total Public-Affairs Track 21 cr

INTERNATIONAL-STUDIES TRACK
POSC 372 International Law and Organization 3 cr
POSC 213 Politics of Human Rights OR
POSC 280 ICONS: International Communication and Negotiation 3 cr
Two additional comparative courses 6 cr
POSC 243 Contemporary Ideologies 3 cr
Two courses beyond Core/LS requirements chosen from:
ANTH 102 Intro to Anthropology II
ECON 442 International Economics
REST 209 World Religions
Culture/Civilization courses from FREN, ITAL, RUSS, SPAN, JPN, GERM 6 cr
One non-Western history course beyond Core/LS 3 cr
Foreign-language proficiency, Marist Abroad, or international experience highly recommended

Total International-Studies Track 24 cr

Total Credit Requirement for a Major in Political Science 49-52 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
Philosophy/Ethics 6 cr
Writing 3-6 cr
9-12 cr

3.2 DISTRIBUTION*
Fine Arts 3 cr
History 6 cr
Literature 6 cr
Mathematics 6 cr
Natural Science 6 cr
Philosophy/Religious Studies 3 cr
Social Science 0 cr (fulfilled by major field req.) 30 cr

Total Core/Liberal Studies Requirement 39-42 cr

4.0 Electives 26-32 cr

Total Credit Requirement for Graduation 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.
REQUIREMENTS FOR A MINOR IN POLITICAL SCIENCE

Introductory-Level Course:
- POSC 101 Political Issues & Ideas 3 cr

Upper-Level Courses:
One POSC course from the following:
- POSC 110 American National Government
- POSC 210 Issues in American Constitutional Law
- POSC 211 American State and Urban Politics
- POSC 212 Political Parties and Pressure Groups
- POSC 312 History of the American Presidency 3 cr

One POSC course from the following:
- POSC 251 Comparative Politics of Western Europe
- POSC 252 Comparative Politics of Russia/Eastern Europe
- POSC 255 Political Economy: The Rise of the Asia/Pacific
- POSC 260 Comparative Politics of Africa
- POSC 271 Nationalism and Communism in China and Taiwan
- POSC 273 International Politics
- POSC 280 ICONS: International Communication and Negotiation
- POSC 350 Comparative Politics of Latin America
- POSC 353 Comparative Politics of Developing Areas
- POSC 355 Comparative Politics of the Middle East
- POSC 372 International Law and Organization 3 cr

One POSC course from the following:
- POSC 232 Classical Political Thought
- POSC 233 Modern Political Thought
- POSC 243 Contemporary Ideologies 3 cr

Three Elective Courses in Political Science 9 cr

Total Credit Requirement for a Minor in Political Science 21 cr

OPTIONS FOR POLITICAL SCIENCE MAJORS

Marist Abroad Program – contact Director
Legislative Internship – see Political Science Internship Coordinator
Paralegal Certificate Program – see page 140
Participation in Marist Poll – see page 145
Public Administration Concentration – see page 153
Teacher Education Program – see page 98
Participation in Washington or Albany Semester Program – see Political Science Internship Coordinator
Public Opinion Concentration – see page 154

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN POLITICAL SCIENCE

(Public-Affairs Track: Consult with Advisors for International Track)

FRESHMAN YEAR

FA LL
- Core/LS PHIL 101 OR 3 cr
  - CSIS 103 Information & Computer Literacy
  - Core/LS Writing
  - POSC 101
  - Core/LS
  - Core/LS Math or Language 3 cr

SPRING
- Core/LS Science 3 cr
- Core/LS Literature 3 cr
- Core/LS History or Elective 3 cr
- POSC American or International (Maj) 3 cr
- ECON 104 or 150 3 cr

SO PHOMORE YEAR

FA LL
- Core/LS Science 3 cr
- Core/LS Literature 3 cr
- Core/LS History or Elective 3 cr
- POSC American or International (Maj) 3 cr
- ECON 104 or 150 3 cr

SPRING
- Core/LS Science 3 cr
- Core/LS Literature 3 cr
- Core/LS History or Elective 3 cr
- POSC Scope and Meth Pol Analysis 4 cr
- Elective 3 cr

Political Science 147
### JUNIOR YEAR
#### FALL
- Core/LS PHIL/REST or Elective: 3 cr
- Core/LS Fine Arts or Elective: 3 cr
- POSC Comparative Politics Course: 3 cr
- POSC Political Thought: 3 cr
- Elective: 3 cr
- **Total Credits:** 15 cr

#### SPRING
- Core/LS PHIL/REST or Elective: 3 cr
- Core/LS Fine Arts or Elective: 3 cr
- Core/LS Ethics: 3 cr
- POSC Political Thought: 3 cr
- Elective: 3 cr
- **Total Credits:** 15 cr

#### SENIOR YEAR
#### FALL
- POSC 477 Capping Course or Elective: 3 cr
- POSC Elective or Internship: 3 cr
- POSC Elective or Internship: 3 cr
- POSC Major: 3 cr
- Elective: 3 cr
- **Total Credits:** 15 cr

#### SPRING
- POSC Major: 3 cr
- Elective: 3 cr
- Elective: 2 cr
- POSC 477 Capping Course or Elective: 3 cr
- **Total Credits:** 14 cr

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### RECOMMENDED PRE-LAW SEQUENCE FOR A BACHELOR OF ARTS IN POLITICAL SCIENCE

#### FRESHMAN YEAR
#### FALL
- Core/LS PHIL 101 OR CSIS 103 Information & Computer Literacy: 3 cr
- Core/LS Writing: 3 cr
- POSC 101: 3 cr
- Core/LS or Elective: 3 cr
- Core/LS Math or Language: 3 cr
- **Total Credits:** 15 cr

#### SPRING
- CSIS 103 Information & Computer Literacy OR Core/LS PHIL 101: 3 cr
- Core/LS Writing or Elective: 3 cr
- Core/LS or Elective: 3 cr
- Core/LS Math or Language: 3 cr
- POSC American or International Politics: 3 cr
- **Total Credits:** 15 cr

#### SOPHOMORE YEAR
#### FALL
- Core/LS Science: 3 cr
- Core/LS Literature: 3 cr
- POSC International: 3 cr
- Core/LS History or Elective: 3 cr
- ECON 104 Principles of Macroeconomics: 3 cr
- **Total Credits:** 15 cr

#### SPRING
- Core/LS Science: 3 cr
- Core/LS Literature: 3 cr
- POSC Scope and Method Pol Anal: 4 cr
- Core/LS History or Elective: 3 cr
- ECON 103 Principles of Microeconomics: 3 cr
- **Total Credits:** 16 cr

#### JUNIOR YEAR
#### FALL
- Core/LS PHIL/REST or Elective (Logic recommended): 3 cr
- POSC Comparative: 3 cr
- POSC Pol Thought: 3 cr
- Elective (Bus or Acct): 3 cr
- Core/LS Fine Arts or Elective: 3 cr
- **Total Credits:** 15 cr

#### SPRING
- Core/LS PHIL/REST or Elective (Logic recommended): 3 cr
- POSC Pol Thought: 3 cr
- Core/LS Ethics: 3 cr
- Elective (Bus or Acct): 3 cr
- Core/LS Fine Arts or Elective: 3 cr
- **Total Credits:** 15 cr

#### SENIOR YEAR
#### FALL
- POSC 477 Capping Course or Elective: 3 cr
- POSC Major: 3 cr
- Elective: 3 cr
- Elective: 3 cr
- Elective: 3 cr
- **Total Credits:** 15 cr

#### SPRING
- POSC Major: 3 cr
- Elective POSC Internship: 3 cr
- Elective POSC Internship: 3 cr
- Elective: 2 cr
- POSC 477 Capping Course or Elective: 3 cr
- **Total Credits:** 14 cr

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### PSYCHOLOGY

**LINDA DUNLAP, Ph.D., Chairperson**

**MISSION:**
The psychology major at Marist provides a rich and rewarding educational experience within a strong liberal arts tradition. The major focuses on the psychology curriculum stresses personal development and the development of a world view grounded in a deep sense of personal values. The basis for this development is drawn from the literature of psychology itself and its integration with contributions from other disciplines such as philosophy, natural science, literature, and sociology. Psychology courses stress psychological theory as well as the application of psychological principles. The range of application varies from experience in a psychological research course, where students actually conduct research, to lifespan development courses, where students can see the relevance of applying principles of development in their own lives.

As students become familiar with the psychological literature and its applications, they develop a professional orientation that prepares them for entry-level jobs in the field and acceptance to graduate schools in psychology. This professional orientation is highlighted through a field/service learning experience that takes place
Psychology majors have the opportunity to participate in a teacher certification program, which integrates a strong professional studies sequence in Childhood Education/Students with Disabilities (1–6) with their academic major and the Core/Liberal Studies program.

Graduates of this program earn a B.A. Degree in Psychology and complete requirements for dual initial teaching certification. Freshman psychology majors interested in pursuing this option should contact the Department of Education, Dyson 388. Information about the major requirements, Core/Liberal Studies requirements, and required courses in the certification sequence can be found in the Education Department section of the catalog.

Double Major in Psychology and Criminal Justice
It is possible for students who plan carefully early in their college careers to double major in Psychology and Criminal Justice. To pursue this option students should contact the Chair of Psychology or Criminal Justice.

**REQUIREMENTS FOR A BACHELOR OF ARTS IN PSYCHOLOGY**

Note: A minimum of 90 credits in Liberal Arts is required.

1.0 Course Requirements in Psychology
   - PSYC 101 Intro to Psychology 3 cr
   - PSYC 200 Psychology Seminar 1 cr
   - PSYC 301 Biopsychology AND Lab OR PSYC 302, 303, 304, or 305 4 cr
   - PSYC 350 Psych Research Methodology AND Lab I 4 cr
   - PSYC 351 Psych Research Methodology AND Lab II 4 cr
   - PSYC 309 Ethics & Professional Issues 1 cr
   - PSYC 311 Principles of Psychological Testing 3 cr
   - PSYC 478 Capping Course 3 cr
   - 23 cr

1.1 Three additional PSYC Courses selected from among all other psychology courses offered.* 9 cr
   (can be used to complete a concentration)

1.2 PSYC 487-491 Fieldwork/Service Learning 6–15 cr
   - 15–24 cr

2.0 Course Requirements in Related Fields
   - CSIS 103 Information & Computer Literacy 3 cr
   - MATH 130 Intro to Statistics 3 cr
   - 6 cr

Total Credit Requirement for a Major in Psychology 44-53 cr

*A full-time psychology major must take a psychology course every semester.

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
   - Philosophy/Ethics 6 cr
   - Writing 3-6 cr
   - 9-12 cr

3.2 DISTRIBUTION*
   - Natural Science 6 cr
   - Social Science 0 cr (fulfilled by major field req.)
   - History 6 cr
   - Literature 6 cr
RECOMMENDED PROGRAM SEQUENCE FOR PSYCHOLOGY MAJORS

FRESHMAN YEAR
FALL
PSYC 101 Introduction to Psychology 3 cr
PHIL 101 Introduction to Philosophy 3 cr
MATH 130 Introduction to Statistics 3 cr
ENG 116 College Writing I 3 cr
CSIS 103 Information Literacy 3 cr
Core/LS 15 cr
SPRING
PSYC 200 Psychology Seminar 1 cr
ENG 117 College Writing II 3 cr
Psychology Elective ** 3 cr
Core/LS Fine Arts 3 cr
Core/LS History 3 cr
Total 16 cr

SOPHOMORE YEAR
FALL
PSYC 350 Psychology Research Methodology & Lab I 4 cr
Psychology Elective 3 cr
Core/LS Literature 3 cr
Core/LS Science 3 cr
Core/LS Phil/Rest 3 cr
16 cr
SPRING
PSYC 351 Psychology Research Methodology & Lab II 4 cr
Core/LS History 3 cr
Core/LS Literature 3 cr
Core/LS Science 3 cr
Core/LS Literature 3 cr
16 cr

JUNIOR YEAR
FALL
PSYC 311 Principles of Psychological Testing 3 cr
PSYC 309 Ethics and Professional Issues 1 cr
General Electives 12 cr
16 cr
SPRING
PSYC 301 (or 302, 303, 304, 305) 4 cr
Biopsychology 4 cr
General Elective 12 cr
16 cr

SENIOR YEAR
FALL
PSYC 478 Psychological Systems 3 cr
General Electives 9-12 cr
12-15 cr
SPRING
PSYC 487-491 Field/Service Learning*** 6-15 cr
General Electives 0-9 cr
12-15 cr

* General electives may be used to complete minors or concentrations in other programs. Many options are available and many complement the psychology major. General electives may also be used to deepen an area of concentration in the study of psychology.

** Students are required to take nine credits in psychology courses beyond those courses required to complete the major. Students must also take a psychology course every semester that can be either a required psychology course or an elective psychology course.

*** Students must take between the minimum six credits and the maximum 15 credits of Fieldwork/Service Learning. This can be spread across as many as three semesters. No more than three credits can be taken prior to the senior year.

REQUIREMENTS FOR A MINOR IN PSYCHOLOGY

PSYC 101 Intro to Psychology 3 cr
Any three additional PSYC courses 9 cr
Total Credit Requirement for a Minor in Psychology 12 cr

REQUIREMENTS FOR THE FIVE-YEAR B.A.-M.A. PROGRAM IN PSYCHOLOGY

1.0 Undergraduate Course Requirements in Psychology
PSYC 101 Intro to Psychology 3 cr
PSYC 200 Psychology Seminar 1 cr
PSYC 301 Biopsychology AND Lab OR PSYC 302, 303, 304, or 305 4 cr
PSYC 350 Psysc Research Methodology AND Lab I 4 cr
PSYC 351 Psych Research Methodology AND Lab II 4 cr
PSYC 309 Ethics and Professional Issues 1 cr
PSYC 311 Principles of Psychological Testing 3 cr
PSYC 478 Capping Course 3 cr

1.1 Three PSYC electives drawn from any of the PSYC listings in the catalog. Students should NOT take PSYC 203 Theories of Personality at the undergraduate level. Note that a psychology course must be taken in every full-time semester.

1.2 PSYC 487-491 Field/Service Learning 6-15 cr
15-24 cr

2.0 Course Requirements in Related Fields
- CSIS 103 Information & Computer Literacy 3 cr
- MATH 130 Intro to Statistics 3 cr

Total Undergraduate Psychology Credits 44-53 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
- Philosophy/Ethics 6 cr
- Writing 3-6 cr

3.2 DISTRIBUTION*
- Natural Science 6 cr
- Social Science 0 cr (fulfilled by major field req.)
- History 6 cr
- Literature 6 cr
- Mathematics 3 cr
- Fine Arts 3 cr
- Philosophy/Religious Studies 3 cr

27 cr

Total Core/Liberal Studies Requirement 36-39 cr

4.0 General Electives 13-25 cr

5.0 Five PSYG Graduate courses with advisement from M.A. Program Director 15 cr

Total Four-Year Credit Requirement 120 cr

* Students are encouraged to take intermediate foreign-language or culture courses, which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

6.0 Fifth Year GRADUATE COURSES: Consult the M.A. Psychology Program Director for details

Total Graduate Credits, Fifth Year 24 cr

Total Credit Requirement for Completing Five-Year B.A.-M.A. Program 144 cr

RECOMMENDED PROGRAM SEQUENCE FOR PSYCHOLOGY MAJORS PURSUING DUAL CERTIFICATION IN CHILDHOOD EDUCATION/STUDENTS WITH DISABILITIES 1-6

FRESHMAN YEAR (Same for Fall or Spring Student Teaching)

FALL
- PSYC 101 Intro to Psychology AND 3 cr
- Core/LS OR
- EDUC 101 Foundations of Ed AND 3 cr
- EDUC 091 Fieldwork in Ed AND 3 cr
- EDUC 150 Learning through Tech 3 cr
- Core/LS PHIL 101 3 cr
- Foreign Language 3 cr
- Core/LS Writing 3 cr
- 15 cr

SPRING
- PSYC 101 Intro to Psychology AND 3 cr
- Core/LS OR
- EDUC 101 Foundations of Ed AND 3 cr
- EDUC 091 Fieldwork in Ed AND 3 cr
- EDUC 150 Learning through Tech 3 cr
- Core/LS PHIL 101 3 cr
- Foreign Language 3 cr
- Core/LS Writing OR Elective 3 cr
- Core/LS 3 cr
- Foreign Language 3 cr
- Core/LS 15 cr
OPTION I – FALL STUDENT TEACHING

SOPHOMORE YEAR

FALL
- MATH 130 Introductory Statistics I 3 cr
- PSYC 207 The Exceptional Child 3 cr
- PSYC 317 Child Development 3 cr
- Core/LS 3 cr
- Core/LS 3 cr
- 15 cr

JUNIOR YEAR

FALL
- PSYC 362 Measurement and Evaluation 3 cr
- PSYC 350 Psychological Research
  Methodology and Lab I 4 cr
- EDUC 351 Literacy Learning and the Arts
  in the Social Studies Curriculum 3 cr
- EDUC 373 Principles of Teaching Students
  with Special Needs 3 cr
- EDUC 374 Curriculum Strategies for
  Students with Special Needs 3 cr
- 16 cr

SENIOR YEAR

FALL
- EDUC 462 Student Teaching 12 cr
- PSYC 479 Educational Psychology Seminar 1 cr
- 13 cr

OPTION II – SPRING STUDENT TEACHING

SOPHOMORE YEAR

FALL
- MATH 130 Introductory Statistics I 3 cr
- PSYC 372 Psychoeducational Assessment of Educational Disabilities 3 cr
- PSYC 301(or 302, 303, 304 or 305) Biopsychology & Lab 4 cr
- HIST 218 History and Culture of the Mid-Hudson Valley 3 cr
- Core/LS 3 cr
- 16 cr

JUNIOR YEAR

FALL
- PSYC 362 Measurement and Evaluation 3 cr
- EDUC 241 Math for Elem Teach: Content/
  Methodology for General/Special Ed 3 cr
- EDUC 242 Science for Elem Teach: Content/
  Methodology for General/Special Ed 3 cr
- EDUC 350 The Teaching of Language Arts 3 cr
- Core/LS PHIL 300 3 cr
- 15 cr

SENIOR YEAR

FALL
- PSYC 478 Capping Course/Psychological Systems 3 cr
- EDUC 352 Assessment and Remediation of Reading and Writing 3 cr
- EDUC 376 Behavior Management Strategies 3 cr
- Core/LS 3 cr
- 13 cr
Marist College currently offers both a graduate program leading to a Masters Degree in Public Administration and an undergraduate concentration, available to students regardless of their major field of study. The undergraduate concentration is interdisciplinary, drawing from political science, business, economics, mathematics, and computer science. It provides students with a professional education in management, emphasizing the quantitative and qualitative techniques of analysis necessary for a successful career in government and not-for-profit organizations. A Five-Year B.A.-M.P.A. program is available for qualified students. See Director for more information.

REQUIREMENTS FOR A CONCENTRATION IN PUBLIC ADMINISTRATION

Depending upon a student’s major field of study, the courses remaining to complete the concentration vary. This is because students complete some of this interdisciplinary concentration in the process of fulfilling their major field requirements. Check with the Program Director for advisement.

CONCENTRATION REQUIREMENTS

All students must take:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSC 283 Public Administration</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 104 Principles of Macroecon OR</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 103 Principles of Microecon</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSIS 103 Information &amp; Computer Literacy</td>
<td>3 cr</td>
</tr>
<tr>
<td>MATH 130 Intro to Statistics I</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 421 Public Finance</td>
<td>3 cr</td>
</tr>
<tr>
<td>ACCT 451 Govt and Fiscal Control</td>
<td>3 cr</td>
</tr>
<tr>
<td>BUS 100 Intro to Bus and Management</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Total Credit requirements: 21 cr

Additional Requirements:

POLITICAL SCIENCE MAJORS
As part of major field electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSC 240 Intro to Public Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 301 Program Planning and Evaluation</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Total Credit Requirements: 6 cr

OTHER MAJORS

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSC 110 American Natl Govt OR</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 211 Amer State and Urban Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 240 Intro to Public Policy OR</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 301 Program Planning and Evaluation</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

Total Credit Requirements: 6 cr

All other majors MUST check with the Program Director for additional course requirements.

PUBLIC HISTORY CONCENTRATION

Public History has been described as “The doing of historical research for a client or employer.” The usual purpose of the client is to bring historical research techniques and historical perspectives to bear upon a practical problem as part of a planning process. Marist College is among the first undergraduate colleges to initiate a concentration in Public History.

REQUIREMENTS FOR A CONCENTRATION IN PUBLIC HISTORY

1.0  HIST 305 Research Methods of History 3 cr
    Any two, three-credit courses in American History 6 cr
    HIST 413 F.D.R. Seminar OR 3 cr
    HIST 477 Capping Course
    Public History Internship 6-12 cr

Total Requirement for a Concentration in Public History 18-21 cr

2.0  Recommended Course: POSC 283 Public Administration 3 cr
MARSTON CONCENTRATION

LEE M. MIRINGOFF, Ph.D., Director, Marist Institute for Public Opinion

Marist College offers an undergraduate concentration in Public Opinion. Associated with the activities of the Marist Institute for Public Opinion, the concentration provides students with the opportunity to enhance their understanding of the research methods associated with the measurement of public opinion, the processes involved with its communication, and the impact of public opinion upon society. Students learn the various aspects of conducting public opinion research, the broader theoretical contexts that guide public opinion research, and current values issues in the field.

REQUIREMENTS FOR A CONCENTRATION IN PUBLIC OPINION

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 130</td>
<td>Intro to Statistics I</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 110</td>
<td>American Nat’l Govt</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 211</td>
<td>Amer State and Urban Politics OR</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 212</td>
<td>Political Parties and Pressure Groups</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 338</td>
<td>Political Communication and Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 339</td>
<td>Public Opinion and Politics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 342</td>
<td>Survey Res and Political Data Anal</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 235</td>
<td>Scope and Methods of Political Anal</td>
<td>4 cr</td>
</tr>
</tbody>
</table>

Total Credit Requirement for a Concentration in Public Opinion: 22 cr

PUBLIC PRAXIS MINOR

MAR PETER-RAOUL, Ph.D., Coordinator

Projectkeepers:
- Mar Peter-Raoul, Ph.D., Humanities
- Bruce Luske, Ph.D., Social and Behavioral Science

As an academic response to the social disintegration characterizing much of present public life, the Department of Philosophy and Religious Studies together with the Department of Sociology has established an interdisciplinary Minor in Public Praxis. With a view to fully engaged learning and with a commitment to social transformation, the Minor requires students to integrate on-site experience, scholarship, critical reflection, and rigorous analysis (social, ethical, political, economic, religious).

Courses listed below must be chosen from among praxis-oriented sections. Additional praxis-oriented courses are offered each semester (see Projectkeepers for current listings).

Public Praxis
- REST 320 Public Praxis I 3 cr
- REST 325 Public Praxis II 3 cr

Human Rights
- One from the following: 3 cr
  - POSC 213 Politics of Human Rights
  - PHIL 300 Ethics
  - REST 225 Global Liberation Theology

Affluence and Poverty
- Two from the following: 6 cr
  - CRJU 221 Law and Society
  - CRJU 314 U.S. Urban Cultures
  - ECON 310 Labor Economics
  - ECON 442 International Economics
  - ENSC 202 Political Process and Environment
  - ENSC 305 Environmental Economics
  - FCSP 154 Civilization: Hispanics in the United States
  - HIST 216 Black Political and Social Thought
  - HIST 234 The Black American Experience
  - POSC 211 American State and Urban Politics
  - POSC 240 Intro to Public Policy
  - POSC 273 International Politics
  - POSC 338 Political Communication and Politics
  - POSC 353 Comparative Politics of Developing Areas
  - REST 230 Religion and Politics
  - REST 231 Social Ethics and Economics
  - SOC 101 Intro to Sociology
  - SOC 220 Sociology of Religion
  - SOC 336 Social Inequality
  - SOC 341 Social Change

154 Public Opinion / Public Praxis
Human Values and Choice
Two from the following:
- COM 203 Interpersonal Communication
- ENG 373 Literature of the Holocaust
- INTD 212 Self, Society, and Institution
- PHIL 103 World Views and Values
- PHIL 242 Philosophy and Human Experience
- PSYC 220 Social Psychology
- PSYC 222 Community Psychology
- REST 208 Judeo-Christian Scriptures
- REST 330 Religion in Contemporary Life
- REST 335 Marriage and Family

Total Credit Requirement for a Minor in Public Praxis 21 cr

RELIGIOUS STUDIES MINOR

REQUIREMENTS FOR A MINOR IN RELIGIOUS STUDIES
Two introductory courses selected from the following: 6 cr
- REST 201 Religion in America
- REST 207 Intro to Religion
- REST 208 Judeo-Christian Scriptures

Four other REST courses 12 cr

Total Credit Requirement for a Minor in Religious Studies 18 cr

The student is required to select a member of the Department of Religious Studies to serve as his or her advisor and to obtain the approval of the Dean for the choice. The advisor will guide the student in the selection of courses and pursuit of the plan of study.

SOCIOLOGY AND SOCIAL WORK

DARIA V. HANSEN, Ph.D., LCSW, Chairperson

MISSION:
The Social Work Program prepares graduates for competent, ethical, professional generalist practice grounded in the history and values of the profession. A dynamic and comprehensive program enables students to integrate and apply social work knowledge, values, and skills as professional generalist practitioners to enhance human well-being in the social context. A Bachelor of Science degree in Social Work is awarded to those students who adequately fulfill the requirements of the major in addition to all the college-wide curriculum requirements. The Program of Study leading to the Bachelor of Science degree in Social Work is accredited by the Commission on Accreditation of the Council on Social Work Education.

In order to accomplish the degree, the social work major builds on a strong liberal arts foundation to assist students in understanding the world and their role in it. Human values, personal values, and professional values are studied and refined so students may form an appropriate values context for professional practice. Courses in sociology and in other behavioral and social sciences provide students with a foundation for understanding human behavior in the social environment. Social Work courses provide relevant theoretical perspectives for beginning generalist practice. Field education is distributed throughout the program and culminates in an in-depth practicum during the senior year. All field education activities take place within local social service agencies.

Advisement is provided throughout the program. Advisement plays a critical role, particularly in readying students for thresholds within the major and in evaluating their performance as potential social workers.

Minors are available in Social Work and Sociology. The Social Work minor consists of 15 credits and the Sociology minor requires 18 credits. Students should contact the Social Work Program Director to select the appropriate sequence of required and elective courses. Students are advised that the minors in Social Work and Sociology are not accredited by the Commission on Accreditation of the Council on Social Work Education. For further information please refer to the Social Work Program website: www.marist.edu/sbs.social/.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN SOCIAL WORK

Note: A minimum of 60 credits in Liberal Arts is required.

1.0 Course Requirements in Sociology and Social Work
ALL of the following courses in Sociology:
- SOC 101 Intro to Sociology 3 cr
- SOC 336 Social Inequality 3 cr
- SOC 341 Social Change 3 cr
- SOC 440 Social Theory 3 cr
- SOC 480 Social Research Methods 3 cr

ALL of the following courses in Social Work:
- SOCW 230 Intro to Social Work 3 cr
- SOCW 330 Social Service: Theory and Practice 3 cr
- SOCW 344 Social Welfare: Policies and Analysis 3 cr
- SOCW 345 Human Behavior in the Social Environment 3 cr
SOCW 383 Social Work Methods I  
SOCW 382 Junior Field Education  
SOCW 395 Social Work with Diverse Populations  
SOCW 475 Social Work Methods II  
SOCW 477 Capping Course/Senior Integrative Seminar I  
SOCW 482 Practicum in Social Work I  
SOCW 483 Practicum in Social Work II  

**Credit Requirement in Sociology and Social Work**  
51 cr

### 2.0 Course Requirements in Related Fields

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101 Introduction to Psychology</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 150 Economics of Social Issues OR</td>
<td></td>
</tr>
<tr>
<td>ECON 104 Principles of Macroeconomics</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 101 Political Issues and Ideas OR</td>
<td></td>
</tr>
<tr>
<td>POSC 110 American National Government</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOL 101 Topics in Biology OR</td>
<td></td>
</tr>
<tr>
<td>BIOL 237 Human Biology</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Credit Requirement in Related Fields**  
12 cr

### Total Credit Requirement for a Major in Social Work

63 cr

#### 3.0 Core/Liberal Studies Requirements

**3.1 FOUNDATION**

<table>
<thead>
<tr>
<th>Category</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy/Ethics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Writing</td>
<td>3-6 cr</td>
</tr>
<tr>
<td></td>
<td>9-12 cr</td>
</tr>
</tbody>
</table>

**3.2 DISTRIBUTION***

<table>
<thead>
<tr>
<th>Category</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>Social Science</td>
<td>0 cr</td>
</tr>
<tr>
<td>(fulfilled by major field req.)</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>6 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>6 cr</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6 cr</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3 cr</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>27 cr</td>
</tr>
</tbody>
</table>

**Total Core/Liberal Studies Requirement**  
36-39 cr

**4.0 Electives**  
18-21 cr

**Total Credit Requirement for Graduation**  
120 cr

5.0 The student must obtain a grade of C or better in all sociology and social-work courses required for the major in social work.

* Students are encouraged to take intermediate foreign-language or culture courses which may be used as substitutes for the second course in certain areas. See Core/Liberal Studies Curriculum description of foreign-language option in catalog.

### RECOMMENDED PROGRAM SEQUENCE FOR A SOCIAL WORK MAJOR

#### FRESHMAN YEAR

**FALL**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 101 Intro to Sociology</td>
<td>3 cr</td>
</tr>
<tr>
<td>BIOL 101 Topics in Biology OR</td>
<td></td>
</tr>
<tr>
<td>BIOL 237 Human Biology</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS PHIL 101</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>General Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td><a href="#">15 cr</a></td>
<td></td>
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</table>

**SPRING**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 101 Intro to Psychology</td>
<td>3 cr</td>
</tr>
<tr>
<td>CSIS 103 Information &amp; Computer Literacy (rec.)</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Fine Arts</td>
<td>3 cr</td>
</tr>
<tr>
<td>General Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td><a href="#">15 cr</a></td>
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</table>

#### SOPHOMORE YEAR

**FALL**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>SOCW 230 Intro to Social Work</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 104 Principles of Econ OR</td>
<td></td>
</tr>
<tr>
<td>ECON 150 Economics of Social Issues</td>
<td>3 cr</td>
</tr>
<tr>
<td>POSC 101 Political Issues &amp; Ideas OR</td>
<td></td>
</tr>
<tr>
<td>POSC 110 American Nat’l Gov’t</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Math</td>
<td>3 cr</td>
</tr>
<tr>
<td><a href="#">15 cr</a></td>
<td></td>
</tr>
</tbody>
</table>

**SPRING (Recommended semester for Study Abroad)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core/LS Natural Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Math</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Literature</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Philosophy and Religion</td>
<td>3 cr</td>
</tr>
<tr>
<td>General Elective</td>
<td>3 cr</td>
</tr>
<tr>
<td>(SOC/SOCW Elective recommended)</td>
<td></td>
</tr>
</tbody>
</table>
Spanish

KEVIN M. GAUGLER, Ph.D., Chairperson

MISSION:
Communication through language is at the core of human experience, and the study of a foreign language provides a powerful key to successful interaction. The ability to communicate efficiently and sensitively in another language with people of different cultural backgrounds can only enhance one’s professional advancement in any career. The Department of Modern Languages aims to enrich students’ education by helping them gain a rich preparation for the future through the support of global studies, teacher education, international tracks in other disciplines and, in general, career opportunities in key areas of domestic and international service where knowledge of a foreign language facilitates and increases the level of success.

The Spanish area of the division affords the serious student of a foreign language the following special academic programs:

1. The Marist Abroad Program, featuring individual placement, generally during the junior year, in Madrid, Quito, or Monterrey.
2. Bilingual Education concentration.
4. Latin American Studies program.

The major outcome of a modern language education is greater self-awareness and an increased understanding of and ability to communicate with people of different cultural backgrounds. In addition, career opportunities in many key areas of domestic and international services are enhanced for the person proficient in a modern language.

Students may apply two language courses at the intermediate level or above as well as a civilization/culture course and two Foreign Language literature courses toward fulfilling the distributive Core/LS requirements. This arrangement facilitates, with proper planning and early implementation, a double major (or minor) with other disciplines such as Political Science, Communications, Criminal Justice, and other majors.

Spanish Majors are urged to spend two semesters abroad in a Spanish-speaking country, but are limited to no more than two semesters and twelve or fifteen credits in the major, according to the chosen track.
REQUIREMENTS FOR A BACHELOR OF ARTS IN SPANISH

Note: A minimum of 90 credits in Liberal Arts is required.

A. Regular Track

1.0 Course Requirements in Spanish
   SPAN 250 Hispanic Civilization: Spain 3 cr
   SPAN 260 Hispanic Civilization: Latin America 3 cr
   SPAN 354 Civilization: Los hispanos en los Estados Unidos 3 cr
   SPAN 315 The Experience of Hispanic Literature 3 cr
   SPAN 477 Capping Course 3 cr
   Additional upper-level Spanish language or literature courses. 21 cr
   In this group only two language courses at the 200 level.
   NOTE: Internships carry elective credits and will not fulfill the above requirements.

Credit Requirement in Spanish, Regular Track 36 cr

B. Native Speakers’ Track

1.0 Course Requirements in Spanish
   SPAN 210* Spanish for Hispanics I 3 cr
   SPAN 211* Spanish for Hispanics II 3 cr
   SPAN 312 Spanish for Hispanics III 3 cr
   SPAN 250 Hispanic Civilization: Spain 3 cr
   SPAN 260 Hispanic Civilization: Latin America 3 cr
   SPAN 354 Civilization: Los hispanos en los Estados Unidos 3 cr
   SPAN 315 The Experience of Hispanic Literature 3 cr
   SPAN 477 Capping Course 3 cr
   Additional upper-level Spanish language or literature courses 12-18 cr
   Courses closed to Native Speakers are the following, which cannot be used to fulfill major requirements unless approved by the chair of Modern Languages:
   SPAN 101-102 Elementary Spanish I-II
   SPAN 105-106 Intermediate Spanish I-II
   SPAN 201-202 Spanish Composition and Conversation I-II
   SPAN 281-282 Conversation and Culture I-II
   SPAN 360-361 Composition and Conversation I-II

Credit Requirement in Spanish, Native Speakers’ Track 36 cr

* A prepared student may be excused from the course and replace it with an upper-level literature course.

C. Regular Track–Double Major

1.0 Course Requirements in Spanish
   SPAN 250 Hispanic Civilization: Spain 3 cr
   SPAN 260 Hispanic Civilization: Latin America 3 cr
   SPAN 354 Civilization: Los hispanos en los Estados Unidos 3 cr
   SPAN 315 The Experience of Hispanic Literature 3 cr
   SPAN 477 Capping Course 3 cr
   Additional upper-level Spanish language or literature courses 15 cr

Credit Requirement in Spanish, Regular Track–Double Major 30 cr

D. Native Speakers’ Track–Double Major

1.0 The requirements are the same as in B. Native Speakers’ Track. 18-24 cr
   However, the number of additional upper-level
   Spanish language and literature courses is reduced to: 6-12 cr

Credit Requirement in Spanish, Native Speakers’ Track-Double Major 30 cr

Total Credit Requirement for a Major in Spanish 30-36 cr

The following pertains to all four tracks:

2.0 Course Requirements in Related Fields: None

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
   Philosophy/Ethics 6 cr
   Writing 3-6 cr
   9-12 cr

158 Spanish
3.2 DISTRIBUTION

<table>
<thead>
<tr>
<th>Natural Science</th>
<th>3 cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>6 cr</td>
</tr>
<tr>
<td>History</td>
<td>3 cr</td>
</tr>
<tr>
<td>Literature</td>
<td>0 cr (fulfilled by major field req.)</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3 cr</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3 cr</td>
</tr>
<tr>
<td>Philosophy/Religious Studies</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

21-27 cr

Total Core/Liberal Studies Requirement 30-39 cr

4.0 Electives: Tracks A and B 45-54 cr
Tracks C and D 51-60 cr

Total Credit Requirement for Graduation 120 cr

Note Well:
1. Spanish majors who are not fluent Spanish speakers are urged to spend two full semesters abroad in a Spanish-speaking country in order to develop fluency in the language.
2. STUDY ABROAD: Only 12 credits maximum accepted in Spanish for the Double Major; 15 credits for the regular track.
3. HIGHLY RECOMMENDED: Linguistics

REQUIREMENTS FOR NEW YORK STATE TEACHER CERTIFICATION IN ADOLESCENCE EDUCATION: SPANISH (GRADES 7-12)

Marist College offers a state-approved program leading to initial teacher certification in Adolescence Education: Spanish (Grades 7-12). Students seeking this certification are encouraged to consult with their academic advisor and the Coordinator of Adolescence Education in the Teacher Education Department. Because of the significant number of state certification requirements for this program, it is important that students seek such advisement early in their college careers, during the freshman year if possible. Education and related field requirements for Adolescence Education certification can be found on page 101 of this catalog.

REQUIREMENTS FOR A MINOR IN SPANISH LANGUAGE STUDIES

| Spanish Language: nine credits above the intermediate level* | 9 cr |
| Civilization: Spain and Latin America | 6 cr |
| Literature: One course selected with advisement | 3 cr |

TWELVE to FIFTEEN credits of the minor can also simultaneously fulfill the distribution requirements of Core/LS.

* SPAN 210-211 are required for Bilingual Hispanic students, but may be waived if the student has a solid background in Spanish.

Total Credit Requirement for a Minor in Spanish Language Studies 18 cr

REQUIREMENTS FOR BILINGUAL EDUCATION CONCENTRATION

1.0 EDUC 140 Intro to Bilingual Studies/TESL 3 cr
SPAN 153 The Civilization of Puerto Rico OR
SPAN 154 Civilization: Hispanics in the United States 3 cr

2.0 Optional: EDUC 441 Fieldwork in Bilingual Education/English as a Second Language 3 cr

Total Credit Requirement for Bilingual Education Concentration 6-9 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN SPANISH

* Regular Track (Track A)

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 201 or 281</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Writing</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS Soc Science</td>
<td>3 cr</td>
</tr>
<tr>
<td>Core/LS PHIL 101</td>
<td>3 cr</td>
</tr>
<tr>
<td>Elective or CSIS courses</td>
<td>3 cr</td>
</tr>
<tr>
<td></td>
<td>15 cr</td>
</tr>
</tbody>
</table>
SOPHOMORE YEAR

FALL
- SPAN 250 3 cr
- SPAN 360 or Literature 3 cr
- Core/LS Math 3 cr
- Elective 3 cr
- Elective 3 cr
  15 cr

SPRING
- SPAN 260 3 cr
- SPAN 315 3 cr
- Core/LS Natural Science 3 cr
- Elective 3 cr
- Elective 3 cr
  15 cr

JUNIOR YEAR (Marist Abroad Madrid)

FALL
- SPAN 290 3 cr
- Gramática avanzada 3 cr
- Core/LS Pintura en el Prado 3 cr
- Literatura 3 cr
- Elective 3 cr
  15 cr

SPRING
- Composición española 3 cr
- Literatura 3 cr
- Core/LS Social Science OR Elective 3 cr
- Core/LS Phil/Rel Study OR Elective 3 cr
- Literatura or Elective 3 cr
  15 cr

JUNIOR YEAR (On Campus)

FALL
- SPAN 360 OR 354 3 cr
- SPAN Literature 3 cr
- SPAN Elective or General Elective 3 cr
- Elective 3 cr
- Elective 3 cr
  15 cr

SPRING
- SPAN 361 or 415 3 cr
- SPAN Literature 3 cr
- SPAN Elective OR General Elective 3 cr
- Core/LS Phil/Rel Study 3 cr
- Elective 3 cr
  15 cr

SENIOR YEAR

FALL
- SPAN 354 OR Span Literature 3 cr
- Electives 12 cr
  15 cr

SPRING
- SPAN 477 Capping Course 3 cr
- PHIL 300 Ethics 3 cr
- Electives 9 cr
  15 cr

WOMEN’S STUDIES MINOR

JOANNE MYERS, Ph.D., Co-Director
ROBYN ROSEN, Ph.D., Co-Director

Women’s Studies is a multidisciplinary academic program that focuses on gender as a significant cultural and cognitive category. The minor in Women’s Studies exposes students to the intellectual, political, and aesthetic contributions of women to human culture, and examines how gender has influenced the lives, status, and opportunities of all people. Attention is paid to the ways in which gender intersects with race, class, and ethnicity to shape social structures and individual experiences. Courses provide students with a critical approach to the study of history, political science, literature, philosophy, religion, economics, communication, social sciences, the natural sciences, and management, incorporating scholarship on women, gender, and feminist theory. The program advances the Marist tradition of preparing students to develop a global perspective that recognizes and respects diversity.

Students are required to take an interdisciplinary Introduction to Women’s Studies course and five other courses distributed among at least two different disciplines for a total of 18 credits. Courses that may be applied to the minor include the following regular offerings, as well as designated special topics and cross-disciplinary courses.

For further information about Women’s Studies, please see one of the Co-Directors.

REQUIREMENTS FOR A MINOR IN WOMEN’S STUDIES

Hist 130 Introduction to Women’s Studies 3 cr
Five additional designated courses from at least two different disciplines 15 cr
  18 cr

Regular offerings (Please see appropriate discipline for full description.)
- COM 385 Women and Film
- COM 400 Gender and Communication
- ECON 200 Economics of Gender
- ENG 294 Literature and Gender
- HIST 230 History of American Feminism
- HIST 229 Emergence of Women in the West
- HIST 293 Women in Asia
- POSC 392 Feminist Political Thought
- PSY 206 Psycho-Biological Sex Differences

Other courses to be approved in advance by the Women’s Studies Steering Committee.