

PROGRAMS OF STUDY

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 which 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 crucial 21st-century skills including critical thinking, written exposition, public presentation, information literacy, and technological competency.

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 the liberal arts and sciences.

ACADEMIC FOUNDATION COURSES

The Foundation courses in the Core/Liberal Studies Program introduce students to the College as an intellectual community and instruct them in skills they will use throughout their undergraduate experience and beyond. The First Year Seminar introduces students to critical thinking, writing, public presentation, information literacy, and interdisciplinary study through exploration of a focused topic. The other required Foundation course, Writing for College, enables students to develop their ability to critically analyze and learn through writing. Students also learn methods of scholarly documentation and the organization and presentation of ideas. These skills are essential for success in academic and professional life. Each First Year Seminar and Writing for College course engages with one or more of the following themes central to liberal learning: Civic Engagement, Cultural Diversity, Nature & the Environment, and Quantitative Reasoning.

DISTRIBUTION COURSES

The Core/LS Program's distribution requirements introduce students to a broad range of disciplines and develop their ability to approach problems in an integrative manner. Breadth courses are content-based and emphasize an understanding of the skills, methodology, and ethical issues of each discipline. Philosophical Perspectives, a Breadth course taken by all students, enables students to examine basic philosophical questions concerning knowledge (epistemology), reality (metaphysics), and human values (ethics, political philosophy, aesthetics) essential to the College's curriculum as a whole. The 12-credit Pathway component of the distribution requirements offers students the opportunity to explore disparate approaches to a focused interdisciplinary topic.

SKILL REQUIREMENTS

In order to build on the skill instruction provided in the Foundation courses, the Core/LS Program requires that each student complete an "intensive" course in the following skill areas: writing, public presentation, and technological competency. These courses may overlap with courses taken for the Core/LS Program or in the major field of study.

CAPPING

The Capping course serves as a discipline-based culminating experience for a student's academic work. Often it also engages with professional issues related to academic majors. In keeping with the skill areas covered within the First Year Seminar, Capping courses require students to demonstrate their mastery of the following skills.

- Writing
- Public Presentation
- Information Literacy
- Critical Thinking

CORE/LS PROGRAM POLICIES

The Core/Liberal Studies Program outlined below is in effect for all incoming freshmen in Fall 2013 and afterward except students in the Professional Studies Major. Students who entered the College prior to Fall 2013 should consult earlier versions of the catalog. 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, the Core/Liberal Studies Capping Course requirements must be fulfilled at Marist College.

REQUIREMENTS IN CORE/LIBERAL STUDIES

CATEGORY 3.0

3.1 FOUNDATION

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	<u>3 cr</u>
	7 cr

On the basis of test scores and other evaluations, it may be recommended to some students that they first take ENG 119, Intermediate Writing for College, as preparation for ENG 120 Writing for College. Transfer students who have completed College Writing I and II or comparable composition courses with a C or better are exempt from ENG 120 Writing for College.

3.2 DISTRIBUTION

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. Courses may fulfill Core/LS requirements as well as requirements in a student’s major or minor areas.

Breadth	
Philosophy (PHIL 101 Philosophical Perspectives)	3 cr
Ethics, Applied Ethics, or Religious Studies	3 cr
Fine Arts	3 cr
History	3 cr
Literature	3 cr
Mathematics (see Mathematics placement recommendation)	3 cr
Natural Science	3 cr
Social Science	3 cr

Pathway* 12 cr

Courses addressing an interdisciplinary topic.

Students select one of the following Pathway topics:

- African Diaspora Studies
- American Studies
- Catholic Studies
- Cognitive Studies
- Contemporary European Studies
- Environmental Studies
- French
- Gender Studies
- Global Studies
- Hudson River Valley Regional Studies
- Italian
- Italian & Italian-American Studies
- Jewish Studies
- Latin American & Caribbean Studies
- Legal Studies
- Medieval & Renaissance Studies
- Public Health
- Public Praxis
- Quantitative Studies
- Religion & Society
- Spanish
- Studies in Political Economy
- Technology & Society

Total distribution credits 36 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

3.3 SKILL REQUIREMENTS (in Core or major courses) 0 stand-alone credits

- Writing
- Public Presentation
- Technological Competency

3.4 CAPPING (taken in the major field of study during the senior year) 3 cr

Total credits for Core/LS requirements 3 cr 46 credits

International Programs

Marist College encourages qualified students to spend a semester or academic year in another country through Marist International Programs (MIP). 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. Candidates for MIP may variously pursue major, minor, core, internship, or elective coursework abroad. Again, early planning is essential in terms of course planning and finding the best fit between particular study abroad program and student. Students generally earn 15 credits per semester while abroad.

Please refer to page 14 of this catalog for more information on MIP.

Sample Academic Plan for a Semester Abroad*:

• Foundation/orientation course	3 cr	
• Major required course	3-6 cr	
• Core/Liberal Studies course (Foreign Language, Social Science, History, Literature, Fine Arts, Philosophy/Religious Studies)	3-6 cr	
• Elective course	3 cr	
• Internship	<u>0-6 cr**</u>	
Total		12-16 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

ANN DAVIS, 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 accounting 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
CMPT 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.

1.0	Course Requirements in Accounting		
	Accounting Core	30 cr	
	Integrative Capping Course	<u>3 cr</u>	
	Credit Requirement in Accounting		33 cr
2.0	Course Requirements in Related Fields		
	BUS 202 Global Business & Society	3 cr	
	BUS 302 Organizational Behavior	3 cr	
	BUS 320 Financial Management	3 cr	
	BUS 340 Marketing Principles	3 cr	
	BUS 380 Business Law I	3 cr	
	BUS 381 Business Law II	3 cr	
	Two ACCT or BUS courses	6 cr	
	CMPT 300 Management Information Systems	3 cr	
	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	<u>3 cr</u>	
	Credit Requirement in Related Fields		<u>39-40 cr</u>
	Total Credit Requirement for a Major in Accounting		72-73 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	3 cr	
	Social Science	<u>0 cr</u>	(fulfilled by major field req.)
			18 cr

Pathway* 12 cr
 Courses addressing an interdisciplinary topic.

Total Core/Liberal Studies Requirement 37 cr

4.0 Electives 10-11 cr

Total Credit Requirement for Graduation 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

REQUIREMENTS FOR A MINOR IN ACCOUNTING

Required Introductory-Level Courses

ACCT 203 Financial Accounting	3 cr
ACCT 204 Managerial Accounting	3 cr
BUS 100 Introduction to Business and Management	3 cr
ECON 150 Economics of Social Issues OR	
ECON 103 Principles of Microeconomics	<u>3 cr</u>

12 cr

Elective Upper-Level Courses (9 credits)
 Select three Accounting courses from the following
 (subject to prerequisite requirements): 9 cr

ACCT 301 Intermediate Accounting I	
ACCT 302 Intermediate Accounting II	
ACCT 310 Cost Accounting	
ACCT 311 Information for Decision Making and Control	
ACCT 330 Financial Statement Analysis	
ACCT 350 Accounting Systems	
ACCT 401 Advanced Accounting	
ACCT 402 Auditing	
ACCT 403 Tax I	
ACCT 404 Tax II	
ACCT 405 Advanced Auditing	
ACCT 451 Government and Not-For-Profit Accounting	

Total Credit Requirement for a Minor in Accounting 21 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN ACCOUNTING

FRESHMAN YEAR

FALL	SPRING
FYS 101 First Year Seminar 4 cr	Core/LS PHIL 101 Philosophical Perspectives 3 cr
ACCT 203 Financial Accounting 3 cr	MATH 130 Introductory Statistics 3 cr
ECON 103 Principles of Microeconomics 3 cr	ACCT 204 Managerial Accounting 3 cr
MATH 120 Precalculus OR Core/LS Distribution 3 cr	ECON 104 Principles of Macroeconomics 3 cr
ENG 120 Writing for College <u>3 cr</u>	Core/LS Distribution <u>3 cr</u>
16 cr	15 cr

SOPHOMORE YEAR

FALL	SPRING
ACCT 301 Intermediate Accounting I 3 cr	ACCT 302 Intermediate Accounting II 3 cr
BUS 202 Global Business and Society 3 cr	BUS 302 Organizational Behavior 3 cr
BUS 320 Financial Management 3 cr	MATH 115 Calculus w/Management Applic 3 cr
Core/LS Distribution 3 cr	Core/LS Distribution 3 cr
Core/LS Distribution <u>3 cr</u>	Core/LS Distribution <u>3 cr</u>
15 cr	15 cr

JUNIOR YEAR

FALL	SPRING
ACCT 310 Cost Accounting 3 cr	ACCT 451 Govt & Not For Profit Accounting 3 cr
ACCT 330 Financial Statement Analysis 3 cr	BUS 340 Marketing Principles 3 cr
ACCT 401 Advanced Accounting 3 cr	CMPT 300 Management Information Systems 3 cr
BUS 380 Business Law I 3 cr	BUS 381 Business Law II 3 cr
Core/LS Distribution <u>3 cr</u>	Elective <u>3 cr</u>
15 cr	15 cr

SENIOR YEAR**FALL**

ACCT 402 Auditing	3 cr
ACCT 403 Tax I	3 cr
Core/LS Distribution	3 cr
Core/LS Distribution	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

ACCT 477 Current Issues In Accounting	3 cr
Acct or Business Elective	3 cr
Acct or Business Elective	3 cr
Core/LS Distribution	3 cr
Elective	<u>3 cr</u>
	15 cr

AFRICAN DIASPORA STUDIES MINORMARTIN SHAFFER, Ph.D., *Dean*

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
- | | |
|---|-------|
| HIST 242 Introduction to African Diaspora Studies | 3 cr |
| Five African Diaspora Electives: | 15 cr |
- 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 MinorCommunications

- 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
- 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 351 African Politics

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.

AMERICAN STUDIES

SARA DWYER-McNULTY, 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.

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 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 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 US Constitutional Law: National Powers		
	POSC 211 American State & Local 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 321 Contemporary Political Theory		
	POSC 251 Comparative Political Systems: Great Britain and Western Europe		
	POSC 252 Comparative Political Systems: CIS and Eastern Europe		
	POSC 113 International Relations		
	POSC 350 Latin American Politics		
	POSC 236 Politics of Developing Areas		
	POSC 355 Comparative Political Systems: Middle East		
	POSC 290 International Law and Organization		
	CMPT 103 Technology for the 21st Century	3 cr	
	REST 201 Religion in America	3 cr	
	POSC 477 Capping: Law & Morality OR		
	HIST 477 Capping Course	<u>3 cr</u>	
	Total Credit Requirement for a Major in American Studies		54 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		

PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	0 cr	(fulfilled by major field req.)
Fine Arts	0 cr	(fulfilled by major field req.)
History	0 cr	(fulfilled by major field req.)
Literature	0 cr	(fulfilled by major field req.)
Mathematics	3 cr	
Natural Science	3 cr	
Social Science	<u>0 cr</u>	(fulfilled by major field req.)

9 cr

Pathway*

Courses addressing an interdisciplinary topic.

12 cr

Total Core/Liberal Studies Requirement

28 cr

4.0 Electives

38 cr

Total Credit Requirement for Graduation

120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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 300 Constitutional Law: Civil Rights & Liberties	
	POSC 210 US Constitutional Law: National Powers	
	POSC 211 American State & Local 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.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN AMERICAN STUDIES

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
ENG 210 American Literature I	3 cr
PHIL 101 Philosophical Perspectives	3 cr
HIST 101 Themes of Modern History	<u>3 cr</u>
	16 cr

SPRING

HIST 226 American History I	3 cr
ENG 211 American Literature I	3 cr
POSC 110 American National Government	3 cr
Core/LS Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

American Studies – Fine Arts	3 cr
HIST 227 American History II	3 cr
REST 201 Religion in America	3 cr
Core/LS Elective	3 cr
Core/LS Elective	<u>3 cr</u>
	15 cr

SPRING

American Studies – Political Science	3 cr
CMP T 103 Technology for 21st Century	3 cr
PHIL 240 American Pragmatism	3 cr
Core/LS Elective	3 cr
Core/LS Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

Core/LS Elective	3 cr
American Studies – American Literature	3 cr
American Studies – American History Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

American Studies – POSC International	3 cr
Core/LS Elective	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

HIST 477 Capping	3 cr
American Studies - Literature (non-American)	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>2 cr</u>
	14 cr

SPRING

American Studies – History (non-American)	3 cr
PHIL 342 American Social Thought	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

APPLIED MATHEMATICS

JOSEPH KIRTLAND, Ph.D., *Chairperson*

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, medicine, computer science, finance, actuarial science, operations research, industrial mathematics, 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

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

For the proposed curriculum in both the Computer Science and Actuarial tracks below, Lab Science I and Lab Science II may be comprised of any one of the following three options:

1. Physics Option – Any two of the following three physics lecture/lab combinations (taken in any order):
 - PHYS 211 General Physics I (3 cr) and PHYS 213 Physics Lab I (1 cr)
 - PHYS 212 General Physics II (3 cr) and PHYS 214 Physics Lab II (1 cr)
 - PHYS 221 Modern Physics I (3 cr) and PHYS 222 Modern Physics Lab (1 cr)
2. Chemistry Option – The following two chemistry lecture/lab combinations (taken in the order below):
 - CHEM 111 General Chemistry I (3 cr) and CHEM 115 General Chemistry Laboratory I (1 cr)
 - CHEM 112 General Chemistry II (3 cr) and CHEM 116 General Chemistry Laboratory II (1 cr)
3. Biology Option – The following two biology courses (taken in the order below):
 - BIOL 130 General Biology I (4 cr)
 - BIOL 131 General Biology II (4 cr)

*Applied Mathematics Foundation Courses (33 credits)**

MATH 241, 242, 343 Calculus I-III	12 cr
MATH 210 Linear Algebra	3 cr
MATH 310 Introduction to Mathematical Reasoning	3 cr
MATH 321 Differential Equations	3 cr
MATH 330 Probability and Statistics	3 cr
MATH 420 Mathematical Analysis I	3 cr
MATH 422 Applied Mathematics	3 cr
MATH 477 Math Capping Course	3 cr

*Applied Mathematics Upper-Level Electives (9 credits)**

Choose 3 courses from:	9 cr
MATH 331 Applied Statistics	
MATH 393 Special Topics in Mathematics I	
MATH 394 Special Topics in Mathematics II	
MATH 410 Abstract Algebra	
MATH 411 Abstract Algebra II	

MATH 412 Computational Linear Algebra
MATH 421 Mathematical Analysis II
MATH 423 Applied Mathematics II
MATH 424 Complex Analysis
MATH 430 Operations Research
MATH 440 Numerical Analysis
MATH 441 Combinatorics
MATH 451 Elementary Topology

Related Fields

DATA 220 Intro to Data Analysis OR 4 cr
CMPT 120 Introduction to Programming

Interdisciplinary Tracks

Chemistry Track (19 cr)

Lab Science I – Physics Option (see description above) 4 cr
Lab Science II – Physics Option (see description above) 4 cr
CHEM 111 General Chemistry I with CHEM 115 Gen. Chemistry Lab I 4 cr
CHEM 112 General Chemistry II with CHEM 116 Gen. Chemistry Lab II 4 cr
Select One:
CHEM 361 Thermodynamics & Kinetics 3 cr
CHEM 362 Quantum and Statistical Mechanics 3 cr

Biology Track (19-20 cr)

BIOL 130 General Biology I 4 cr
BIOL 131 General Biology II 4 cr
CHEM 111 General Chemistry I with CHEM 115 Gen. Chemistry Lab I 4 cr
CHEM 112 General Chemistry II with CHEM 116 Gen. Chemistry Lab II 4 cr
Select One:
Any 300- or 400-level BIOL course 3-4 cr

Computer Science Track (19-20 cr)

Lab Science I (see description above) 4 cr
Lab Science II (see description above) 4 cr
CMPT 220 Software Development I 4 cr
CMPT 435 Algorithm Analysis & Design 4 cr
Select One:
CMPT 404 Artificial Intelligence 3 cr
CMPT 446 Computer Graphics 4 cr

Actuarial Track (20 cr)

Lab Science I (see description above) 4 cr
Lab Science II (see description above) 4 cr
ECON 103 Principles of Microeconomics 3 cr
ECON 104 Principles of Macroeconomics 3 cr
ACCT 203 Financial Accounting 3 cr
BUS 320 Financial Management 3 cr
MATH 331 Applied Statistics 0 cr **

*While several of the 300-400 level mathematics courses are offered each semester, many of these courses are offered only annually or biennially. Please visit the Department of Mathematics page at the Marist College web site for the current schedule of course offerings.

**May be fulfilled by Applied Mathematics upper-level elective course.

**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	Additional Upper-Level Mathematics courses	9 cr
1.2	Interdisciplinary Tracks	19-20 cr
2.0	Course Requirements in Related Fields	<u>4 cr</u>
Total Credit Requirement for a Major in Applied Mathematics		65-66 cr
3.0	Core/Liberal Studies Requirements	
3.1	FOUNDATION	
	FYS 101 First Year Seminar	4 cr
	ENG 120 Writing for College	3 cr
		7 cr

3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	0 cr	(fulfilled by major field req.)
	Social Science	<u>3 cr</u>	
		18 cr	
	Pathway†	<u>12 cr</u>	
	Courses addressing an interdisciplinary topic.		

Total Core/Liberal Studies Requirement 37 cr

4.0 General Electives 17-18 cr

Total Credit Requirement for Graduation 120 cr

† Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

FRESHMAN YEAR

FALL

MATH 241 Calculus I	4 cr
DATA 220 Intro Data OR CMPT 120 Intro Prog.	4 cr
FYS 101 First Year Seminar	3 cr
ENG 120 Writing for College	4 cr
	<u>15 cr</u>

SPRING

MATH 242 Calculus II	4 cr
PHIL 101 Philosophical Perspectives	3 cr
Track Requirement or Core Dist.	3-4 cr
Core/LS	3 cr
Core/LS (if no 4-cr Track Req.)	<u>0-3 cr</u>
	14-16 cr

SOPHOMORE YEAR

FALL

MATH 343 Calculus III	4 cr
MATH 210 Linear Algebra	3 cr
Track Requirement	4 cr
Core/LS	3 cr
	<u>14 cr</u>

SPRING

MATH 310 Intro Math Reasoning	3 cr
MATH 321 Differential Equations	3 cr
Track Requirement	4 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	16 cr

JUNIOR YEAR

FALL

MATH 300/400-level Requirement	3 cr
MATH 300/400-level Requirement	3 cr
Track Requirement	3-4 cr
Core/LS or General Elective	3 cr
Core/LS or General Elective	<u>3 cr</u>
	15-16 cr

SPRING

MATH 300/400-level Elective	3 cr
MATH 300/400-level Elective	3 cr
Track Requirement	3-4 cr
Core/LS or General Elective	3 cr
Core/LS	<u>3 cr</u>
	15-16 cr

SENIOR YEAR

FALL

MATH 300/400-level Requirement	3 cr
MATH 300/400-level Elective	3 cr
Track Requirement, Track Elective or Core/LS	3-4 cr
Core/LS or General Elective	3 cr
Core/LS or General Elective	<u>3 cr</u>
	15-16 cr

SPRING

MATH 477 Capping	3 cr
Track Elective or General Elective	3 cr
Core/LS or General Elective	3 cr
General Elective	3 cr
General Elective	0-3 cr
	<u>12-15 cr</u>

Please see the documentation (page 159) 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 160.

ART AND DIGITAL MEDIA

MATTHEW FRIEBURGH AUS, M.F.A., *Chairperson*

MISSION:

The Department of Art and Digital Media 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.

The **B.S. in Digital Media** is designed to allow students the opportunity to explore, in depth, the new exciting field of Digital Media under the guidance of recognized working artists, designers, and educators. It combines courses in digital media with a balanced curriculum of studio art, art history, and liberal arts courses. Students will gain broad-based training in a wide range of new media, along with an understanding of their concepts, historical background, and heritage in the traditional media.

The **B.S. in Studio Art** offers a balance of courses between the traditional art media areas required by the major and the liberal arts courses required by the Marist College common Core. This program will provide a concentrated and carefully structured series of courses organized to enable students to broaden their understanding, aesthetic awareness, and technical abilities in the studio arts. It will also stress the concepts and historical background that have determined the way in which traditional art media have evolved. In addition, this comprehensive program will encourage an awareness of art in relationship to other areas, provide art students with the opportunity to participate in internships, take related courses in other disciplines, and offer students an opportunity to develop their portfolios in preparation for graduate studies. The Studio Faculty is composed of full-time and visiting art professionals who are committed to creating a nurturing but challenging environment in which students can explore, experiment, and develop their own personal visions.

The **B.A. in Fine Arts** with a concentration in Studio Art is designed to combine a broad-based training in the visual arts with a traditional liberal arts education. After gaining a solid foundation in design, drawing, and art history, each student specializes in one of five tracks: drawing, graphic design, painting, photography, or digital media. Students also select additional studio courses to expand their knowledge of the visual arts. This curriculum is ideally suited for students who want to combine their studio major with a second one or plan a more rigorous study of the liberal arts.

The **B.A. in Fine Arts** with a concentration in Art History is designed to provide both a survey of western art and an in-depth study of selected periods. In addition to the required coursework, students concentrating in art history must pursue an alternative discipline, preferably in a foreign language. Study abroad is strongly encouraged and the department provides many opportunities for doing so.

All majors, whether in Studio Art, Digital Media, or Art History, are encouraged to apply for internships in their junior or senior year. The Department’s programs are augmented by trips to nearby galleries and museums in the Hudson Valley, New England, and New York City. There are also noteworthy opportunities to study abroad, particularly at our branch campus in Florence, Italy, as well as short-term programs in Italy, England, France, Spain, and Japan.

FLORENCE, ITALY BRANCH CAMPUS

The Department of Art and Digital Media 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
- B.F.A. Interior Design [only available in Florence]
- 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.

MINORS

Minors in Studio Art, Photography, Graphic Design 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.

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.

1.0	Course Requirements		
	ART 101 Fundamentals of Art and Design I	3 cr	
	ART 110 Basic Drawing	3 cr	
	ART 160 History of Western Art I	3 cr	
	ART 180 History of Western Art II	3 cr	
	One 200-300 level Art History course	3 cr	
	CMPT 103 Technology for the 21st Century	3 cr	
	ART 477 Capping Course	<u>3 cr</u>	21 cr
1.1	Tracks		
	3 courses in one of the following: digital media, drawing, graphic design, painting, or photography	<u>9 cr</u>	9 cr

1.2	Each student is required to take four additional courses in Studio Art.	<u>12 cr</u>	<u>12 cr</u>
Total Credit Requirement for Concentration in Studio Art			42 cr
2.0	Course requirements in Related Fields: None		
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	0 cr	(fulfilled by major field req.)
	History	3 cr	
	Literature	3 cr	
	Mathematics	3 cr	
	Natural Science	3 cr	
	Social Science	<u>3 cr</u>	21 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			40 cr
4.0	Electives		<u>38 cr</u>
Total Credit Requirement for Graduation			120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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

Concentration in Art History

1.0	Course Requirements		
	ART 101 Fundamentals of Art and Design I	3 cr	
	ART 110 Basic Drawing	3 cr	
	ART 160 History of Western Art I	3 cr	
	ART 180 History of Western Art II	3 cr	
	CMPT 103 Technology for the 21st Century	3 cr	
	ART 477 Capping Course	3 cr	18 cr
1.1	Selection of five courses in Art History	15 cr	
1.2	Alternate Discipline	<u>9 cr</u>	
	Each student must take three courses in one of the following alternate disciplines: Foreign Language (French, German, Italian, or Spanish), History, Literature, or Studio Art.		
	(If the student plans to pursue graduate work in art history, the alternate discipline should be a foreign language.)		<u>24 cr</u>
Total Credit Requirement in Art History			42 cr
2.0	Course Requirements in Related Fields: None		
3.0	Core/Liberal Studies Requirements		

3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	0 cr	(fulfilled by major field req.)
	History	0-3 cr	(may be fulfilled by major field req.)
	Literature	0-3 cr	(may be fulfilled by major field req.)
	Mathematics	3 cr	
	Natural Science	3 cr	
	Social Science	<u>3 cr</u>	15-21 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		
	Total Core/Liberal Studies Requirement		34-40 cr
4.0	Electives		<u>38-44 cr</u>
	Total Credit Requirement for Graduation		120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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	
	CMPT 103 Technology for the 21st Century	<u>3 cr</u>	21 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	<u>3 cr</u>	12 cr
1.2	Concentration		
	ART 235 Digital Animation I	3 cr	
	ART 320 Digital Photography I	3 cr	
	ART 211 Digital Layout & Design	3 cr	
	ART 323 Designing for the Web	3 cr	
	Three additional courses selected from the following:	<u>9 cr</u>	
	ART 321 Digital Painting		
	ART 322 Multimedia Authoring		
	ART 359 Sound Design		
	ART 435 Digital Animation II		
	ART 425 Digital Photography II		
	ART 431 3D Modeling and Visualization		
	ART 432 3D Animation		
			<u>21 cr</u>
	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.		
			<u>15 cr</u>
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		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	0 cr	(fulfilled by major field req.)
	History	3 cr	
	Literature	3 cr	
	Mathematics	3 cr	
	Natural Science	3 cr	
	Social Science	3 cr	
			21 cr
	Pathway*		
	Courses addressing an interdisciplinary topic.		
			<u>12 cr</u>
Total Core/Liberal Studies Requirement			40 cr

4.0	Electives		<u>11 cr</u>
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Total Credit Requirement for Graduation			120 cr
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* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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	<u>3 cr</u>	
			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	<u>3 cr</u>	
			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	<u>15 cr</u>	
			30 cr

1.3	Art Electives, Related Fields, and/or Professional Internship Students must take an additional nine credits in the art studio area, related field electives (for example, Digital Media courses, Art History classes, classes in Communication, etc.) and/or a Professional Internship, or any combination thereof. • Internships and related field requirements must be approved by the department.	9 cr
Total Credit Requirement for Concentration in Studio Art		69 cr

3.0	Core/Liberal Studies Requirement		
3.1	FOUNDATION FYS 101 First Year Seminar ENG 120 Writing for College	4 cr <u>3 cr</u>	7 cr
3.2	DISTRIBUTION Breadth PHIL 101 Philosophical Perspectives Ethics, Applied Ethics, or Religious Studies Fine Arts History Literature Mathematics Natural Science Social Science	3 cr 3 cr 0 cr 3 cr 3 cr 3 cr 3 cr <u>3 cr</u>	(fulfilled by major field req.) 21 cr
	Pathway* Courses addressing an interdisciplinary topic.	<u>12 cr</u>	
Total Core/Liberal Studies Requirement			40 cr

4.0	Electives		<u>11 cr</u>
Total Credit Requirement for Graduation			120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN STUDIO ART

FRESHMAN YEAR

FALL	ART 101 Fund of Art & Design ART 160 History of Western Art I FYS 101 First Year Seminar ENG 120 Writing for College Liberal Arts Elective	3 cr 3 cr 4 cr 3 cr <u>3 cr</u>	16 cr
SPRING	ART 110 Basic Drawing ART 180 History of Western Art II PHIL 101 Philosophical Perspectives Core/LS Liberal Arts Elective	3 cr 3 cr 3 cr 3 cr <u>3 cr</u>	15 cr

SOPHOMORE YEAR

FALL	Art Studio Concentration 1 Liberal Arts Elective Liberal Arts Elective Core/LS Core/LS	3 cr 3 cr 3 cr 3 cr <u>3 cr</u>	15 cr
SPRING	Art Studio Concentration 2 Liberal Arts Elective Liberal Arts Elective Core/LS Core/LS	3 cr 3 cr 3 cr 3 cr <u>3 cr</u>	15 cr

JUNIOR YEAR

FALL	Art Studio Elective 1 Art History (200 Level or above) Liberal Arts Elective Liberal Arts Elective Core/LS	3 cr 3 cr 3 cr 3 cr <u>3 cr</u>	15 cr
SPRING	Art Studio Concentration 3 Art Studio Elective 2 Art History (200 level or above) Core/LS Core/LS	3 cr 3 cr 3 cr 3 cr <u>3 cr</u>	15 cr

SENIOR YEAR**FALL**

Art Studio Elective 3	3 cr
Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

ART 477 Capping	3 cr
Art Studio Elective 4	3 cr
Liberal Arts Elective	3 cr
Liberal Arts Elective	2 cr
Core/LS	<u>3 cr</u>
	14 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ART HISTORY**FRESHMAN YEAR****FALL**

ART 101 Fund of Art & Design	3 cr
ART 160 History of Western Art I	3 cr
FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
Liberal Arts Elective	<u>3 cr</u>
	16 cr

SPRING

ART 110 Basic Drawing	3 cr
ART 180 History of Western Art II	3 cr
PHIL 101 Philosophical Perspectives	3 cr
Core/LS	3 cr
Liberal Arts Elective	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR**FALL**

Art History Elective 1	3 cr
Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

Art History Elective 2	3 cr
Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR**FALL**

Art History Elective 3	3 cr
Alternate Field Discipline 1	3 cr
Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

Art History Elective 4	3 cr
Alternate Field Discipline 2	3 cr
Liberal Arts Elective	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

Art History Elective 5	3 cr
Alternate Field Discipline 3	3 cr
Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

ART 477 Capping	3 cr
Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr
Liberal Arts Elective	2 cr
Core/LS	<u>3 cr</u>
	14 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN DIGITAL MEDIA**FRESHMAN YEAR****FALL**

ART 101 Fund of Art & Design	3 cr
ART 231 Intro to Digital Media	3 cr
ART 160 History of Western Art I	3 cr
ENG 120 Writing for College	3 cr
FYS 101 First Year Seminar	<u>4 cr</u>
	16 cr

SPRING

ART 110 Basic Drawing	3 cr
ART 180 History of Western Art II	3 cr
ART 320 Digital Photography	3 cr
PHIL 101 Philosophical Perspectives	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR**FALL**

ART 235 Digital Animation	3 cr
ART 211 Digital Layout & Design	3 cr
ART 201 3D Design	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

ART 323 Designing for the Web	3 cr
Major Concentration Course 1	3 cr
Studio Art/Rel Field Elective 1	3 cr
General Elective	3 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR**FALL**

ART 366 History of 20th Century Art	3 cr
Major Concentration Course 1	3 cr
Studio Art/Rel Field Elective 2	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

ART 350 Contemporary Art	3 cr
Studio Art/Rel Field Elective 3	3 cr
Major Concentration Course 3	3 cr
General Elective	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

Major Concentration Course 4	3 cr
ART 478 Senior Thesis	3 cr
Studio Art/Rel Field Elective 4	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

ART 477 Capping	3 cr
Studio Art/Rel Field Elective 5	3 cr
General Elective	3 cr
General Elective	2 cr
Core/LS	<u>3 cr</u>
	14 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN STUDIO ART**FRESHMAN YEAR****FALL**

ART 101 Fund of Art & Design	3 cr
ART 110 Basic Drawing	3 cr
ART 160 History of Western Art I	3 cr
ENG 120 Writing for College	3 cr
FYS 101 First Year Seminar	<u>4 cr</u>
	16 cr

SPRING

ART 231 Intro to Digital Media	3 cr
ART 180 History of Western Art II	3 cr
ART 201 3D Design	3 cr
PHIL 101 Philosophical Perspectives	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR**FALL**

ART 203 Drawing II: Media and Techniques	3 cr
ART 105 Basic Sculpture	3 cr
Related Field Course 1	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

ART 111 Basic Painting	3 cr
ART 207 Basic Printmaking	3 cr
Related Field Course 2	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR**FALL**

Art Studio Elective 1	3 cr
Related Field Course 3	3 cr
Art History (200 Level or above)	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

Art Studio Elective 2	3 cr
Art Studio Elective 3	3 cr
Art History (200 Level or above)	3 cr
ART 207 Basic Printmaking	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

Art Studio Elective 4	3 cr
ART 478 Senior Thesis	3 cr
General Elective	3 cr
General Elective	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

Art Studio Elective 5	3 cr
ART 477 Capping	3 cr
General Elective	3 cr
General Elective	2 cr
Core/LS	<u>3 cr</u>
	14 cr

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	<u>12 cr</u>

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	<u>12 cr</u>

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

REQUIREMENTS FOR A MINOR IN GRAPHIC DESIGN

Course Requirements (recommended sequence): 15 cr
ART 101 Fundamentals of Art and Design I
ART 231 Introduction to Digital Media
ART 211 Digital Layout and Design
ART 215 Typography and Design
ART 315 Publication Design

Choose one [1] of the following courses: 3 cr
ART 320 Digital Photography I
ART 322 Multimedia Authoring
ART 323 Design for the Web
ART 320 Digital Illustration

Total Credit Requirement for a Minor in Graphic Design 18 cr

ATHLETIC TRAINING

MICHAEL E. POWERS, Ph.D., ATC, Program Director
KEVIN J. HENRY, MEd, ATC, Department Chairperson

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, Inc. (BOC). Those passing this exam will be certified as Athletic Trainers by the BOC. The baccalaureate 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 and can be found in the Athletic Training Student Policy and Procedures Manual. Students are required to purchase clothing 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. Fingerprinting and a criminal background check may also be required and all associated costs will be 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

ATHT 104 Introduction to Athletic Training	3 cr
ATHT 205 Basic Concepts in Athletic Training + Lab	3 cr
ATHT 304 Therapeutic Modalities + Lab	3 cr
ATHT 305 Therapeutic Interventions	3 cr
ATHT 306 Therapeutic Exercise + Lab	3 cr
ATHT 307 Principles of Strength Training and Conditioning	3 cr

ATHT 310 Lower Body/Extremity Assess. of Musculoskeletal Injuries + Lab	3 cr	
ATHT 311 Upper Body/Extremity Assess. of Musculoskeletal Injuries + Lab	3 cr	
ATHT 330 Advanced Concepts in Athletic Training	3 cr	
ATHT 400 Athletic Training Administration	3 cr	
ATHT 395, 396, 397, 398, 497, 498 Clinical Practicum I-VI	6 cr	
ATHT 477 Professional and Ethical Issues in Athletic Training	<u>3 cr</u>	39 cr
2.0 Course Requirements in Related Fields		
BIOL 130 General Biology I	4 cr	
BIOL 131 General Biology II	4 cr	
BIOL 201 Human Anatomy & Physiology I	4 cr	
BIOL 202 Human Anatomy & Physiology II	4 cr	
CHEM 111 General Chemistry I	3 cr	
CHEM 112 General Chemistry II	3 cr	
CHEM 115 General Chemistry Laboratory I	1 cr	
CHEM 116 General Chemistry Laboratory II	1 cr	
CMPT 103 Technology for the 21st Century	3 cr	
HLTH 201/BIOL 203 Human Nutrition	3 cr	
HLTH 202 First Aid and CPR	3 cr	
HLTH 211/PSYC 211 Sport and Exercise Psychology	3 cr	
HLTH 300 Kinesiology	3 cr	
HLTH 301 Exercise Physiology	3 cr	
MATH 130 Intro to Statistics I	3 cr	
PSYC 101 Intro to Psychology	<u>3 cr</u>	
Credit Requirement in Related Fields		48 cr
Total Credit Requirement for a Major in Athletic Training		87 cr
3.0 Core/Liberal Studies Requirements		
3.1 FOUNDATION		
FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	7 cr
3.2 DISTRIBUTION		
Breadth		
PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	0 cr	(fulfilled by major field req.)
Social Science	<u>0 cr</u>	(fulfilled by major field req.)
		15 cr
Pathway*		<u>12 cr</u>
Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement		34 cr
4.0 Electives		0 cr
Total Credit Requirement for Graduation		121 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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, CMPT, 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 or if any deficiencies arise, suspension from the Athletic Training Education Program will occur.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN ATHLETIC TRAINING

FRESHMAN YEAR

FALL

BIOL 130 General Biology I	4 cr
CHEM 111 General Chemistry I	3 cr
CHEM 115 General Chemistry Lab I	1 cr
FYS 101 First Year Seminar	4 cr
ATHT 104 Intro to Athletic Training	3 cr
	<hr/>
	15 cr

SPRING

BIOL 131 General Biology II	4 cr
CHEM 112 General Chemistry II	3 cr
CHEM 116 General Chemistry Lab II	1 cr
ENG 117 Writing for College	3 cr
HLTH 202 First Aid & CPR	3 cr
PHIL 101 Philosophical Perspectives	<u>3 cr</u>
	17 cr

SOPHOMORE YEAR

FALL

ATHT 205 Basic Concepts in AT	3 cr
ATHT 395 Clinical Practicum I	1 cr
BIOL 201 Hum Anatomy & Physiology I	4 cr
CMPT 103 Technology for 21st Century	3 cr
Core/LS History	3 cr
	<hr/>
	14 cr

SPRING

ATHT 304 Therapeutic Modalities in AT	3 cr
ATHT 396 Clinical Practicum II	1 cr
BIOL 202 Hum Anatomy & Physiology II	4 cr
HLTH 300 Kinesiology	3 cr
MATH 130 Intro to Statistics I	3 cr
Core/LS Pathway #1	<u>3 cr</u>
	17 cr

JUNIOR YEAR

FALL

ATHT 306 Therapeutic Exercise-AT	3 cr
ATHT 310 Lower Body Assessment	3 cr
ATHT 397 Clinical Practicum III	1 cr
HLTH 301 Exercise Physiology	3 cr
PSYC 101 Intro to Psychology	3 cr
Core/LS Literature	<u>3 cr</u>
	16 cr

SPRING

ATHT 305 Therapeutic Interventions	3 cr
ATHT 307 Principles of Strength & Conditioning	3 cr
ATHT 311 Upper Body Assessment	3 cr
ATHT 398 Clinical Practicum IV	1 cr
BIOL 203 Human Nutrition	3 cr
Core/LS Pathway #2	<u>3 cr</u>
	16 cr

SENIOR YEAR

FALL

ATHT 330 Advanced Concepts in AT	3 cr
ATHT 400 AT Admin & Strategies	3 cr
ATHT 497 Clinical Practicum V	1 cr
PSYC 211 Sport & Exercise Psychology	3 cr
Core/LS Pathway #3	<u>3 cr</u>
	13 cr

SPRING

ATHT 477 Prof and Ethical Issues In Ath Training	3 cr
ATHT 498 Clinical Practicum VI	1 cr
Core/LS Ethics/Religious Studies	3 cr
Core/LS Fine Arts	3 cr
Core/LS Pathway #4	<u>3 cr</u>
	13 cr

BIOLOGY

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

VICTORIA INGALLS, 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
	BIOL 477 Biology Capping	<u>3 cr</u>

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 internships, research, BIOL 320, 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.

14 cr

Students matriculated at Marist and majoring in Biology are expected to take all BIOL courses at Marist. Exceptions will be considered under special circumstances, as when students get abroad offerings pre-approved. Transfer students must complete a minimum of 12 credits in 300-400 level BIOL classes at Marist (not including internships or research).

2.0	Course Requirements in Related Fields	
	CHEM 111, 112, General Chemistry I - II	6 cr
	CHEM 115, 116 General Chemistry I - II Lab	2 cr
	CHEM 211-212 and 215-216 Organic Chemistry I-II and Lab I-II OR CHEM 201-202 Principles of Organic Chemistry and Lab	4-8 cr
	MATH 130 Introduction to Statistics I	3 cr
	MATH 241 Calculus I	4 cr
	CMPT 103 Technology for the 21st Century OR	3 cr
	EDUC 150 Learning through Technology OR ART231 Intro to Digital Media*	
	OR COM 103 / MDIA 103 Digital toolbox OR CMPT 120 Introduction to Programming	
	OR CMPT 300 Management Information Systems, OR ENSC 230 Introduction to Geographic Information Systems* OR FASH 245 Fashion CAD I*	

* prerequisite course required

Credit Requirements in Related Fields 22-26 cr

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

Choose from:

Internships or Research (BIOL 480-483 or BIOL 494-498) up to 4-credit maximum
(note: internship credits, research credits, MATH 242 and/or MATH 343 do not count as the course w/lab)

Any non-required BIOL course that has BIOL 130 & 131 as a prerequisite

Any ATHT Course

HLTH 202 First Aid/CPR

Any HLTH course that has BIOL 130 & 131 as a prerequisite

Any MEDT course

PHYS 211-212-221-213-214-222 General Physics I-III and Lab I-III

PHYS 201-202-213-214 College Physics I-II and Physics 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 212 Intro to Geology Lab
 ENSC 230 Intro to Geographic Information Systems
 ENSC 310 Environmental Chemistry
 ENSC 309 Environmental Chemistry Lab
 ENSC 315 Natural History of the Hudson Valley
 ENSC 327 Freshwater Ecology
 ENSC 330 Advanced Geographic Information Systems
 ENSC 380 Principles of Environmental Assessment
 ENSC 404 Toxicology
 ANTH 101 Intro to Physical Anthropology
 MATH 131 Intro to Statistics II
 MATH 242 Calculus II
 MATH 343 Calculus III

Credit Requirements in Related Field Electives 8 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

FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	7 cr

3.2 DISTRIBUTION

Breadth

PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics or Religious Studies (Bioethics is recommended)	3 cr	
** A PHIL ethics class is a prerequisite for entry in BIOL 477 Biology Capping		
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	0 cr	(fulfilled by major field req.)
Social Science	<u>3 cr</u>	18 cr

Pathway*

Courses addressing an interdisciplinary topic.	<u>12 cr</u>	
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Total Core/Liberal Studies Requirement 37 cr

4.0 Electives 15-20 cr

Total Credit Requirement for Graduation 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN BIOLOGY

FRESHMAN YEAR

FALL

BIOL 130 General Biology I	4 cr
CHEM 111 General Chemistry I	3 cr
CHEM 115 General Chemistry I Lab	1 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	3 cr
Technology Course	<u>3 cr</u>
	17 cr

SPRING

BIOL 131 General Biology II	4 cr
CHEM 112 General Chemistry II	3 cr
CHEM 116 General Chemistry II Lab	1 cr
MATH 241 Calculus I	4 cr
FYS 101 First Year Seminar	4 cr
	<u>16 cr</u>

SOPHOMORE YEAR**FALL**

BIOL 211 Plant Biology	4 cr
CHEM 211 Organic Chemistry I	3 cr
CHEM 215 Organic Chemistry I Lab	1 cr
MATH 130 Intro to Statistics	3 cr
Core/LS Fine Arts	<u>3 cr</u>
	14 cr

SPRING

BIOL 320 Genetics or Biology Elective	4 cr
Core/LS History	3 cr
CHEM 212 Organic Chemistry II	3 cr
CHEM 216 Organic Chemistry II Lab	1 cr
Core/LS Pathway Course #1	<u>3 cr</u>
	14 cr

JUNIOR YEAR**FALL**

BIOL 320 Genetics or Biology Elective	4 cr
Related Field Elective (e.g., College Physics I & Lab I)	4 cr
Core/LS Social Science	3 cr
Core/LS Literature	<u>3 cr</u>
	14 cr

SPRING

BIOL 320 Genetics or Biology Elective	4 cr
Related Field Elective (e.g., College Physics II & Lab II)	4 cr
Core/LS Pathway Course #2	3 cr
Core/LS Ethics (Bioethics Recommended)	<u>3 cr</u>
	14 cr

SENIOR YEAR**FALL**

Biology Elective	4 cr
BIOL 477 Biology Capping	3 cr
Core/LS Pathway Course #3	3 cr
General Elective	3 cr
Core/LS	<u>3 cr</u>
	16 cr

SPRING

Biology Elective	3 cr
Core/LS Pathway Course #4	3 cr
General Elective	3 cr
General Elective	3 cr
General Elective	<u>3 cr</u>
	15 cr

REQUIREMENTS FOR A MINOR IN BIOLOGY

Required Courses:

BIOL 130 General Biology I	4 cr
BIOL 131 General Biology II	4 cr
CHEM 111 General Chemistry I	3 cr
CHEM 115 General Chemistry I Lab	1 cr
CHEM 112 General Chemistry II	3 cr
CHEM 116 General Chemistry II Lab	<u>1 cr</u>
	16 cr

Elective Biology Courses

Three courses selected from the following with at least one 300-400 level course that must have a lab:

BIOL 201 Human Anatomy and Physiology I	4 cr
BIOL 202 Human Anatomy and Physiology II	4 cr
BIOL 203 Human Nutrition	3 cr
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
BIOL 321 Evolution	3 cr
BIOL 325 Histology	4 cr
BIOL 340 Comparative Anatomy	4 cr
BIOL 360 Ecology: Principles & Practice	3 cr
BIOL 390 Special Topics in Biology I	1 cr
BIOL 391 Special Topics in Biology II	2 cr
BIOL 392 Special Topics in Biology III	3 cr
BIOL 420 Invertebrate Zoology	4 cr
BIOL 421 Parasitology	4 cr
BIOL 430 Developmental Biology	4 cr
BIOL 435 Plant Physiology	4 cr
BIOL 440 Advanced Human Physiology	4 cr
BIOL 450 Biotechnology	4 cr
BIOL 493 Molecular Biology	4 cr

10 cr**Total Credit Requirement for a Minor in Biology**

26 cr

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 103 of this catalog.

Program Requirements

Admission into EDUC 422 and EDUC 464 (Student Teaching) is based on the following:

- A BIOL (major field) grade-point average of 2.7 or higher with no grade below a C (average calculated based only on BIOL courses that can be applied to the BIOL major). NOTE: transfer students must take 12 credits in upper-level BIOL classes at Marist
- An overall science GPA of 2.5 or higher with no grade below a C (BIOL major field and related field requirements – this includes the required CHEM and MATH courses along with the BIOL courses required for the major)
- A minimum overall GPA of 2.7
- Grades of C+ or higher in all required courses for the education certificate (see Education Requirements)

Prior to admission to EDUC 422, the student must successfully complete at least 10 credits in upper-level BIOL courses (transfer students must successfully complete at least 8 credits in upper-level BIOL courses at Marist).

Prior to admission to EDUC 464, the student must successfully complete all BIOL courses required by the major (transfer students must successfully complete at least 12 credits in upper-level BIOL courses at Marist).

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

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
BIOL 477 Biology Capping	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.

Students matriculated at Marist and majoring in Biology Education are expected to take all BIOL courses at Marist. Exceptions will be considered under special circumstances, as when students get abroad offerings pre-approved. Transfer students must complete a minimum of 12 credits in 300-400 level BIOL classes at Marist (not including internships or research).

Credit Requirement in Biology 32 cr

Course Requirements in Biology Related Fields

CHEM 111, 112, 115 and 116 General Chemistry and Lab I-II	8 cr
CHEM 201-202 Principles of Organic Chemistry & Lab	4 cr
MATH 130 Introduction to Statistics	3 cr
MATH 241 Calculus I	<u>4 cr</u>

Credit Requirement in Related Fields 19 cr

2.0 Core/Liberal Studies Requirements

2.1 FOUNDATION

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr

7 cr

2.2 DISTRIBUTION

Breadth

PHIL 101 Philosophical Perspectives	3 cr	
Ethics or Applied Ethics	3 cr	
(Bioethics is recommended, a PHIL Ethics class is a prerequisite for entry into BIOL 477 Biology Capping)		
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	0 cr	(fulfilled by major field req.)
Social Science	<u>0 cr</u>	(fulfilled by Education req.)
		15 cr

Pathway* 6 cr*
4 courses addressing an interdisciplinary topic.

* In order to ensure timely progress toward the degree, students in this major must choose at least 2 Breadth courses that simultaneously fulfill a Pathway OR choose a Pathway that overlaps with 2 courses required by the major (including related-field requirements).

Total Core/Liberal Studies Requirement

28 cr

3.0 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 150 Learning Through Technology	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	
EDUC 464 Student Teaching	12 cr	
Foreign Language**	<u>3-6 cr</u>	

40-43 cr

Free Electives

0-1 cr

Total Credit Requirement for Graduation

120-122 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

** Language Requirement

One year of foreign language or one course at the intermediate level.

Conditions for Continuance in the Biology Education Major

Students must satisfy the requirements outlined above. If at the end of a semester the student does not have the designated minimum grades and GPA in any of the above areas (BIOL, the major field, classes for the Education Certificate, and/or overall GPA), the student will be called to an advisory meeting with selected members of the Biology and Education Faculty. At this meeting, the actions necessary to remain in the major will be outlined. If at the end of two consecutive semesters the student has failed to maintain the designated minimum grades and GPA in any of the above areas (BIOL, the major field, classes for the Education Certificate, and/or overall GPA), the student will be called to a second advisory meeting with selected members of the Biology and Education Faculty during which the student's educational options will be presented and discussed. Note that any student who does not demonstrate the fundamental knowledge, skills and dispositions necessary to assume the responsibilities of a classroom teacher may be removed from the education program by the Department of Education.

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

FRESHMAN YEAR

FALL

BIOL 130 Gen Biology I	4 cr
CHEM 111 Gen Chemistry I	3 cr
CHEM 115 Gen Chemistry I Lab	1 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	3 cr
PSYC 101 Introduction to Psychology	<u>3 cr</u>
	17 cr

SPRING

BIOL 131 Gen Biology II	4 cr
CHEM 112 Gen Chemistry II	3 cr
CHEM 116 Gen Chemistry II Lab	1 cr
FYS 101 First Year Seminar	4 cr
EDUC 101 Foundation of Education	3 cr
	<u>15 cr</u>

SOPHOMORE YEAR

FALL

BIOL 211 Plant Biology	4 cr
MATH 241 Calculus	4 cr
PSYC 207 The Exceptional Child	3 cr
EDUC 150 Learning Through Technology	3 cr
Core/LS Pathway Course #1	<u>3 cr</u>
	17 cr

JUNIOR YEAR

FALL

BIOL 321 Evolution	3 cr
CHEM 201 Intro to Organic Chem	3 cr
CHEM 202 Intro to Organic Chem Lab	1 cr
EDUC 354 Teach Language Arts	3 cr
Elementary Language I*	3 cr
Biology Elective	<u>3 cr</u>
	16 cr

SENIOR YEAR

FALL

BIOL 477 Biology Capping	3 cr
EDUC 422 Methods of Teaching Science	3 cr
EDUC 410 Part/Obs	1 cr
Biology Elective (BIOL 360 is highly recommended)	4 cr
Core/LS Pathway Course #3	3 cr
Core/LS Pathway Course #4	<u>3 cr</u>
	17 cr

SPRING

BIOL 320 Genetics	4 cr
MATH 130 Intro to Statistics	3 cr
PSYC 318 Psychology of Adolescent	3 cr
Core/LS Literature	3 cr
Core/LS History	<u>3 cr</u>
	16 cr

SPRING

Biology Elective	3 cr
Core/LS Pathway Course #2	3 cr
Core/LS Ethics/Applied Ethics (Bioethics Recommended)	3 cr
Elementary Language II	3 cr
EDUC 355 Teach Language in Content	3 cr
	<u>15 cr</u>

SPRING

EDUC 464 Student Teaching	12 cr
Core/LS Fine Arts	3 cr
	<u>15 cr</u>

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 required internships in a clinical setting – provide focused information about and direct experience with the health-care system. While most internships will be served locally at Mid-Hudson Regional 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.

REQUIREMENTS FOR A MAJOR IN BIOMEDICAL SCIENCES

1.0 Course Requirements in Biomedical Sciences	
BIOL 130-131 General Biology I-II	8 cr
BIOL 201-202 Human Anatomy & Physiology I-II OR BIOL 340 and BIOL 440 Human Comparative Anatomy and Advanced Human Physiology	8 cr ¹
BIOL 320 Genetics	4 cr
BIOL 477 Biology Capping	3 cr
HLTH 110 Introduction to the Health Professions	1 cr
BIOL 496 Biomedical Sciences Internship OR BIOL 480-483 Research	3 cr
CHEM 111, 112, 115, and 116 General Chemistry and Lab I-II	8 cr
CHEM 211-212 and 215-216 Organic Chemistry I-II with Lab I-II	8 cr
PHYS 211-212-213-214 General Physics I-II and Labs I-II OR PHYS 201-202-213-214 College Physics I-II and Labs I-II	8 cr
Biomedical Sciences Electives ²	<u>15 cr</u>

Credit Requirement in Biomedical Sciences

66 cr

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, MEDT, BIOL 211, 300-400-level BIOL courses, CHEM courses for which CHEM 131-132 are prerequisites, HLTH 202, HLTH courses for which BIOL 130-131 are prerequisites, PSYC 301-305 and MATH courses numbered above 130. Only 4 of these 7 credits may be Biology Research credits (BIOL 480-483). Required Biomedical Sciences courses cannot serve as Biomedical Sciences Electives. 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.

Students matriculated at Marist and majoring in Biomedical Sciences are expected to take all BIOL courses at Marist. Exceptions will be considered under special circumstances, as when students get abroad offerings pre-approved. Transfer students must complete a minimum of 12 credits in 300-400 level BIOL classes at Marist (not including internships or research).

2.0 Course Requirements in Related Fields

Mathematics and Computer Science

CMPT 103 Technology for the 21st Century OR	
EDUC 150 Learning Through Technology, OR	
ART 231 Intro to Digital Media*, OR COM 103 /	
MDIA 103 Digital toolbox, OR CMPT 120 Introduction to Programming, OR	
CMPT 300 Management Information Systems, OR	
ENSC 230 Introduction to Geographic Information Systems*, OR	
FASH 245 Fashion CAD I *	3 cr
MATH 130 Introduction to Statistics I	3 cr
MATH 241 Calculus I	<u>4 cr</u>

* Prerequisite course needed

Credit Requirements in Related Fields 10 cr

Total Credit Requirement for a Major in Biomedical Sciences 76 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	7 cr

3.2 DISTRIBUTION

Breadth

PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies** (Bioethics in recommended)	3 cr	
** a PHIL ethics class is a prerequisite for entry into BIOL 477 Biology Capping		
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	0 cr	(fulfilled by major field req.)
Social Science	<u>3 cr</u>	

18 cr

Pathway*

Courses addressing an interdisciplinary topic. 12 cr

Total Core/Liberal Studies Requirement 37 cr

4.0 Electives 7 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

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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

FRESHMAN YEAR

FALL

BIOL 130 Gen Biology I	4 cr
CHEM 111 Gen Chemistry I	3 cr
CHEM 115 General Chemistry I Lab	1 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	3 cr
Technology course	<u>3 cr</u>
	17 cr

SOPHOMORE YEAR

FALL

CHEM 211 Organic Chem I	3 cr
CHEM 215 Organic Chem I Lab	1 cr
PHYS 201-213 College Physics I & Lab	4 cr
MATH 130 Statistics I	3 cr
Core/LS Fine Arts	3 cr
	<u> </u>
	14 cr

JUNIOR YEAR

FALL

BIOL 201 Human Anatomy & Physiology I OR BIOL 440 Advanced Human Physiology	4 cr
Core/LS Literature	3 cr
Core/LS Pathway Course #2	3 cr
BIOL 320 Genetics OR 300-400 level BIOL course w/ lab	4 cr
BIMS Internship	1 cr
	<u> </u>
	15 cr

SENIOR YEAR

FALL

300-400 level BIOL course w/Lab	4 cr
BIOL 477 Biology Capping	3 cr
Biomedical Sciences Elective	3 cr
Core/LS Pathway Course #3	3 cr
	<u> </u>
	13 cr

SPRING

BIOL 131 Gen Biology II	4 cr
CHEM 112 Gen Chemistry II	3 cr
CHEM 116 General Chemistry II Lab	1 cr
MATH 241 Calculus I	4 cr
FYS 101 First Year Seminar	4 cr
HLTH 110 Intro to Health Professions	<u>1 cr</u>
	17 cr

SPRING

CHEM 212 Organic Chem II	3 cr
CHEM 216 Organic Chem II Lab	1 cr
PHYS 202-214 College Physics II & Lab	4 cr
Core/LS History	3 cr
Core/LS Pathway Course #1	3 cr
BIMS Internship	<u>1 cr</u>
	15 cr

SPRING

BIOL 201 Human Anatomy & Physiology II OR BIOL 340 Human and Comparative Anatomy	4 cr
BIOL 320 Genetics OR 300-400 BIOL course w/lab	4 cr
Core/LS Social Science	3 cr
Core/LS Ethics/Applied/Ethics/Religious Studies (Bioethics Recommended)	3 cr
BIMS Internship	<u>1 cr</u>
	15 cr

SPRING

Biomedical Sciences Electives	4 cr
Core/LS Pathway Course #4	3 cr
General Elective	3 cr
General Elective	3 cr
General Elective	<u>1 cr</u>
	14 cr

BUSINESS ADMINISTRATION

JASON LEE, Ph.D., *Chairperson, Department of Management*

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:

ACCT 203 Financial Accounting	3 cr
ACCT 204 Managerial Accounting	3 cr

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

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:

BUS 100 Introduction to Business and Management	3 cr
BUS 202 Global Business and Society	3 cr
BUS 301 Human Resource Management	3 cr
BUS 302 Organizational Behavior	3 cr
BUS 320 Financial Management	3 cr
BUS 340 Marketing Principles	3 cr
BUS 382 Legal Foundations of Business	3 cr
BUS 388 Operations Management	3 cr

The Area of Emphasis (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) and one class chosen from the following list:
ECON 432
FREN 251
FREN 440
POSC 252
POSC 255
POSC 350
POSC 236
- Marketing (BUS 440, BUS 441, BUS 442, BUS 450)
- Human Resources (BUS 401, BUS 402, BUS 410, BUS 413)
- 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 (13 credits):

CSIS 152 Excel	1 cr
CMPT 120 Introduction to Programming	4 cr
CMPT 308 Database Management	4 cr
CMPT 460 Decision Support and Business Intelligence Systems	4 cr

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):

ACCT 451 Government and Not-For-Profit Accounting	3 cr
ECON 421 Public Finance	3 cr
POSC 110 American National Government	3 cr
POSC 240 Introduction to Public Policy OR POSC 322 Policy Implementation	3 cr
POSC 304 Public Administration	3 cr

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:

BUS 477 Management Strategy and Policy

3 cr

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		
	ACCT 203 Financial Accounting	3 cr	
	ACCT 204 Managerial Accounting	3 cr	
	ECON 103 Principles of Microeconomics	3 cr	
	ECON 104 Principles of Macroeconomics	3 cr	
	CMPT 300 Management Information Systems	3 cr	
	MATH 115 Calculus with Management Applications OR		
	MATH 241 Calculus I	3-4 cr	
	MATH 130 Introductory Statistics I	<u>3 cr</u>	
	Credit Requirements in Business Foundations		21-22 cr
2.0	Course Requirements in Business		
	Business Core	24 cr	
	Area of Emphasis	12 cr	
	Integrative Capping Course	<u>3 cr</u>	
	Credit Requirement in Business		<u>39 cr</u>
	Total Credit Requirement for a Major in Business Administration		60-61 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	3 cr	
	Social Science	<u>0 cr</u>	(fulfilled by major field req.)
			18 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		
	Total Core/Liberal Studies Requirement		37 cr
4.0	Electives**		<u>22-23 cr</u>
	Total Credit Requirement for Graduation		120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

** 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:	18 cr
ACCT 203 Financial Accounting	
ACCT 204 Managerial Accounting	
ECON 103 Principles of Microeconomics	
ECON 104 Principles of Macroeconomics	
BUS 320 Financial Management (Prerequisite MATH 130 Statistics)	
BUS 301 Human Resource Management OR	
BUS 340 Marketing Principles	

Electives:	<u>6 cr</u>
Select two 300-400 level courses in Business, Accounting** or Economics***	
OR FASH 365 OR FASH 455	

Total Credit Requirement for a Minor in Business 24 cr

* Subject to prerequisite requirements. Internship credits excluded.

** Accounting majors are required to take BUS 388 Operations Management **and** one additional 300-400 level course in Accounting **or** Economics.

*** Economics majors are required to take two 300-400 level BUS or ACCT courses.

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 Philosophical Perspectives, Writing for College and First Year Seminar, 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

FYS 101 First Year Seminar OR	4 cr
ENG 120 Writing for College	3 cr
BUS 100 OR PHIL 101	3 cr
ECON 103 Princ. of Microeconomics*	3 cr
MATH 115 OR MATH 130	3 cr
Core/LS Distribution	<u>3 cr</u>
	15 or 16 cr

SPRING

FYS 101 First Year Seminar OR	4 cr
ENG 120 Writing for College	3 cr
BUS 100 OR Phil 101	3 cr
ECON 104 Princ. of Macroeconomics**	3 cr
MATH 115 OR MATH 130	3 cr
Core/LS Distribution	<u>3 cr</u>
	15 or 16 cr

SOPHOMORE YEAR

FALL

ACCT 203 Financial Accounting	3 cr
BUS 202 Global Bus & Soc OR Elective	3 cr
BUS Core	3 cr
Core/LS Distribution	3 cr
Core/LS Distribution	<u>3 cr</u>
	15 cr

SPRING

ACCT 204 Managerial Accounting	3 cr
BUS 202 Global Bus & Soc OR Elective	3 cr
BUS Core	3 cr
Core/LS Distribution	3 cr
Core/LS Distribution	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

BUS Core	3 cr
BUS Core	3 cr
Core/LS Distribution	3 cr
PHIL 200 OR CMPT 300	3 cr
Internship/Elective	<u>3 cr</u>
	15 cr

SPRING

BUS Core	3 cr
BUS Core/Emphasis/Elective	3 cr
Core/LS Distribution	3 cr
PHIL 200 OR CMPT 300	3 cr
Internship/Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

BUS Core/Elective	3 cr
BUS Emphasis	3 cr
BUS Core/Emphasis/Elective	3 cr
Core/LS Distribution	3 cr
Internship/Elective	<u>3 cr</u>
	15 cr

SPRING

BUS 477 Management Strategy	3 cr
BUS Emphasis	3 cr
BUS Emphasis	3 cr
Elective	2 cr
Internship/Elective	<u>3 cr</u>
	14 cr

Business Foundation Courses:

BUS 100 Introduction to Business
BUS 202 Global Environment of Business

Business Core Emphasis Introductory Courses:

BUS 301 Human Resource Management
BUS 320 Financial Management
BUS 340 Marketing Management

Business Core Courses:

BUS 302 Organizational Behavior
 BUS 382 Legal Foundations of Business
 BUS 388 Operations Management

Business Capping Course:

BUS 477 Management Strategy/Policy

Business Core/LS Requirements:

History (2 Courses/6 Credits)
 Science (2 Courses/6 Credits)

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

CATHOLIC STUDIES MINOR

JOHN KNIGHT, Ph.D., *Coordinator*

JANET STIVERS, Ph.D.

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 requirement.

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	<u>3 cr</u>	9 cr
B.	Elective Courses		<u>9 cr</u>
	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 (History and Culture 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 Culture Studies		

Total Credit Requirement for a Minor in Catholic Studies

18 cr

CHEMISTRY

ELISA WOOLRIDGE, Ph.D., *Chairperson*

MISSION:

The mission of the Department of Chemistry, Biochemistry, & 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.S. 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

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

Core Courses:

38 cr

CHEM 111 General Chemistry I: Introduction to Inorganic Chemistry
CHEM 112 General Chemistry II: Introduction to Physical Chemistry
CHEM 115 General Chemistry Laboratory I
CHEM 116 General Chemistry Laboratory II
CHEM 203 Computational Chemistry
CHEM 211 Organic Chemistry I
CHEM 212 Organic Chemistry II
CHEM 215 Organic Chemistry I Laboratory
CHEM 216 Organic Chemistry II Laboratory
CHEM 355 Analytical Chemistry
CHEM 361 Physical Chemistry: Thermodynamics & Kinetics
CHEM 362 Physical Chemistry: Quantum & Statistical Mechanics
CHEM 365 Experimental Physical Chemistry: Thermodynamics & Kinetics

CHEM 366 Experimental Physical Chemistry: Quantum & Statistical Mechanics
 CHEM 474 Research Methods in Chemistry I (Capping)
 CHEM 475 Research Methods in Chemistry II
 CHEM 476 Research Methods in Chemistry III

Two or more additional courses selected from the following: 6 cr

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

Students seeking ACS certification must take CHEM 420, 423, 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 Laboratory I*** 1 cr
 PHYS 214 Physics Laboratory II 1 cr

*Choice consistent with background in Computer Science

**PHYS 221 Modern Physics may be substituted for either PHYS 211 or PHYS 212 with departmental approval

***PHYS 222 Modern Physics Lab may be substituted for either PHYS 213 or PHYS 214 with departmental approval

Credit Requirement in Related Fields 19 cr

Total Credit Requirement for a Major in Chemistry 63 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

FYS 101 First Year Seminar 4 cr
 ENG 120 Writing for College 3 cr

7 cr

3.2 DISTRIBUTION

Breadth

PHIL 101 Philosophical Perspectives 3 cr
 Ethics, Applied Ethics, or Religious Studies 3 cr
 Fine Arts 3 cr
 History 3 cr
 Literature 3 cr
 Mathematics 0 cr (fulfilled by major field req.)
 Natural Science 0 cr (fulfilled by major field req.)
 Social Science 3 cr

18 cr

Pathway*

Courses addressing an interdisciplinary topic.

12 cr

Total Core/Liberal Studies Requirement 37 cr

4.0 Electives 20 cr

Recommended Course

MATH 321 Differential Equations

Total Credit Requirement for Graduation 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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 111 General Chemistry I: Introduction to Inorganic Chemistry		
	CHEM 112 General Chemistry II: Introduction to Physical Chemistry		
	CHEM 115 General Chemistry Laboratory I		
	CHEM 116 General Chemistry Laboratory II		
	CHEM 203 Computational Chemistry		
	CHEM 211 Organic Chemistry I		
	CHEM 212 Organic Chemistry II		
	CHEM 215 Organic Chemistry Laboratory I		
	CHEM 216 Organic Chemistry Laboratory II		
	CHEM 355 Analytical Chemistry		
	CHEM 361 Physical Chemistry: Thermodynamics & Kinetics		
	CHEM 362 Physical Chemistry: Quantum & Statistical Mechanics		
	CHEM 365 Experimental Physical Chemistry: Thermodynamics & Kinetics		
	CHEM 474 Research Methods in Chemistry I (Capping)		
	CHEM 475 Research Methods in Chemistry II		
	CHEM 476 Research Methods in Chemistry III		
	Additional courses:		8 cr
	CHEM 420 Biochemistry I		
	CHEM 421 Biochemistry II		
	CHEM 423 Biochemistry Laboratory I		
	CHEM 424 Biochemistry Laboratory II		
	Students seeking ACS certification must also take: CHEM 430; and CHEM 431 OR CHEM 366.		
	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 Laboratory I***		1 cr
	PHYS 214 Physics Laboratory II		<u>1 cr</u>
	** PHYS 221 Modern Physics may be substituted for either PHYS 211 or PHYS 212 with departmental approval		
	*** PHYS 222 Modern Physics Lab may be substituted for either PHYS 213 or PHYS 214 with departmental approval		
	Credit Requirement in Related Fields		28 cr
	Total Credit Requirement for a Major in Chemistry		73 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar		4 cr
	ENG 120 Writing for College		<u>3 cr</u>
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives		3 cr

Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	0 cr	(fulfilled by major field req.)
Social Science	<u>3 cr</u>	

18 cr

Pathway*

Courses addressing an interdisciplinary topic.

12 cr

Total Core/Liberal Studies Requirement

37 cr

4.0 Electives

Recommended Courses

BIOL 315 Immunology

BIOL 320 Genetics

MATH 210 Linear Algebra

10 cr

Total Credit Requirement for Graduation

120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

REQUIREMENTS FOR A BACHELOR OF ARTS IN CHEMISTRY

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

1.0 Course Requirements in Chemistry

Core Courses:

35 cr

CHEM 111 General Chemistry I: Introduction to Inorganic Chemistry

CHEM 112 General Chemistry II: Introduction to Physical Chemistry

CHEM 115 General Chemistry Laboratory I

CHEM 116 General Chemistry Laboratory II

CHEM 203 Computational Chemistry

CHEM 211 Organic Chemistry I

CHEM 212 Organic Chemistry II

CHEM 215 Organic Chemistry Laboratory I

CHEM 216 Organic Chemistry Laboratory II

CHEM 355 Analytical Chemistry

CHEM 361 Physical Chemistry: Thermodynamics & Kinetics OR

CHEM 362 Physical Chemistry: Quantum & Statistical Mechanics

CHEM 365 Experimental Physical Chemistry: Thermodynamics & Kinetics OR

CHEM 366 Experimental Physical Chemistry: Quantum & Statistical Mechanics

CHEM 474 Research Methods in Chemistry I (Capping)

CHEM 420 Biochemistry I

CHEM 423 Biochemistry Laboratory I

Credit Requirement in Chemistry

35 cr

2.0 Course Requirements in Related Fields

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 Laboratory I***

1 cr

PHYS 214 Physics Laboratory II

1 cr

** PHYS 221 Modern Physics may be substituted for either PHYS 211 or PHYS 212 with departmental approval

*** PHYS 222 Modern Physics Lab may be substituted for either PHYS 213 or PHYS 214 with departmental approval

Credit Requirement in Related Fields

16 cr

Total Credit Requirement for a B.A. Major in Chemistry

51 cr

3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	3 cr	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	0 cr	(fulfilled by major field req.)
	Social Science	<u>3 cr</u>	
			18 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		
	Total Core/Liberal Studies Requirement		37 cr
4.0	Electives		<u>32 cr</u>
	Recommended Course		
	MATH 210 Linear Algebra		
	Total Credit Requirement for Graduation		120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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		
	Core Courses:	35 cr	
	CHEM 111 General Chemistry I: Introduction to Inorganic Chemistry		
	CHEM 112 General Chemistry II: Introduction to Physical Chemistry		
	CHEM 115 General Chemistry Laboratory I		
	CHEM 116 General Chemistry Laboratory II		
	CHEM 203 Computational Chemistry		
	CHEM 211 Organic Chemistry I		
	CHEM 212 Organic Chemistry II		
	CHEM 215 Organic Chemistry Laboratory I		
	CHEM 216 Organic Chemistry Laboratory II		
	CHEM 355 Analytical Chemistry		
	CHEM 361 Physical Chemistry: Thermodynamics & Kinetics		
	CHEM 365 Experimental Physical Chemistry: Thermodynamics & Kinetics		
	CHEM 474 Research Methods in Chemistry I (Capping)		
	CHEM 420 Biochemistry I		
	CHEM 423 Biochemistry Laboratory I		
	Credit Requirement in Chemistry		35 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	3-4 cr	
	OR BIOL 201 Human Anatomy and Physiology I		
	OR BIOL 312 Microbiology		
	OR BIOL 315 Immunology		
	OR BIOL 320 Genetics		
	OR BIOL 325 Histology		

OR BIOL 340 Comparative Anatomy	
OR BIOL 435 Plant Physiology	
OR BIOL 440 Vertebrate Physiology	
OR BIOL 493 Molecular Biology	
OR CHEM 421 Biochemistry II	
OR ENSC 404 Toxicology	
OR MEDT 301 Clinical Microbiology I	
OR MEDT 305 Clinical Chemistry I	
OR MEDT 315 Hematology I	
OR MEDT 340 Clinical Immunology	
OR MEDT 345 Clinical Microscopy I	
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 Laboratory I***	1 cr
PHYS 214 Physics Laboratory II***	<u>1 cr</u>

**PHYS 221 Modern Physics may be substituted for either PHYS 211 or PHYS 212 with departmental approval

***PHYS 222 Modern Physics Lab may be substituted for either PHYS 213 or PHYS 214 with departmental approval

Credit Requirement in Related Fields 27-28 cr

Total Credit Requirement for a B.A. Major in Biochemistry 62-63 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	
		7 cr

3.2 DISTRIBUTION

Breadth

PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	0 cr	(fulfilled by major field req.)
Social Science	<u>3 cr</u>	
		18 cr

Pathway*

Courses addressing an interdisciplinary topic. 12 cr

Total Core/Liberal Studies Requirement 37 cr

4.0 Electives

Recommended Courses

BIOL 315 Immunology		<u>20-21 cr</u>
BIOL 320 Genetics		

Total Credit Requirement for Graduation 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

REQUIREMENTS FOR A MINOR IN CHEMISTRY

CHEM 111 General Chemistry I: Introduction to Inorganic Chemistry	3 cr
CHEM 112 General Chemistry II: Introduction to Physical Chemistry	3 cr
CHEM 115 General Chemistry Laboratory I	1 cr
CHEM 116 General Chemistry Laboratory II	1 cr
CHEM 211 Organic Chemistry I	3 cr

CHEM 212 Organic Chemistry II	3 cr
CHEM 215 Organic Chemistry Laboratory I	1 cr
CHEM 216 Organic Chemistry Laboratory II	1 cr

Two courses chosen from two different groups. One of these courses must be accompanied by its corresponding lab course. 7-9 cr

Group 1: CHEM 355 Analytical Chemistry* OR CHEM 310 Environmental Chemistry OR CHEM 474 Res Methods in Chemistry I (Capping)*

Group 2: CHEM 361 Thermodynamics & Kinetics** OR CHEM 362 Quantum & Statistical Mechanics**

Group 3: CHEM 430 Adv. Inorganic Chemistry OR CHEM 440 Adv. Organic Chemistry 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 require PHYS 211 (or 221) – 212; CHEM 362 requires 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

FALL

CHEM 111 General Chemistry I	3 cr
CHEM 115 General Chemistry Lab I	1 cr
MATH 241 Calculus I	4 cr
PHIL 101 Philosophical Perspectives	3 cr
FYS 101 First Year Seminar	4 cr
	<u>15 cr</u>

SPRING

CHEM 112 General Chemistry II	3 cr
CHEM 116 General Chemistry Lab II	1 cr
MATH 210 Linear Algebra	3 cr
ENG 120 Writing for College	3 cr
Core/LS Pathway	3 cr
Core/LS Pathway	<u>3 cr</u>
	16 cr

SOPHOMORE YEAR

FALL

CHEM 203 Computational Chemistry	3 cr
CHEM 211 Organic Chemistry I	3 cr
CHEM 215 Organic Chemistry Lab I	1 cr
PHYS 211 General Physics I	3 cr
PHYS 213 Physics Lab I	1 cr
MATH 242 Calculus II	<u>4 cr</u>
	15 cr

SPRING

CHEM 212 Organic Chemistry II	3 cr
CHEM 216 Organic Chemistry Lab II	1 cr
PHYS 212 General Physics II	3 cr
PHYS 214 Physics Lab II	1 cr
Core/LS Pathway	3 cr
Core/LS Pathway	<u>3 cr</u>
	14 cr

JUNIOR YEAR

FALL

CHEM 355 Analytical Chemistry	4 cr
CHEM 362 Quantum & Stat Mechanics	3 cr
Core/LS Ethics	3 cr
Core/LS Fine Arts	3 cr
Elective	3 cr
	<u>16 cr</u>

SPRING

CHEM 361 Thermodynamics & Kinetics	3 cr
CHEM 365 Expt Thermodynamics & Kinetics	1 cr
CHEM 366 Expt Quantum & Stat Mechanics	1 cr
CHEM 474 Research Methods in Chem I (Capping)	4 cr
Core/LS History	3 cr
Elective	<u>2 cr</u>
	14 cr

SENIOR YEAR

FALL

CHEM 475 Research Methods in Chem II	2 cr
CHEM Elective	3 cr
Core/LS Literature	3 cr
Elective	<u>6 cr</u>
	14 cr

SPRING

CHEM 476 Research Methods in Chem III	1 cr
CHEM Elective	3 cr
Core/LS Social Science	3 cr
Electives	<u>9 cr</u>
	16 cr

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

FRESHMAN YEAR

FALL

CHEM 111 General Chemistry I	3 cr
CHEM 115 General Chemistry Lab I	1 cr
BIOL 130 General Biology I	4 cr
MATH 241 Calculus I	4 cr
FYS 101 First Year Seminar	<u>4 cr</u>
	16 cr

SPRING

CHEM 112 General Chemistry II	3 cr
CHEM 116 General Chemistry Lab II	1 cr
BIOL 131 General Biology II	4 cr
MATH 242 Calculus II	4 cr
ENG 120 Writing for College	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR**FALL**

CHEM 203 Computational Chemistry	3 cr
CHEM 211 Organic Chemistry I	3 cr
CHEM 215 Organic Chemistry Lab I	1 cr
PHYS 211 General Physics I	3 cr
PHYS 213 Physics Lab I	1 cr
PHIL 101 Philosophical Perspectives	3 cr

14 cr**JUNIOR YEAR****FALL**

CHEM 355 Analytical Chemistry	4 cr
CHEM 420 Biochemistry I	3 cr
CHEM 423 Biochemistry Lab I	1 cr
Core/LS Pathway	3 cr
Core/LS Pathway	3 cr
Elective	<u>1 cr</u>

15 cr

SENIOR YEAR**FALL**

CHEM 362 Quantum & Stat Mechanics	3 cr
CHEM 475 Research Methods in Chem II	3 cr
Core/LS Fine Arts	3 cr
Core/LS History	3 cr
Electives	4 cr

15 cr**SPRING**

CHEM 212 Organic Chemistry II	3 cr
CHEM 216 Organic Chemistry Lab II	1 cr
PHYS 212 General Physics II	3 cr
PHYS 214 Physics Lab II	1 cr
Core/LS Pathway	3 cr
Core/LS Pathway	3 cr
Elective	<u>1 cr</u>

15 cr

SPRING

CHEM 421 Biochemistry II	3 cr
CHEM 424 Biochemistry Lab II	1 cr
CHEM 474 Research Methods in Chem I (Capping)	4 cr
BIOL 450 Biotechnology	4 cr
Core/LS Ethics	3 cr

15 cr**SPRING**

CHEM 361 Thermodynamics & Kinetics	3 cr
CHEM 365 Expt Thermodynamics & Kinetics	1 cr
CHEM 476 Research Methods in Chem III	1 cr
Core/LS Literature	3 cr
Core/LS Social Science	3 cr
Elective	<u>4 cr</u>

15 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN CHEMISTRY**FRESHMAN YEAR****FALL**

CHEM 111 General Chemistry I	3 cr
CHEM 115 General Chemistry Lab I	1 cr
MATH 241 Calculus I	4 cr
FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr

15 cr**SPRING**

CHEM 112 General Chemistry II	3 cr
CHEM 116 General Chemistry Lab II	1 cr
MATH 242 Calculus II	4 cr
ENG 120 Writing for College	3 cr
Core/LS Pathway	3 cr
Elective	<u>1 cr</u>

15 cr

SOPHOMORE YEAR**FALL**

CHEM 203 Computational Chemistry	3 cr
CHEM 211 Organic Chemistry I	3 cr
CHEM 215 Organic Chemistry Lab I	1 cr
PHYS 211 General Physics I	3 cr
PHYS 213 Physics Lab I	1 cr
Core/LS Pathway	3 cr

14 cr**SPRING**

CHEM 212 Organic Chemistry II	3 cr
CHEM 216 Organic Chemistry Lab II	1 cr
PHYS 212 General Physics II	3 cr
PHYS 214 Physics Lab II	1 cr
Core/LS Pathway	3 cr
Core/LS Pathway	3 cr
Elective	<u>2 cr</u>

16 cr

JUNIOR YEAR**FALL**

CHEM 355 Analytical Chemistry	4 cr
Liberal Arts Elective OR	
CHEM 362 Quantum & Stat Mechics	3 cr
Core/LS Ethics	
Core/LS Fine Arts	3 cr
Liberal Arts Elective	3 cr

16 cr**SPRING**

Liberal Arts Elective OR	
CHEM 361 Thermodynamics & Kinetics	3 cr
CHEM 365 Expt Thermodynamics & Kinetics OR	
CHEM 366 Expt Quantum & Stat Mechanics	1 cr
Core/LS History	3 cr
Core/LS Literature	3 cr
Core/LS Social Science	3 cr
Elective	<u>1 cr</u>

14 cr

SENIOR YEAR**FALL**

CHEM 420 Biochemistry I	3 cr
CHEM 423 Biochemistry I Lab	1 cr
Liberal Arts Elective	6 cr
Elective	<u>5 cr</u>

15 cr

SPRING

CHEM 474 Research Methods in Chem I (Capping)	4 cr
Liberal Arts Elective	6 cr
Elective	5 cr

14 cr

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

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN BIOCHEMISTRY

FRESHMAN YEAR

FALL

CHEM 111 General Chemistry I	3 cr
CHEM 115 General Chemistry Lab I	1 cr
BIOL 130 General Biology I	4 cr
MATH 241 Calculus I	4 cr
FYS 101 First Year Seminar	<u>4 cr</u>
	16 cr

SPRING

CHEM 112 General Chemistry II	3 cr
CHEM 116 General Chemistry Lab II	1 cr
BIOL 131 General Biology II	4 cr
MATH 242 Calculus II	4 cr
ENG 120 Writing for College	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

CHEM 203 Computational Chemistry	3 cr
CHEM 211 Organic Chemistry I	3 cr
CHEM 215 Organic Chemistry Lab I	1 cr
PHYS 211 General Physics I	3 cr
PHYS 213 Physics Lab I	1 cr
PHIL 101 Philosophical Perspectives	3 cr
Elective	<u>1 cr</u>
	15 cr

SPRING

CHEM 212 Organic Chemistry II	3 cr
CHEM 216 Organic Chemistry Lab II	1 cr
PHYS 212 General Physics II	3 cr
PHYS 214 Physics Lab II	1 cr
Core/LS Pathway	3 cr
Core/LS Pathway	<u>3 cr</u>
	14 cr

JUNIOR YEAR

FALL

CHEM 420 Biochemistry I	3 cr
CHEM 423 Biochemistry I Lab	1 cr
Core/LS Pathway	3 cr
Core/LS Pathway	3 cr
Core/LS Ethics	3 cr
Core/LS Fine Arts	<u>3 cr</u>
	16 cr

SPRING

CHEM 361 Thermodynamics & Kinetics	3 cr
CHEM 365 Expt Thermodynamics & Kinetics	1 cr
Core/LS History	3 cr
Core/LS Literature	3 cr
Liberal Arts Elective	3 cr
Elective	<u>1 cr</u>
	14 cr

SENIOR YEAR

FALL

CHEM 355 Analytical Chemistry	4 cr
Core/LS Social Science	3 cr
Liberal Arts Elective	3 cr
Elective	<u>6 cr</u>
	16 cr

SPRING

CHEM 474 Research Methods in Chem I (Capping)	4 cr
Biology Elective	4 cr
Elective	6 cr
	<u>14 cr</u>

COGNITIVE SCIENCE MINOR

ANDREI A. BUCKAREFF, Ph.D., *Co-Director*

KRISTIN JAY, Ph.D., *Co-Director*

Cognitive Science is an interdisciplinary program that offers students the ability to study the nature of cognition and its importance in our lives. All students take four foundation courses (Introduction to Psychology, Philosophical Perspectives, Foundations of Cognitive Science, and Moral Cognition) and four distribution courses. The distribution courses come from Anthropology, Biology, Computer Science, English, Mathematics, Philosophy, and Psychology. In fulfilling the distribution requirement, students must take courses in at least three of those disciplines. Of the courses in the distribution requirement, no more than one course can be at the 100-level, at least two courses must be 300-level or above, and no more than two courses (which must be 300-level or above) can be from the student's major field of study. Coursework for the minor must be completed with a C average.

The minor is appropriate for students interested in exploring different dimensions of cognition, including but not limited to the neurobiological underpinnings of cognitive processes, the role of cognition in the production of purposeful behavior and in making moral judgments, and cognition in non-human animals and computers. The minor will also be useful in preparing interested students for graduate work in any of the various cognate disciplines that together comprise the field of cognitive science.

The minor requires a total of 24 credits distributed as follows:

- | | | | |
|----|--|------|-------|
| A. | Foundation | | |
| | PHIL 101 Philosophical Perspectives | 3 cr | |
| | PSYC 101 Introduction to Psychology | 3 cr | |
| | PHIL 205 / PSYC 205 Foundations of Cognitive Sciences | 3 cr | |
| | PHIL 302 Moral Cognition | 3 cr | |
| | | | 12 cr |
| B. | Distribution | | 12 cr |
| | Students must take four courses in at least three different disciplines. No more than one course can be at the 100-level. At least two courses must be at the 300-level or above. No more than two courses (which must be 300-level or above) from the student's major field of study can be used to fulfill the distribution requirements. Courses must be chosen from: | | |

ANTH 101 Introduction to Physical Anthropology
 BIOL 232 Sex, Evolution, and Behavior
 BIOL 305 Animal Behavior
 CMPT 120 Introduction to Programming
 CMPT 404 Artificial Intelligence
 CMPT 412 Robotics
 CMPT 440 Formal Languages and Computability
 ENG 201 Introduction to Linguistics
 ENG 343 Theory of Mind: Cognitive Approaches to American Literature
 ENG 301 History of the English Language
 ENG 302 World Englishes
 MATH 130 Introductory Statistics I
 MATH 131 Introductory Statistics II
 MATH 310 Introduction to Mathematical Reasoning
 MATH 412 Computational Linear Algebra
 PHIL 203 Introduction to Logic
 PHIL 310 Symbolic Logic
 PHIL 324 Contemporary Analytic Philosophy
 PHIL 325 Contemporary Continental Philosophy
 PHIL 335 Metaphysics
 PHIL 336 Epistemology
 PHIL 345 Philosophy of Mind
 PHIL 338 Philosophy of Science
 PHIL 339 Philosophy of Language
 PHIL 334 Free Will
 PSYC 206 Psycho-Biological Sex Differences
 PSYC 301 Biopsychology and Lab
 PSYC 302 Neurobiology of Learning and Memory and Lab
 PSYC 303 Developmental Neuropsychology and Lab
 PSYC 305 Neurobiology and Neuropsychology of Learning Disabilities and Lab
 PSYC 306 Cognitive Neuroscience and Neuropsychology and Lab
 PSYC 342 Cognitive Psychology

Total Credit Requirement for a Minor in Cognitive Science

24 cr

COMMUNICATION

JEN EDEN, Ph.D., *Chairperson*

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, Journalism, Public Relations, 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 for those students who wish to combine the study of communication with a major in another discipline.

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 five concentrations that will focus their study of communication on: advertising, communication studies, journalism, public relations, 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 220 Principles of Strategic Advertising
COM 324 Research and Consumer Insights
COM 329 Creative Problem Solving
COM 314 Media Strategy
COM 423 Strategic Advertising Campaign Development

Select one:

COM 354 Visual Storytelling
COM 358 Digital, Direct & Database Advertising
COM 424 Branding

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

Journalism Concentration (18 cr)

COM 242 Introduction to Journalism
COM 243 Journalism Skills
COM 466 Journalism Workshop

Select one:

COM 236 News Editing
COM 322 Newswriting
COM 327 Magazine Writing
COM 331 Broadcast Newswriting

Select one:

COM 328 Magazine Layout & Design
COM 332 Producing the Newscast
COM 345 Photojournalism

Select one:

COM 300 Mass Communication Law
COM 341 Press in America
COM 342 Readings in Journalism

Public Relations Concentration (18 cr)

COM 211 Fundamentals of Public Relations Theory & Practice
COM 212 Public Relations Writing Tools
COM 333 Applied Research and Analytics
COM 418 Communication Campaign Management

Select one of two specializations:

Public Relations Management Specialization

COM 347 Reputation and Relationship Management
COM 419 Case Studies in Public Relations Management

Integrated Communication Specialization

COM 348 Integrated Strategies, Tactics and Stakeholders
COM 419 Case Studies In Public Relations Management

Sports Communication Concentration (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 (15 credits)

Each student is required to take five additional communication elective courses beyond their concentration requirements, two of which can be at the 200 level while the other three must be at the 300-400 level. A student, in consultation with a communication faculty advisor, will select five 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.

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 (6 credits)

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

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 or COM 400 toward meeting the requirements for the Foreign Language and/or Culture requirement.

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 400 Gender, Culture, and Communication
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 321 Contemporary Political Theory
POSC 251 Comparative Political Systems I: Great Britain and Western Europe
POSC 252 Comparative Political Systems: CIS and Eastern Europe
POSC 271 Nationalism and Communism in China and Taiwan
POSC 113 International Relations
POSC 280 International Communication and Negotiation
POSC 285 The History and Political Culture of Ireland
POSC 325 Political Economy: East Asia
POSC 350 Latin American Politics
POSC 236 Politics of Developing Areas
POSC 355 Comparative Political Systems: Middle East
POSC 290 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	15 cr	
	Communication Capping Course	<u>3 cr</u>	
	Credit Requirement in Communication		48 cr
2.0	Course Requirements in Related Fields		
	Foreign Language and/or Culture courses	<u>6 cr</u>	
	Credit Requirement in Related Fields		<u>6 cr</u>
	Total Credit Requirement for a Major in Communication		54 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	3 cr	
	Natural Science	3 cr	
	Social Science	<u>3 cr</u>	
			24 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		
	Total Core/Liberal Studies Requirement		43 cr
4.0	General Electives		<u>23 cr</u>
	Total Credit Requirement for Graduation		120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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

Note: Students with a communication major cannot also minor in communication. Instead, students should declare a second concentration as part of their communication major. Students can only declare **one** communication minor.

Choose one of the six (6) communication concentration areas:

18 cr

Advertising (18 cr)

COM 102 Introduction to Communication
COM 220 Principles of Strategic Advertising
COM 324 Research and Consumer Insights
COM 329 Creative Problem Solving
COM 314 Media Strategy

Select one:

COM 354 Visual Storytelling
COM 358 Digital, Direct & Database Advertising
COM 424 Branding

Communication Studies (18 cr)

COM 101 Public Presentations
COM 102 Introduction to Communication
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 (18 cr)

COM 101 Public Presentations
COM 102 Introduction to Communication
COM 200 Research Strategies and Methods
Plus three Communications electives, two of which must be upper-level

Journalism (18 cr)

COM 102 Introduction to Communication
COM 242 Introduction to Journalism
COM 243 Journalism Skills

Select one:

COM 236 News Editing
COM 322 Newswriting
COM 327 Magazine Writing
COM 331 Broadcast Newswriting

Select one:

COM 328 Magazine Layout & Design
COM 332 Producing the Newscast
COM 345 Photojournalism

Select one:

COM 300 Mass Communication Law
COM 341 Press in America
COM 342 Readings in Journalism

Public Relations (18 cr)

COM 102 Introduction to Communication
COM 211 Fundamentals of Public Relations Theory & Practice
COM 212 Public Relations Writing Tools
COM 333 Applied Research and Analytics
COM 418 Communication Campaign Management

Select one:

Public Relations Management Specialization

COM 419 Case Studies in Public Relations Management

Integrated Communication Specialization

COM 422 Case Studies in Integrated Communication

Sports Communication (18 cr)

COM 102 Introduction to Communication
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

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN COMMUNICATION

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
COM 102 Introduction to Communication OR COM 101 Public Presentation	3 cr
COM 103 Digital Toolbox OR Core/LS	3 cr
Core/LS	<u>3 cr</u>
	16 cr

SPRING

PHIL 101 Philosophical Perspectives	3 cr
Core/LS	3 cr
COM 101 Public Presentations OR COM 102 Introduction to Communication	3 cr
COM 103 Digital Toolbox OR Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

COM 200 Comm Research OR Core/LS	3 cr
COM Concentration	3 cr
COM Concentration OR COM Foreign Language/Culture	3 cr
Core/LS	3 cr
Core/LS	3 cr
	<u> </u>
	15 cr

SPRING

Core/LS OR COM 200 Comm Research	3 cr
COM Concentration	3 cr
COM Foreign Language/Culture OR COM Concentration	3 cr
General Elective	3 cr
General Elective	3 cr
CRDV 100 Employment Practicum	<u>1 cr</u>
	16 cr

JUNIOR YEAR

FALL

Possible Semester Abroad	
COM Concentration OR COM Elective	3 cr
COM Concentration	3 cr
COM Elective	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

Possible Semester Abroad	
COM Elective OR COM Concentration	3 cr
COM Elective	3 cr
Core/LS	3 cr
COM Foreign Language/Culture	3 cr
General Elective	<u>1 cr</u>
	13 cr

SENIOR YEAR

FALL

Possible Internship	
COM Elective OR COM 401 Capping	3 cr
COM Elective OR COM Concentration	3 cr
Core/LS	3 cr
General Elective	3 cr
General Elective	<u>3 cr</u>
	15 cr

SPRING

Possible Internship	
COM 401 Capping OR COM Elective	3 cr
COM Concentration OR COM Elective	3 cr
General Electives OR COM Internship	9 cr
	<u> </u>
	15 cr

COMPUTER SCIENCE

MATTHEW A. JOHNSON, M.S., *Chairperson*

MISSION:

The mission of the Department of Computing 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 Computing 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 business community that provide many students with experience in their chosen fields.

The Department of Computing 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 that are selected by the students to correspond to their personal and career interests.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN COMPUTER SCIENCE WITH A CONCENTRATION IN SOFTWARE DEVELOPMENT

1.0	Course requirements in Computer Science	4 cr	
	CMPT 120 Introduction to Programming	4 cr	
	CMPT 220 Software Development I	4 cr	
	CMPT 221 Software Development II	4 cr	
	CMPT 230 Software Systems and Analysis	4 cr	
	CMPT 306 Data Communications and Networks	4 cr	
	CMPT 308 Database Management	4 cr	
	CMPT 307 Internetworking	4 cr	
	CMPT 330 System Design	4 cr	
	CMPT 422 Computer Organization and Architecture	4 cr	
	CMPT 435 Algorithm Analysis and Design	3 cr	
	Concentration electives ¹	10–12 cr	
	CMPT 475 CS Project I	3 cr	
	CMPT 476 CS Project II	1 cr	
			53–55 cr
2.0	Course Requirements in Related Fields		
	BUS 100 Introduction to Business and Management	3 cr	
	MATH 130 Introduction to Statistics	3 cr	
	MATH 241 Calculus I	4 cr	
	MATH 205 Discrete Mathematics	4 cr	
			<u>14 cr</u>
Total Credit Requirement for a Major in Computer Science with a Concentration in Software Development			67–69 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics: CMPT 305 Technology, Ethics, and Society Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	3 cr	
	Social Science	3 cr	
			21 cr
	Pathway*		
	Courses addressing an interdisciplinary topic.		<u>12 cr</u>
Total Core/Liberal Studies Requirement			40 cr
4.0	Electives (and/or Internship)		<u>11-13 cr</u>
Total Credit Requirement for Graduation			120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

¹ Concentration electives for software development: Five courses make up the concentration electives: CMPT 424 (Operating Systems), CMPT 432 (Design of Compilers), CMPT 331 (Theory of Programming Languages), CMPT 333 (Language Study), CMPT 440 (Formal Languages and Computability). Students choose either CMPT 424 or CMPT 432, CMPT 331 or CMPT 440, and a third course from among the concentration electives not taken already.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN COMPUTER SCIENCE WITH A CONCENTRATION IN SOFTWARE DEVELOPMENT

FRESHMAN YEAR

FALL

CMPT 120 Introduction to Programming	4 cr
MATH 130 Introduction to Statistics	3 cr
BUS 100 Intro to Business and Management	3 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	<u>3 cr</u>
	16 cr

SPRING

CMPT 220 Software Development I	4 cr
CMPT 230 Software Systems and Analysis	4 cr
MATH 205 Discrete Math I	4 cr
FYS 101 First-Year Seminar	<u>4 cr</u>
	16 cr

SOPHOMORE YEAR

FALL

CMPT 306 Data Communications and Networks	4 cr
CMPT 221 Software Development II	4 cr
CMPT 308 Database Management	4 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

MATH 241 Calculus I	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

CMPT 422 Computer Org. & Architecture	4 cr
Concentration elective	4 cr
CMPT 305 Technology, Ethics, and Society	3 cr
Core/LS	<u>4 cr</u>
	15 cr

SPRING

CMPT 435 Algorithm Analysis and Design	4 cr
Concentration elective	3 cr
Core/general elective	8 cr
	<u>15 cr</u>

SENIOR YEAR

FALL

CMPT 475 CS Project I	3 cr
Core/LS	6 cr
Elective/Internship	6 cr
	<u>15 cr</u>

SPRING

CMPT 476 CS Project II	1 cr
Concentration elective	4 cr
Core/LS	3 cr
Elective/Internship	<u>5 cr</u>
	13 cr

REQUIREMENTS FOR A DEGREE IN COMPUTER SCIENCE WITH A CONCENTRATION IN GAME DESIGN AND PROGRAMMING

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

1.0 Course requirements in Computer Science

CMPT 120 Introduction to Programming	4 cr
CMPT 220 Software Development I	4 cr
CMPT 221 Software Development II	4 cr
CMPT 230 Software Systems and Analysis	4 cr
CMPT 306 Data Communications and Networks	4 cr
CMPT 308 Database Management	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
CMPT 422 Computer Organization and Architecture	4 cr
CMPT 435 Algorithm Analysis and Design	3 cr
Concentration courses ²	11–12 cr
CMPT 475 CS Project I	3 cr
CMPT 476 CS Project II	1 cr
	54–55 cr

2.0 Course requirements in Related Fields

BUS 100 Introduction to Business and Management	3 cr
MATH 130 Introduction to Statistics	3 cr
MATH 241 Calculus I	4 cr
MATH 205 Discrete Mathematics	4 cr
PHYS 211 General Physics I	3 cr
	<u>17 cr</u>

Total Credit Requirement for a Major in Computer Science with a Concentration in Game Design and Programming

71–72 cr

3.0 Core/Liberal Studies Requirements

² Concentration courses for Game Design and Development: Students take CMPT 414 (Game Design and Programming I), CMPT 415 (Game Design and Programming II), and either CMPT 446 (Computer Graphics) or CMPT 404 (Artificial Intelligence).

3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics: CMPT 305 Technology, Ethics, and Society Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	0 cr	(fulfilled by major field req.)
	Social Science	3 cr	
			18 cr
	Pathway*		12 cr
	Courses addressing an interdisciplinary topic.		
	Total Core/Liberal Studies Requirement		37 cr
4.0	Electives (and/or Internship)		<u>11 cr</u>
	Total Credit Requirement for Graduation		120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN COMPUTER SCIENCE WITH A CONCENTRATION IN GAME DESIGN AND PROGRAMMING

FRESHMAN YEAR

FALL

CMPT 120 Introduction to Programming	4 cr
MATH 130 Introduction to Statistics	3 cr
BUS 100 Intro to Business and Management	3 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	<u>3 cr</u>
	16 cr

SPRING

CMPT 220 Software Development I	4 cr
CMPT 230 Software Systems and Analysis	4 cr
MATH 205 Discrete Math I	4 cr
FYS 101 First-Year Seminar	4 cr
	<u>16 cr</u>

SOPHOMORE YEAR

FALL

CMPT 306 Data Communications and Networks	4 cr
CMPT 221 Software Development II	4 cr
CMPT 308 Database Management	4 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

MATH 241 Calculus I	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

CMPT 422 Computer Org. & Architecture	4 cr
Concentration elective	4 cr
PHYS 211 General Physics I	3 cr
Core/LS	<u>3 cr</u>
	14 cr

SPRING

CMPT 435 Algorithm Analysis & Design	4 cr
Concentration elective	3-4 cr
Core/electives	7-8 cr
	<u>15 cr</u>

SENIOR YEAR

FALL

CMPT 305 Technology, Ethics, and Society	3 cr
CMPT 475 CS Project I	3 cr
Core/LS	<u>9 cr</u>
	15 cr

SPRING

CMPT 476 CS Project II	1 cr
Concentration elective	4 cr
Core/Electives/Internship	<u>9 cr</u>
	14 cr

REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE

CMPT 120L Introduction to Programming	4 cr
CMPT 220L Software Development I	4cr
CMPT 221L Software Development II	4cr
MATH 205 Discrete Mathematics	4cr
Two approved upper-level CMPT courses	6–8 cr

Total Credit Requirement for a Minor in Computer Science

22–24 cr

REQUIREMENTS FOR A MINOR IN CYBERSECURITY

The minor in cybersecurity focuses on applying information technology to improve the security of data processing, storage, and communications within organizations. This program is especially appropriate for technical professionals who wish to assume leadership roles in cybersecurity innovation. Developing a core skill set in cybersecurity will help individuals looking to make themselves more marketable in an increasingly technology-dependent world. The typical audience for the minor includes individuals earning their B.S. degree in computer science or information technology and systems who wish to expand their information security knowledge and get hands-on experience with modern hacking and penetration testing tools. The minor also provides necessary cybersecurity skills to students in related disciplines, such as criminal justice and pre-law.

MINOR IN CYBERSECURITY AREAS OF EMPHASIS:

Framework and key concepts based on established cybersecurity certifications
Hands-on experience in cyber-defense tools and techniques
Security governance and ethics
Penetration testing of data center servers, storage, and networks
Implementing data confidentiality, integrity, and authentication
Managing mobile device and wireless security

REQUIREMENTS FOR A MINOR IN CYBER SECURITY

CMPT 120 Introduction to Programming	4 cr
CMPT 306 Data Communication and Networks	4 cr
CMPT 307 Internetworking	4 cr
CMPT 416 Introduction to Cybersecurity	4 cr
CMPT 417 Hacking and Penetration Testing	3 cr
CMPT 418 Mobile Security	4 cr

Total Credit Requirement for a Minor in Cybersecurity

23 cr

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

EITEL LAURIA, Ph.D., *Graduate Director, Department of Computing Technology*

In addition to its undergraduate major in Computer Science, the Department of Computing 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.

Five-Year Program

The Five-Year program allows undergraduates to earn a B.S. and a M.S. degree in five years. In the current program, students apply in second semester junior year and if accepted, begin the five-year program in the first semester of what would have been their senior year. Students in the current program earn 143 credits.

The Five-Year program in the revised MSCS/SD program is modeled on the current program. The differences are only in the courses the students take and the number of credits in the revised program, which are 144 credits.

The table below gives the full five-year program, starting with freshman year. Starting in the fall of the senior year students take Software Design & Dev instead of CS Project I.

In the spring of senior year, students take Database Mgt Sys and Track course 1 instead of CS Project II and the undergraduate Elective/Internship.

In the fall of the fifth-year, students take Security Protocols, Networks, and Track course 2.

In the spring of the fifth year, students take Project and two graduate electives.

These details are in the table below. Note indicates the replacement graduate course for the undergraduate course and credits.

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

IMPORTANT NOTE: Updated requirements for students entering the program after that time will be reflected in future catalogs.

1.0	Undergraduate Course Requirements in Computer Science		
	CMPT 120 Introduction to Programming	4 cr	
	CMPT 220 Software Development I	4 cr	
	CMPT 221 Software Development II	4 cr	
	CMPT 230 Software Systems and Analysis	4 cr	
	CMPT 306 Data Communications and Networks	4 cr	
	CMPT 307 Internetworking	4 cr	
	CMPT 308 Database Management	4 cr	
	CMPT 330 System Design	4 cr	
	CMPT 422 Computer Organization and Architecture	4 cr	
	CMPT 435 Algorithm Analysis and Design	3 cr	
	Concentration electives	15 cr	
			54 cr
2.0	Course Requirements in Related Fields		
	BUS 100 Introduction to Business and Management	3 cr	
	MATH 130 Introduction to Statistics	3 cr	
	MATH 241 Calculus I	4 cr	
	MATH 250 Discrete Mathematics	4 cr	
			<u>14 cr</u>
Total Credit Requirement for a Major in Computer Science with a Concentration in Software Development			68 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	3 cr	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics: CMPT 305 Technology, Ethics, and Society Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	3 cr	
	Social Science	<u>3 cr</u>	
			18 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			40 cr
4.0	Graduate Courses taken at the Undergraduate Level		
	MSCS 510 Software Design and Development	4 cr	
	MSCS 542 Database Management Systems	4 cr	
	Track Course 1	4 cr	
Total Graduate Courses Taken at an Undergraduate Level			<u>12 cr</u>
Total Undergraduate Credit Requirements			120 cr
5.0	Fifth Year Graduate Courses		
	MSCS 630 Security Protocols	4 cr	
	MSCS 710 Project	4 cr	
	Track Course 2	4 cr	
			24 cr
6.0	MSCS Grad Electives (and/or Internship)		12 cr
Total Requirement for Graduation			144 cr

Tracks

Cloud Computing

MSCS 679 Parallel Processing	4 cr
MSCS 621 Cloud Computing I	4 cr

Mobile Computing

MSCS 565 Game Development I	4 cr
MSCS 722 Enterprise Mobile Dev	4 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A B.S./M.S. IN COMPUTER SCIENCE/SOFTWARE DEVELOPMENT

Important Note: Updated requirements for students entering the program after that time will be reflected in future catalogs.

FRESHMAN YEAR

FALL

CMPT 120 Introduction to Programming	4 cr
MATH 130 Introduction to Statistics	3 cr
BUS 100 Introduction to Business & Management	3 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	<u>3 cr</u>
	16 cr

SPRING

CMPT 220 Software Development I	4 cr
CMPT 230 Software Systems and Analysis	4 cr
MATH 250 Discrete Math I	4 cr
FYS 101 First-Year Seminar	4 cr
	<u>16 cr</u>

SOPHOMORE YEAR

FALL

CMPT 306 Data Communication and Networks	4 cr
CMPT 221 Software Development II	4 cr
CMPT 308 Database Management	4 cr
Core Fine Arts	<u>3 cr</u>
	15 cr

SPRING

MATH 241 Calculus 1	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core History	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

CMPT 422 Computer Organization	4 cr
CMPT 305 Technology, Ethics, and Society	3 cr
Concentration Elective	4 cr
Core Literature	3 cr
	<u>14 cr</u>

SPRING

CMPT 435 Algorithm Analysis and Design	3 cr
Concentration Elective	4 cr
Concentration Elective	3 cr
Core Social Science	3 cr
Core Science	<u>3 cr</u>
	16 cr

NOTE: Students selected for Five-Year Program at this point.

SENIOR YEAR

FALL

MSCS 510 Software Design and Development	4 cr
Concentration Elective	4 cr
Core Pathway	<u>6 cr</u>
	14 cr

SPRING

MSCS 542 Database Management Systems	4 cr
Core Pathway	6 cr
Track I	<u>4 cr</u>
	14 cr

FIFTH YEAR

FALL

MSCS 630 Security Protocols	4 cr
MSCS Grad Elective	4 cr
Track 2 course	<u>4 cr</u>
	12 cr

SPRING

MSCS 710 Project	4 cr
MSCS Grad Elective	4 cr
MSCS Grad Elective	<u>4 cr</u>
	12 cr

CRIMINAL JUSTICE

JULIE B. RAINES, J.D., Ph.D., *Department Chair*

MISSION:

The Criminal Justice Department is dedicated to helping students think critically and apply criminological theory to practical experience in service to the justice community and society. Upon completion, students will have mastered the knowledge, methods of inquiry, and intellectual skills pertinent to the study of the causes, consequences, and responses to crime and its interrelatedness to other areas of inquiry, including diversity and theories of criminology.

All courses focus on the study of crime and delinquency from a variety of perspectives: cause of crime, societal reaction, punishment and rehabilitation, as well as the philosophy and practice of social control and administration of justice. Students gain practical experience in the field where they apply criminological theory and provide service to the community. Emphasis is particularly placed on critical thinking and problem solving.

It is possible for students who plan carefully early in their college careers to double major in Criminal Justice and Psychology. Students who are interested in working with victims of crime and/or individuals who become involved in the criminal justice system may want to consider this option. For example, a possible career path might include working in a correctional facility and providing treatment counseling, which will require graduate work. To pursue this option, students should contact the Chair of either Criminal Justice or Psychology.

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 202 Criminology		
	CRJU 230 Policing in America		
	CRJU 235 Corrections and Penology		
	CRJU 302 Criminal Courts		
	CRJU 306 Criminal Law and Procedure		
	CRJU 305 Juvenile Justice and Delinquency		
	CRJU 374 Criminal Justice Research Methods		
	CRJU 477 Senior Seminar: Capping Course		
	CRJU 496 Criminal Justice Internship I		
			30 cr
1.1.	One additional Criminal Justice course from:		
	CRJU 314 Race and Crime		
	CRJU 440 Cross Cultural Criminal Justice System		3 cr
1.2	Three additional Criminal Justice courses from:		
	CRJU 206 Criminal and Scientific Investigation		
	CRJU 221 Law and Society		
	CRJU 242 Drug and Alcohol Use and Abuse		
	CRJU 310 CJ Ethics		
	CRJU 314 Race and Crime		
	CRJU 348/PSYC 348 Psychological Perspectives on Criminal Behavior		
	CRJU 350 Organized Crime		
	CRJU 393 Special Topics		
	CRJU 440 Cross Cultural Criminal Justice System		
	CRJU 497-499 Internship II, III, IV		<u>9 cr</u>
	Credit Requirement in Criminal Justice		42 cr
2.0	Course Requirements in Related Fields		
	MATH 130 Introductory Statistics I*		<u>3 cr</u>
	Credit Requirement in Related Fields		<u>3 cr</u>
	* Fulfills one Core/LS Math requirement		
	Total Credit Requirement for a Major in Criminal Justice		45 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	
	Natural Science	3 cr	
	Social Science	<u>3 cr</u>	
			21 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		

Total Core/Liberal Studies Requirement	40 cr
4.0 Electives	<u>35 cr</u>
Total Credit Requirement for Graduation	120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN CRIMINAL JUSTICE

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENGL 120 Writing for College	3 cr
CRJU 101 Intro to Criminal Justice	3 cr
CRJU 230 Policing in America	<u>3 cr</u>
	16 cr

SPRING

CRJU 202 Criminology	3 cr
Core/LS History	3 cr
Core/LS Fine Arts	3 cr
CRJU 235 Corrections & Penology	3 cr
Core/LS Literature	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

CRJU 302 Criminal Courts	3 cr
Elective	3 cr
Elective	3 cr
Elective	1 cr
Core/LS Science	3 cr
Core/LS Pathway	<u>3 cr</u>
	16 cr

SPRING

CRJU 306 Crim Law & Proc	3 cr
CRJU Elective	3 cr
MATH 130 Intro To Statistics	3 cr
Elective	3 cr
Core/LS Pathway	3 cr
	<u>15 cr</u>

JUNIOR YEAR

FALL

CRJU 305 Juv Justice & Del	3 cr
CRJU Elective	3 cr
Core/LS Pathway	3 cr
Elective	3 cr
Elective	3 cr
	<u>15 cr</u>

SPRING (Study Abroad)

CRJU 314 Race and Culture OR	
CRJU 440 Cross Cult CJ Systems	3 cr
Core/LS Pathway	3 cr
Core/LS Social Science	3 cr
Elective	3 cr
Elective	<u>1 cr</u>
	13 cr

SENIOR YEAR

FALL

CRJU Elective	3 cr
CRJU 374 Research Methods	3 cr
Core/LS Applied Ethics	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

CRJU 477 Capping	3 cr
CRJU 496 Internship	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

REQUIREMENTS FOR A MINOR IN CRIMINAL JUSTICE

1.0 CRJU 101 Introduction to Criminal Justice	3 cr
CRJU 230 Policing in America	3 cr
CRJU 235 Corrections & Penology	3 cr
CRJU 302 Criminal Courts	3 cr
And two additional Criminal Justice courses	<u>6 cr</u>

Total Credit Requirement for a Minor in Criminal Justice 18 cr

SEE THE RECOMMENDED PROGRAM SEQUENCE FOR DOUBLE MAJOR IN CRIMINAL JUSTICE/PSYCHOLOGY PRESENTED WITH THE PSYCHOLOGY MAJOR.

DATA SCIENCE AND ANALYTICS

JOSEPH KIRTLAND, PhD, *Chairperson, Dept. of Mathematics*

MATTHEW A. JOHNSON, M.S., *Chairperson, Dept. of Computing Technology*

MISSION:

Data Science & Analytics builds on a core of computer science, information technology and systems, mathematics and statistics. Data Science is, in simple terms, the extraction of knowledge from data. Analytics is a sister term, used mostly in business settings to characterize the analysis of business data to describe, predict, and improve business performance. These disciplines include statistical analysis, machine learning, data mining, probabilistic modeling, computer programming, distributed and high performance computing, and database management. Graduates of the data science & analytics program develop a thorough understanding of the field, learn to manage data effectively, are prepared to apply statistical techniques for the analysis of data, and learn to explore data, communicate data analysis findings through visualizations and build models from data to describe phenomena and make predictions on future occurrences and events. Students in this program learn to develop large scale data mining applications, as well as implementing algorithms and designing, building and managing large, distributed data (“big data”) systems.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN DATA SCIENCE AND ANALYTICS

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

1.0	Course Requirements in Major Field		
	CMPT 120 Introduction to Programming	4 cr	
	CMPT 220 Software Development I	4 cr	
	CMPT 435 Algorithm Analysis & Design	4 cr	
	CMPT 308 Database Management	4 cr	
	CMPT 428 Data & Information Mgmt	4 cr	
	DATA 220 Introduction to Data Analysis	4 cr	
	DATA 300 Data Visualization	3 cr	
	DATA 440 Machine Learning	4 cr	
	DATA 450 Data Mining & Predictive Analytics	3 cr	
	DATA 477 Data Science Project (capstone)	3 cr	
	MATH 241 Calculus I	4 cr	
	MATH 242 Calculus II	4 cr	
	MATH 343 Calculus III	4 cr	
	MATH 205 Discrete Mathematics	4 cr	
	MATH 210 Linear Algebra	4 cr	
	MATH 330 Probability & Statistics	3 cr	
	MATH 331 Applied Statistics	3 cr	
1.1	Choose two electives from:	6-7 cr	
	CMPT 404 Artificial Intelligence	3 cr	
	CMPT 460 Decision Support & Business Intelligence Systems	4 cr	
	MATH 412 Computational Linear Algebra	3 cr	
	MATH 430 Operations Research	3 cr	
	Credit Requirement in Major Field	69-70 cr	
2.0	Course Requirements in Related Fields	<u>0 cr</u>	
	Total Credit Requirement for a Major in Data Science & Analytics		69-70 cr
3.0	Core / Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	3 cr	
	Credit Requirement in Foundation		7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major req.)
	Natural Science	3 cr	
	Social Science	3 cr	

Credit Requirement in Distribution: Breadth	21 cr
Pathway**	
Courses addressing an interdisciplinary topic	<u>12 cr</u>
Total Credit Requirement for Core / Liberal Studies	40 cr
4.0 General electives and/or Internships	11-10 cr
Total Credit Requirement for Graduation	120 cr

** Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN DATA SCIENCE AND ANALYTICS

FRESHMAN YEAR

FALL		SPRING	
CMPT 120 Introduction to Programming	4 cr	MATH 242 Calculus II	4 cr
MATH 241 Calculus I	4 cr	CMPT 220 Software Development I	4 cr
DATA 220 Introduction to Data Analysis	4 cr	PHIL 101 Philosophical Perspectives	3 cr
FYS 101 First-Year Seminar	<u>4 cr</u>	ENG 120 Writing for College	<u>3 cr</u>
	16 cr		14 cr

SOPHOMORE YEAR

FALL		SPRING	
MATH 243 Calculus III	4 cr	CMPT 435 Algorithm Analysis & Design	4 cr
MATH 205 Discrete Mathematics	4 cr	DATA 300 Data Visualization	3 cr
CMPT 308 Database Management	4 cr	MATH 210 Linear Algebra	4 cr
Core/LS	<u>3 cr</u>	Core/LS	<u>3 cr</u>
	15 cr		14 cr

JUNIOR YEAR

FALL		SPRING	
MATH 330 Probability & Statistics	3 cr	DATA 450 Machine Learning	4 cr
Major elective	3-4 cr	CMPT 305 Data & Information Mgmt	4 cr
Core/LS	3 cr	MATH 331 Applied Statistics	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	<u>3 cr</u>		
	15-16 cr		14 cr

SENIOR YEAR

FALL		SPRING	
DATA 450 Data Mining & Predictive Analytics	3 cr	DATA 477 Data Science Project (caps)	3 cr
Major elective	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Elective/ Internship	7-6 cr
Elective/ Internship	<u>4 cr</u>		
	16 cr		16-15 cr

REQUIREMENTS FOR A MINOR IN SCIENCE IN DATA SCIENCE AND ANALYTICS

CMPT 120 Introduction to Programming	4 cr
MATH 241 Calculus I	4 cr
DATA 220 Introduction to Data Analysis	4 cr
DATA 300 Data Visualization	3 cr
DATA 450 Data Mining & Predictive Analytics	<u>3 cr</u>
Total Credit Requirement for a Minor in Data Science	18 cr

ECONOMICS

ANN DAVIS, Ph.D., *Chairperson*

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.

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, Money and Banking, International Financial Policies and Issues, 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
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The Technical and Analytical Foundation (12-13 credits)

The following courses provide the economics major with the tools needed for economic analysis:

CMPT 103 Technology for the 21st Century	3 cr
MATH 130 Introductory Statistics I	3 cr
MATH 115 Calculus with Management Applications OR	
MATH 241 Calculus I	3-4 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	<u>3 cr</u>	
	Credit Requirement in Economics		30 cr
2.0	Course Requirements in Related Fields		
	CMPT 103 Technology for the 21st Century	3 cr	
	MATH 130 Introductory Statistics I	3 cr	
	MATH 115 Calculus with Management Applications OR		
	MATH 241 Calculus I	<u>3-4 cr</u>	
	Credit Requirement in Related Fields		<u>9-10 cr</u>
	Total Credit Requirement for a Major in Economics		39-40 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr

3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	3 cr	
	Social Science	<u>0 cr</u>	(fulfilled by major field req.)
		18 cr	
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		

Total Core/Liberal Studies Requirement 37 cr

4.0 Electives 43-44 cr

Total Credit Requirement for Graduation 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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	<u>3-4 cr</u>	12-13 cr

Upper-Level Courses

ECON 303 Intermediate Microeconomic Theory	3 cr
ECON 304 Intermediate Macroeconomic Theory	3 cr

Two courses from the following:

ECON 305 Environmental Economics	<u>6 cr</u>
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 432 International Financial Policies and Issues	
ECON 442 International Economics	
ECON 443 History of Economic Thought	
	<u>12 cr</u>

Total Credit Requirement for a Minor in Economics

24-25 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ECONOMICS

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
ECON 103 Principles of Microeconomics	3 cr
CMPT 103 Technology for 21st Century	3 cr
MATH 120 Precalculus OR Elective	3 cr
	<u>16 cr</u>

SPRING

PHIL 101 Philosophical Perspectives	3 cr
ECON 104 Principles of Macroeconomics	3 cr
MATH 241 Calculus I OR	3-4 cr
MATH 115 Calculus/Mgmt Applications	
Core/LS Distribution	3 cr
Elective	<u>3 cr</u>
	15-16 cr

SOPHOMORE YEAR

FALL

ECON 303 Intermediate Microeconomics	3 cr
MATH 130 Introductory Statistics	3 cr
Core/LS Distribution	3 cr
Core/LS Distribution	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

ECON 304 Intermediate Macroeconomics	3 cr
Core/LS Distribution	3 cr
Core/LS Distribution	3 cr
Elective (liberal arts)	3 cr
Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

Economics Elective	3 cr
Core/LS Distribution	3 cr
Core/LS Distribution	3 cr
Elective (liberal arts)	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

Economics Elective	3 cr
Economics Elective	3 cr
Elective (liberal arts)	3 cr
Elective (liberal arts)	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

Economics Elective	3 cr
Economics Elective	3 cr
Core/LS Distribution	3 cr
Elective (liberal arts)	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

ECON 477 Contemporary Economic Issues	3 cr
Core/LS Distribution	3 cr
Elective (liberal arts)	3 cr
Elective (liberal arts)	3 cr
Elective	<u>2 cr</u>
	14 cr

EDUCATION

EDWARD J. SULLIVAN, Ed.D., *Associate Dean for Teacher Education*

MISSION:

Preparing reflective professionals who think critically and work collaboratively to help all students learn.

The teacher education programs are designed to develop reflective professionals. The programs of study integrate a strong liberal arts foundation with research-validated pedagogical knowledge. As members of a community of learners, candidates 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. Marist College is accredited (through 2020) under the National Council for Accreditation of Teacher Education (NCATE) Standards through the CAEP Accreditation System. Marist College will seek accreditation under the Council for the Accreditation of Educator Preparation (CAEP) Standards in spring 2020. Formed in 2013, CAEP is the single specialized accreditor for educator preparation, and administers NCATE accreditation.

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 candidates 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 Director of Clinical Teacher Preparation and Certification for information.

Certain candidates may also choose to seek acceptance into the Accelerated Program, resulting in dual certification in Childhood Education 1-6 and Students with Disabilities 1-6 and the MA in Educational Psychology. Contact the Director of Graduate Education Programs for information.

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

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

ADMISSION TO THE PROGRAM

Those interested in this program register with the Education Department in the first semester of freshman year to ensure timely completion of requirements necessary for admission to upper-level courses. Minimum requirements for the program are:

- 1) A grade-point average of 2.7 or higher
- 2) Grades of C+ or higher in required courses in the certification sequence

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 is eligible for 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 Education Department.

Candidates who satisfactorily complete the bachelor's degree in the major and all education program requirements, including the achievement of qualifying scores on the New York State assessments, 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, 302, 303, 304, 305 or 306 Biopsychology or Neurobiology	4 cr	(1 course)
	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	<u>1 cr</u>	

* 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 during first year)	0 cr	
	EDUC 101 Foundations of Education	3 cr	
	EDUC 150 Learning Through Technology	3 cr	
	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	
	Note: EDUC 243 STEM 1 and EDUC 244 STEM II will substitute for EDUC 241 and EDUC 242, respectively		
	EDUC 350 The Teaching of Language Arts: Processes and Strategies for General and Special Education	3 cr	
	EDUC 351 Literacy Learning & 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	
	Foreign Language**	3-6 cr	
	Other Field Requirements		
	MATH 130 Introductory Statistics I	3 cr	
	HIST 218 History and Culture of the Mid-Hudson Valley OR HIST 220 New York: The Empire State (Certification Requirement)	<u>3 cr</u>	

*With the exception of EDUC 091 and EDUC 462 (P/F grades), MATH 130 and HIST 218 or HIST 220, 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 54-57 cr

Total Credit Requirement for a Major in Psychology with Dual Education Certification 84-87 cr

3.0 Core/Liberal Studies requirements
(NOTE: 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		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	

History	0 cr	(fulfilled by major field req.)
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	3 cr	
Social Science	<u>0 cr</u>	(fulfilled by major field req.)

15 cr

Pathway*

Courses addressing an interdisciplinary topic.

12 cr

Total Core/Liberal Studies Requirement

34 cr

4.0 Electives

0-3 cr

Total Credit Requirement for Graduation

121 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR PSYCHOLOGY MAJORS PURSUING DUAL CERTIFICATION

FRESHMAN YEAR (Same for Fall or Spring Student Teaching)

FALL

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
EDUC 101 Foundations of Ed	3 cr
Core/LS	3 cr

16 cr

SPRING

PSYC 101 Intro to Psychology	3 cr
HIST 218 Hist & Cult Hudson Valley OR HIST 220 The Empire State	3 cr
MATH 130 Introduction to Statistics	3 cr
Core/LS	3 cr
Core/LS	3 cr
EDUC 091 Fieldwork In Ed	<u>0 cr</u>

15 cr

OPTION I – FALL STUDENT TEACHING

SOPHOMORE YEAR

FALL

PSYC 207 Exceptional Child	3 cr
PSYC 208 Educational Psychology	3 cr
PSYC 317 Child Development	3 cr
EDUC 150 Learning Through Technology	3 cr
Core/LS	<u>3 cr</u>

15 cr

SPRING

EDUC 350 Teach of Lang Arts	3 cr
PSYC 350 Research Methods	4 cr
PSYC 362 Measurement & Evaluation	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>

16 cr

JUNIOR YEAR

FALL

EDUC 351 Lit, Lrn & Art in Social Studies	3 cr
PSYC 301, 302, 303, 304, 305 (Choose One)	4 cr
PSYC 372 Psychoeducational Assessmt	3 cr
EDUC 373 Princ Tchg Stu w/Spec Needs	3 cr
EDUC 376 Behavior Management	3 cr

16 cr

SPRING

EDUC 352 Assess & Rem of Reading & Writ	3 cr
EDUC 241 Math Elem Teach/Methods	3 cr
EDUC 242 Science Elem Teach/Methods	3 cr
EDUC 374 Curric Stat Stud w/Spec Needs	3 cr
Core/LS, Elective or Abroad Attachment	3 cr
PSYC 479 PSYC Seminar	1 cr
EDUC 243 and EDUC 244 substitute for EDUC 241 and EDUC 242	<u>3 cr</u>

16 cr

SENIOR YEAR

FALL

EDUC 462 Student Teaching	12 cr
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12 cr

SPRING

PSYC 478 Capping	3 cr
Core/LS or Elective (Ethics)	3 cr
Core/LS or Elective	3 cr
Core/LS or Elective	3 cr
Core/LS	<u>3 cr</u>

15 cr

OPTION II – SPRING STUDENT TEACHING

SOPHOMORE YEAR

FALL

PSYC 207 Exceptional Child	3 cr
PSYC 208 Educational Psychology	3 cr
PSYC 317 Child Development	3 cr
EDUC 150 Learning Through Technology	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

EDUC 350 Teach of Lang Arts	3 cr
PSYC 350 Research Methods	4 cr
PSYC 362 Measurement & Evaluation	3 cr
PSYC 372 Psychoeducational Assessment	3 cr
Core/LS or Elective	<u>3 cr</u>
	16 cr

SPRING

EDUC 351 Lit, Lrn & Art in Social Studies	3 cr
EDUC 373 Princ Tchg Stu w/Spec Needs	3 cr
EDUC 376 Behavior Management	3 cr
PSYC 301, 302, 303, 304, 305 (Choose One)	4 cr
Core/LS or Elective	<u>3 cr</u>
	16 cr

SENIOR YEAR

FALL

EDUC 352 Ass & Remed of Read/Writing	3 cr
EDUC 241 Math Elem Teach/Methods	3 cr
EDUC 242 Science for Elem Teaching	3 cr
EDUC 243 & 244 substitute for EDUC 241 & 242	
EDUC 374 Curric Strat Stu w/Spec Needs	3 cr
PSYC 478 Capping Course	3 cr
PSYC 479 Psych Seminar	<u>1 cr</u>
	16 cr

SPRING

EDUC 462 Student Teaching	12 cr
	<u>12 cr</u>

ADOLESCENCE EDUCATION – INITIAL CERTIFICATION 7-12

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

- English
- French
- Social Studies (History)
- Spanish
- Mathematics
- Biology
- Chemistry

ADMISSION TO THE PROGRAM

Those 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, candidates 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 established by the content area department
- A minimum overall grade-point average of 2.7
- Grades of C+ or higher in all required courses in the teacher 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 candidates 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 Education Department.

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 required New York State assessment, 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 (prerequisite for upper-level psychology courses)	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 (taken concurrently with Content Methods)	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***	3-6 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

40-43 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 achievement of qualifying scores on the New York State assessments, will be recommended for New York State Initial Certification in their subject area, grades 7-12.

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
EDUC 101 Foundation of Education	3 cr
PHIL 101 Philosophical Perspectives	3 cr
Core/LS	3 cr

SPRING

Psyc 101 Introduction to Psychology	3 cr
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SOPHOMORE YEAR

FALL

PSYC 207 Exceptional Child	3 cr
Foreign Language Requirement	3 cr
EDUC 150 Learning Through Technology	3 cr

SPRING

PSYC 318 Psychology of the Adolescent	3 cr
Foreign Language Requirement	3 cr

OPTION I – Fall Student Teaching in Senior Year and NOT going Abroad

JUNIOR YEAR

FALL

EDUC 354 Teaching of Lang Arts Adol	3 cr
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SPRING

EDUC 355 Teaching Reading & Writing	3 cr
EDUC 410 Part/Obs Secondary Schools	1 cr
EDUC 420-428N Meth Teach Sec. Schools	3 cr

SENIOR YEAR

FALL

EDUC 464 Stu Teach Secondary Schools	12 cr
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SPRING

OPTION II – Fall Student Teaching in Senior Year and Going Abroad

JUNIOR YEAR

FALL

Abroad	12-15 cr
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SPRING

EDUC 354 Teaching the Lang Arts	3 cr
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SENIOR YEAR

FALL

EDUC 355 Teach Lang Arts Content Area	3 cr
EDUC 420-428 Methods of Teach Content Area in Secondary Schools	3 cr
EDUC 410 Part/Obs Secondary Schools	1 cr

SPRING

EDUC 462 Stu Teach Secondary Schools	12 cr
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5 YEAR B.A. PSYCHOLOGY/M.A. EDUCATIONAL PSYCHOLOGY PROGRAM

This program is an extension of the Marist undergraduate Dual Certificate Program in Childhood grades 1-6/Students with Disabilities grades 1-6. Outstanding, academically successful (minimum of 3.2 GPA), and highly motivated Marist undergraduate candidates in Psychology and the Dual-Certificate education program may consider applying to the five-year program which combines the Psychology in Childhood 1-6/Students with Disabilities 1-6 undergraduate program with the M.A. in Educational Psychology program. Marist candidates in the five-year program will receive a B.A. in Psychology, earn a New York State Initial Teaching Certificate in Childhood Education 1-6/ Students with Disabilities grades 1-6, as well as an M.A. in Educational Psychology. The five-year program is a 36-credit graduate program. In this program candidates complete 12 credits of graduate courses starting in the spring semester of their junior year, prior to the completion of the B.A. degree program. Student teaching will be completed in the spring semester of their senior year as part of the B.S. degree requirement. The remaining 24 credits are completed in the fifth year, with graduate student status. Admission to this program is granted to qualified applicants in the fall semester of their junior year. The program is a cohort-based program and fits only for undergraduate candidates who graduate with their Bachelor degree in spring. Inquiry about admission should be made to the Director of Graduate Education Programs (Dr. Zsuzsanna Szabo, zsuzsanna.szabo@marist.edu). Application should be submitted in the fall semester of the junior year.

ENGLISH

TOMMY ZURHELLEN, M.F.A., *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) a minimum of 60 credits earned at Marist College; a minimum of 27 credits earned in English at Marist College;
- (b) a minimum cumulative G.P.A. of 3.25 overall;
- (c) a minimum G.P.A. of 3.5 in English courses;
- (d) 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 I
 ENG 271 Classics of Western Literature II
 ENG 180 Literary Study
 ENG 222 Introduction to Professional Writing OR
 ENG 280 Introduction to Creative Writing

1.2	Upper-Level Distribution (all courses at 300 level or higher) (Must be chosen in consultation with academic advisor) Any six literature courses of 300-level or above, including at least one of each of the following: 1 ethnic, global, or foreign language literature course 1 junior/senior research seminar	18 cr
1.3	Theory Course at the 300-level or higher	3 cr
1.4	Writing Electives 2 writing courses at the 300-level or higher, of which one may be a three-credit internship or a 300-level Theatre course	6 cr
1.5	Capping Course ENG 477	<u>3 cr</u>

Credit Requirement for the Concentration in Literature 42 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	<u>3-6 cr</u>
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Total Credit Requirement for a Major in English 45-48 cr

3.0	Core/Liberal Studies Requirements	
3.1	FOUNDATION FYS 101 First Year Seminar ENG 120 Writing for College	4 cr <u>3 cr</u>
		7 cr
3.2	DISTRIBUTION Breadth PHIL 101 Philosophical Perspectives Ethics, Applied Ethics, or Religious Studies Fine Arts History Literature Mathematics Natural Science Social Science	3 cr 3 cr 3 cr 3 cr 0 cr 3 cr 3 cr <u>3 cr</u>
		(fulfilled by major field req.)
		21 cr
	Pathway* Courses addressing an interdisciplinary topic.	<u>12 cr</u>

Total Core/Liberal Studies Requirement 40 cr

4.0	Electives	<u>32-35 cr</u>
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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.

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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: ENG 270 Classics of Western Literature I ENG 271 Classics of Western Literature II ENG 180 Literary Study ENG 222 Introduction to Professional Writing or ENG 280 Introduction to Creative Writing	12 cr
1.1	Writing Concentration Foundation Course: ENG 218 Grammar, Style, and Editing	3 cr
1.2	Upper-Level Writing Requirement 1 theory course at the 300-level or higher 4 writing courses at the 300-level or higher, one of which may be a three-credit writing internship	15 cr
1.3	Upper-Level Literature Requirement Three 300-level literature courses	9 cr
1.4	Capping Course ENG 477	<u>3 cr</u>

Credit Requirement for the Concentration in Writing 42 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	<u>3-6 cr</u>
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Total Credit Requirement for a Major in English 45-48 cr

3.0	Core/Liberal Studies Requirements	
3.1	FOUNDATION FYS 101 First Year Seminar ENG 120 Writing for College	4 cr <u>3 cr</u> 7 cr
3.2	DISTRIBUTION Breadth PHIL 101 Philosophical Perspectives Ethics, Applied Ethics, or Religious Studies Fine Arts History Literature Mathematics Natural Science Social Science	3 cr 3 cr 3 cr 3 cr 0 cr (fulfilled by major field req.) 3 cr 3 cr <u>3 cr</u> 21 cr
	Pathway* Courses addressing an interdisciplinary topic.	<u>12 cr</u>

Total Core/Liberal Studies Requirement 40 cr

4.0	Electives	<u>32-35 cr</u>
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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.

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements

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

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
 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

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

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION
 FYS 101 First Year Seminar 4 cr
 ENG 120 Writing for College 3 cr
 7 cr

3.2 DISTRIBUTION
 Breadth
 PHIL 101 Philosophical Perspectives 3 cr
 Ethics, Applied Ethics, or Religious Studies 3 cr

Fine Arts	3 cr	
History	3 cr	
Literature	0 cr	(fulfilled by major field req.)
Mathematics	3 cr	
Natural Science	3 cr	
Social Science	<u>3 cr</u>	

21 cr

Pathway* 12 cr
 Courses addressing an interdisciplinary topic.

Total Core/Liberal Studies Requirement 40 cr

4.0 Electives 29-32 cr

Total Credit Requirement for Graduation 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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 103 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 (not to include writing workshops or theatre arts courses)	<u>12 cr</u>

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:	<u>12 cr</u>
3.0	Performance Sequence	
	Two of the following:	
	ENG 227 Acting I	
	ENG 241 Acting II	
	ENG 349 Acting III (NOTE: This course can also count as part of the Production sequence.)	
	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 349 Acting III	
	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 PROFESSIONAL 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 | <u>9 cr</u> |
| | 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 | |
| | ENG 280 Introduction to Creative Writing | 3 cr |
| 2.0 | Required Course | |
| | ENG 218 Grammar, Style and Editing | 3 cr |
| 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 (LITERATURE)

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
English Foundation Course	3 cr
English Foundation Course	<u>3 cr</u>
	16 cr

SPRING

Core/LS	3 cr
Core/LS	3 cr
Elective or minor	3 cr
English Foundation Course	3 cr
English Foundation Course	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

Core/LS	3 cr
Core/LS	3 cr
Foreign Language	3 cr
Upper Level	3 cr
Elective or minor	<u>3 cr</u>
	15 cr

SPRING

Core/LS	3 cr
Core/LS	3 cr
Foreign Language	3 cr
Upper Level	3 cr
Upper Level	<u>3 cr</u>
	15 cr

JUNIOR YEAR**FALL**

Core/LS	3 cr
Core/LS	3 cr
Upper Level	3 cr
Upper Level	3 cr
Elective or minor	<u>3 cr</u>
	15 cr

SPRING

Core/LS	3 cr
Core/LS or elective or minor	3 cr
Upper Level	3 cr
Upper Level	3 cr
Elective or minor	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

Core/LS or minor	3 cr
Core/LS or elective or minor	3 cr
Elective or minor	3 cr
Upper Level	3 cr
English Elective	<u>3 cr</u>
	15 cr

SPRING

ENG 477 English Capping	3 cr
Upper Level	3 cr
Core/LS or minor	3 cr
Elective or minor	3 cr
Elective or minor	<u>2 cr</u>
	14 cr

**RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ENGLISH
(THEATRE)****FRESHMAN YEAR****FALL**

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
English Foundation Course	3 cr
English Foundation Course	<u>3 cr</u>
	16 cr

SPRING

Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
English Foundation Course	3 cr
English Foundation Course	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR**FALL**

Core/LS	3 cr
Core/LS	3 cr
Foreign Language	3 cr
Upper Level Dramatic Literature	3 cr
Theatre Arts Course	<u>3 cr</u>
	15 cr

SPRING

Core/LS	3 cr
Core/LS	3 cr
Foreign Language	3 cr
Upper Level Dramatic Literature	3 cr
Theatre Arts Course	<u>3 cr</u>
	15 cr

JUNIOR YEAR**FALL**

Core/LS	3 cr
Core/LS	3 cr
Upper Level Dramatic Literature	3 cr
Theatre Arts Course	3 cr
Elective or minor	<u>3 cr</u>
	15 cr

SPRING

Core/LS	3 cr
Core/LS or elective or minor	3 cr
Upper Level Dramatic Literature	3 cr
Theatre Arts Course	3 cr
Elective or minor	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

Core/LS or minor	3 cr
Core/LS or minor	3 cr
Elective or minor	3 cr
Elective or minor	3 cr
Upper Level Dramatic Literature	<u>3 cr</u>
	15 cr

SPRING

ENG 477 English Capping	3 cr
Theatre Arts Course	3 cr
Core/LS or elective or minor	3 cr
Elective or minor	3 cr
Elective or minor	<u>2 cr</u>
	14 cr

**RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ENGLISH
(WRITING)****FRESHMAN YEAR****FALL**

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
English Foundation Course	3 cr
English Foundation Course	<u>3 cr</u>
	16 cr

SPRING

Core/LS	3 cr
Core/LS	3 cr
Elective or minor	3 cr
English Foundation Course	3 cr
English Foundation Course	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR**FALL**

Core/LS	3 cr
Core/LS	3 cr
Foreign Language	3 cr
Upper Level Literature	3 cr
Writing Foundation	<u>3 cr</u>
	15 cr

SPRING

Core/LS	3 cr
Core/LS	3 cr
Foreign Language	3 cr
Upper Level Workshop	3 cr
Writing Foundation	<u>3 cr</u>
	15 cr

JUNIOR YEAR**FALL**

Core/LS	3 cr
Core/LS	3 cr
Upper Level Workshop	3 cr
Upper Level Literature or Theory	3 cr
Elective or minor	<u>3 cr</u>
	15 cr

SPRING

Core/LS	3 cr
Core/LS or elective or minor	3 cr
Upper Level Workshop	3 cr
ENG 490 or Internship	3 cr
Elective or minor	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

Core/LS or minor	3 cr
Core/LS or elective or minor	3 cr
Elective or minor	3 cr
Upper Level Literature or Theory	3 cr
Upper Level Workshop	<u>3 cr</u>
	15 cr

SPRING

ENG 477 English Capping	3 cr
Upper Level Literature or Theory	3 cr
Core/LS or minor	3 cr
Elective or minor	3 cr
Elective or minor	<u>2 cr</u>
	14 cr

ENVIRONMENTAL SCIENCE & POLICY

ZOFIA GAGNON, 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 Department of Environmental Science & Policy educates students to become professionals, which grants them the ability to understand and solve environmental problems. More broadly, the program works to develop a body of students within Marist College with a high level of environmental consciousness. The Department has gained a reputation for crafting students who are well-prepared for challenging environmental careers; whereby, employers, both government and private sectors, extol the knowledge and skills our students can and have demonstrated. Whether a student's interest pertains to the political, economic, legal, scientific, or natural aspects of the environment, the Department's program equips the students with a pertinent educational background that is molded to each student's individual needs and goals.

Located in New York's Hudson Valley, our courses offer numerous nearby sites well-suited for field study, and our new Mobile Aquatic Laboratory enables our students to enhance their hands-on skills with studies on the Hudson River. In addition, a vast array of internships are available to augment the learning experience.

For students whose ambition is to pursue graduate studies, our program has a very successful record of placing students in excellent graduate programs by providing a comprehensive undergraduate research experience that utilizes the most up-to-date laboratory equipment, which includes conference presentation opportunities.

This program is also well-suited to accommodate dual majors and minors, allowing students to strengthen their undergraduate education and career preparation.

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

The Environmental Science and Policy Environmental Assessment Concentration has been developed to prepare students for a career developing environmental impact statements investigating the significant short-term and long-term effects of plans, policies, or programs prior to implementation of the proposed action. Students also learn ways to minimize, mitigate, or eliminate the potential hazards. The rigorous and well-rounded coursework is highlighted with extensive field and laboratory experience involving up-to-date equipment and procedures, which students will encounter in the workplace. Upon completing the required OSHA course, students receive an OSHA certification, a very attractive accomplishment to potential employers in both government and private sectors.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE, ASSESSMENT 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 125 Field and Lab Experience	1 cr	
	ENSC 202 Environmental Politics and Policy	3 cr	
	ENSC 210 Intro to Geology	3 cr	
	ENSC 212 Intro to Geology Laboratory	1 cr	
	ENSC 230 Intro to GIS	3 cr	
	ENSC 308 Introduction to Occupational Safety & Health	3 cr	
	ENSC 310 Environmental Chemistry	3 cr	
	ENSC 309 Environmental Chemistry Laboratory	1 cr	
	ENSC 360 Ecology	4 cr	
	ENSS 380 Environmental Assessment	3 cr	
	ENSC 404 Environmental Toxicology	4 cr	
	ENSC 415 Environmental Science Seminar	1 cr	
	ENSC 425 Environmental Law	3 cr	
	ENSC 426 Environmental Investigation & Remediation	3 cr	
	ENSC 440 Research I OR		
	ENSC 398 Internship I	3 cr	
	ENSC 477 Environmental Science & Human Values (Capping)	<u>3 cr</u>	
	Credit Requirement in Environmental Science		45 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 Laboratory	1 cr	
	MATH 130 Intro to Statistics I	3 cr	
	MATH 241 Calculus I	4 cr	
	POSC 110 American National Government	<u>3 cr</u>	
	Related Field Electives:		34 cr
	Must select two additional courses from the following:		
	BUS 380 Business Law I	3 cr	
	ENSC 305 Environmental Economics	3 cr	
	ENSC 306 Environmental Health	3 cr	
	ENSC 315 Natural History of the Hudson Valley	3 cr	
	ENSC 327 Freshwater Ecology	3 cr	
	ENSC 330 Advanced GIS	3 cr	
	ENSC 340 Epidemiology	3 cr	
	ENSC 420 Environmental Planning	3 cr	
	PHYS 201 College Physics I	3 cr	
	POSC 240 Intro to Public Policy	<u>3 cr</u>	
	Related Field Electives:		7 cr
	Credit Requirement in Related Fields		30 cr
	Total Credit Requirement for a Major in Environmental Science & Policy, Assessment Concentration		86 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar:	4 cr	
	ENG 120 Writing for College:	3 cr	
	FOUNDATION		7 cr

3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophy	3 cr	
	Ethics, Applied Ethics, or Religion	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major req)
	Natural Science	0 cr	(fulfilled by major req)
	Social Science	0 cr	(fulfilled by major req)
		15 cr	
	Pathway*		12 cr
	Courses addressing an interdisciplinary topic.		
3.0	Total Core/Liberal Studies Requirement		34 cr

Total Credit Required for Graduation 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

Students enrolled in the Environmental Science and Policy Science Concentration can expect a rigorous and stimulating curriculum. Our program provides the ideal academic preparation for in-depth understanding of environmental considerations as they pertain to the effects of human activity on the dynamics and interrelationships of ecosystems, the health of humans and other organisms, and scholarly pursuit of the, as yet, unknown. Whether a student's personal career interest is in field-work, conducting laboratory research, being actively involved in environmental concerns, or continuing your education with graduate studies, our program's coursework, combined with internships or faculty-mentored scholarly undergraduate research, provides the diversity necessary to thoroughly prepare our students to pursue their desired goals.

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		
	ENSC 101 Intro to Environmental Issues	3 cr	
	ENSC 125 Field and Lab Experience	1 cr	
	ENSC 202 Environmental Politics and Policy	3 cr	
	ENSC 210 Intro to Geology	3 cr	
	ENSC 212 Intro to Geology Lab	1 cr	
	ENSC 230 Intro to GIS	3 cr	
	ENSC 310 Environmental Chemistry	3 cr	
	ENSC 309 Environmental Chemistry Laboratory	1 cr	
	ENSC 315 Natural History of the Hudson Valley	3 cr	
	ENSC 360 Ecology: Principles & Practice	4 cr	
	ENSC 380 Principles of Environmental Assessment	3 cr	
	ENSC 404 Environmental Toxicology	4 cr	
	ENSC 415 Environmental Science & Policy Seminar	1 cr	
	ENSC 440 Research I AND		
	ENSC 441 Research II OR		
	ENSC 398 Internship AND	6 cr	
	ENSC 399 Internship		
	ENSC 477 Environmental Science and Human Values (Capping)	<u>3 cr</u>	
	Credit Requirement in Environmental Science		42 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 241 Calculus I	4 cr	
	POSC 110 American National Government	3 cr	
			34 cr

Related Field Elective Credits (at least 10 credits from the courses below)		
BIOL 312 Microbiology	4 cr	
BIOL/ENSC 435 Plant Physiology	4 cr	
ENSC 306 Environmental Health	3 cr	
ENSC 327 Freshwater Ecology	3 cr	
ENSC 330 Advanced GIS	3 cr	
ENSC 340 Epidemiology	3 cr	
ENSC 308 Intro to Occupational Safety and Health	3 cr	
ENSC 404 Toxicology	4 cr	
ENSC 420 Environmental Planning	3 cr	
ENSC 425 Environmental Law	3 cr	
PHYS 201 College Physics I	3 cr	
		<u>10 cr</u>
Credit Requirement in Related Fields		44 cr
Total Credit Requirement for a Major in Environmental Science & Policy, Science Concentration		86 cr
3.0 Core/Liberal Studies Requirements		
3.1 FOUNDATION		
FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	
		7 cr
3.2 DISTRIBUTION		
Breadth		
PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	0 cr	(fulfilled by major field req.)
Social Science	<u>0 cr</u>	(fulfilled by major field req.)
		15 cr
Pathway*		12 cr
Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement		34 cr
Total Credit Requirement for Graduation		120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

† May replace with CHEM 211-212 Organic Chemistry I-II and CHEM 215-216 Laboratory I-II

* Not all 200-level BIOL courses qualify; consult with advisor.

The Environmental Science and Policy Concentration is designed for environmentally-conscious students interested in a science-oriented approach to environmental problems, who wish to enhance that knowledge with an in-depth exploration of an additional area of interest such as: economics, environmental law, social science, or politics, to name a few. The concentration provides a strong foundation while accommodating each student with much flexibility to create a program well-suited to his/her individual interests. Career preparation is enhanced with the requirement of internships, providing real-world experience, and scholarly research mentored by a faculty member.

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 125 Field and Lab Experience	1 cr
ENSC 202 Environmental Politics and Policy	3 cr
ENSC 230 Intro to GIS	3 cr
ENSC 305 Environmental Economics	3 cr

ENSC 306 Environmental Health	3 cr	
ENSC 360 Ecology: Principles & Practice	4 cr	
ENSC 380 Principles of Environmental Assessment	3 cr	
ENSC 415 Environmental Science & Policy Seminar	1 cr	
ENSC 420 Environmental Planning	3 cr	
ENSC 425 Environmental Law	3 cr	
ENSC 440 Research I AND		
ENSC 441 Research II OR		
ENSC 398 Internship AND	6 cr	
ENSC 399 Internship		
ENSC 477 Environmental Science and Human Values (Capping)	<u>3 cr</u>	
Credit Requirement in Environmental Science		39 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 115 Calculus with Management Applications†	3 cr	
ECON 103 Principles of Microeconomics	3 cr	
POSC 110 American National Government	3 cr	
POSC 240 Intro to Public Policy	3 cr	
		27 cr
Approved Related Field Elective Credits (200 level or above)**		
BIOL 211 Plant Biology	4 cr	
ENSC 315 Natural History of Hudson Valley	3 cr	
ENSC/BIOL 327 Freshwater Ecology	3 cr	
ENSC 330 Advanced GIS	3 cr	
ENSC 308 Intro to Occupational Safety and Health	3 cr	
		<u>11 cr</u>
One additional 100 level POSC course may be taken, and is required for a minor in Political Science.		
Credit Requirement in Related Fields		<u>38 cr</u>
Total Credit Requirement for a Major in Environmental Science & Policy, Policy Concentration		77 cr
3.0 Core/Liberal Studies Requirements		
3.1 FOUNDATION		
FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	
		7 cr
3.2 DISTRIBUTION		
Breadth*		
PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	0 cr	(fulfilled by major field req.)
Social Science	0 cr	(fulfilled by major field req.)
		15 cr
Pathway*		<u>12 cr</u>
Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement		34 cr
4.0 Electives		<u>9 cr</u>
Total Credit Requirement for Graduation		120 cr

† May replace with MATH 241 Calculus I

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

** Not all 200-level courses qualify; consult with advisor.

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 102 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	
		19-23 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 305 Natural History of the Hudson Valley	3 cr	
ENSC 306 Environmental Health	3 cr	
ENSC 309 Environmental Chemistry Lab ¹	1 cr	
ENSC 310 Environmental Chemistry ¹	3 cr	
ENSC/BIOL 327 Freshwater Ecology	3 cr	
ENSC 380 Principles of Environmental Assessment	3 cr	
ENSC 340 Epidemiology	3 cr	
ENSC 404 Environmental Toxicology	4 cr	
BIOL 211 Plant Biology	4 cr	
BIOL 420 Invertebrate Zoology	4 cr	
BIOL/ENSC 435 Plant Physiology	4 cr	
		<u>6 cr</u>

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 ²	3 cr	
ENSC/POSC 202 Environmental Politics & Policy ³	3 cr	
ENSC 230 Intro to Geographic Info Systems	3 cr	
ENSC/ECON 305 Environmental Economics ^{1,3}	3 cr	
ENSC/POSC 420 Environmental Planning ^{1,3}	3 cr	
ENSC 425 Environmental Law	<u>3 cr</u>	
		18 cr

Electives

3 cr

Options:

a. Choose three elective credits related to the minor with approval of Chair of Environmental Science & Policy

ENSC 210 Intro to Geology	3 cr
ENSC 212 Intro to Geology Lab	3 cr
ENSC 230 Intro to GIS	3 cr
ENSC 306 Environmental Health	3 cr
ENSC 309 Environmental Chemistry ¹	3 cr
ENSC 310 Environmental Chemistry Laboratory ¹	3 cr
ENSC 315 Natural History of Hudson Valley	3 cr
ENSC 327 Freshwater Ecology	3 cr
ENSC 308 Intro to Occupational Safety and Health	3 cr
ENSC 404 Environmental Toxicology	3 cr
BIOL 211 Plant Biology	3 cr

- 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)	<u>9 cr</u>

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 306 Environmental Health	3 cr
ENSC 313 Environmental Microbiology ¹	3 cr
ENSC 315 Natural History of Hudson Valley	3 cr
ENSC/BIOL 327 Freshwater Ecology ¹	3 cr
ENSC/CHEM 310 Environmental Chemistry ¹	3 cr
ENSC/BIOL 360 Ecology: Principles and Practice ¹	4 cr
ENSC 308 Intro to Occupational Safety and Health	3 cr
ENSC 404 Environmental Toxicology ¹	4 cr
BIOL 211 Plant Biology ¹	4 cr

Social Sciences and Humanities

ENSC/POSC 202 Environmental Politics & Policy	3 cr
ENSC/ECON 305 Environmental Economics ¹	3 cr
ENSC/POSC 420 Environmental Planning ¹	3 cr
ENSC 425 Environmental Law	3 cr
ENSC 230 Intro to Geographic Info Systems (GIS)	3 cr
ECON 150 Economics of Social Issues	3 cr
ECON 340 Economic Development: Toward Global Equality ¹	3 cr
POSC/GBST 103 Intro to Global Studies	3 cr

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, ASSESSMENT CONCENTRATION

FRESHMAN YEAR

FALL

BIOL 130 General Biology I	4 cr
CHEM 131 General Chemistry I	4 cr
ENSC 101 Intro to Environmental Issues	3 cr
ENSC 125 Field & Lab Experience	1 cr
FYS 101 First Year Seminar	<u>4 cr</u>
	16 cr

SPRING

BIOL 131 General Biology II	4 cr
CHEM 132 General Chemistry II	4 cr
PHIL 101 Philosophy (Breadth)	3 cr
ENG 120 Writing for College	3 cr
	<u>14 cr</u>

SOPHOMORE YEAR

FALL

BIOL 211 Plant Biology	4 cr
ENSC 230 Intro to GIS	3 cr
CHEM 201 Intro to Organic Chemistry	3 cr
CHEM 202 Intro to Organic Laboratory	1 cr
POSC 110 American Nat'l Gov't	3 cr
Breadth	3 cr
	<u>17 cr</u>

SPRING

ENSC 210 Intro to Geology	3 cr
ENSC 212 Geology Laboratory	1 cr
ENSC 202 Environ Politics & Policy	3 cr
ENSC 310 Environ Chemistry	3 cr
ENSC 309 Environ Chemistry Lab	1 cr
MATH 130 Statistics I	3 cr
Breadth	<u>3 cr</u>
	17 cr

JUNIOR YEAR**FALL**

ENSC 360 Ecology	4 cr
MATH 241 Calculus I	4 cr
Breadth	3 cr
Pathway	3 cr
	<hr/>
	14 cr

SPRING

ENSC 380 Environ Assessment	3 cr
Related Field Elective	3-4 cr
ENSC 415 Envir Science & Policy Seminar	1 cr
ENSC 308 Intro to OSHA	3 cr
Pathway	3 cr
	<hr/>
	13-14 cr

SENIOR YEAR**FALL**

ENSC 426 Envir Investigation & Remediation	3 cr
ENSC 440 Research I OR	
ENSC 398 Internship I	3 cr
Related Field Elective	3-4 cr
Breadth	3 cr
Pathway	3 cr
	<hr/>
	15-16 cr

SPRING

ENSC 477 Envir Science & Human Values	3 cr
ENSC 404 Environmental Toxicology	4 cr
ENSC 425 Environmental Law	3 cr
Pathway	3 cr
	<hr/>
	13 cr

RECOMMENDED PROGRAM SEQUENCE FOR ENVIRONMENTAL SCIENCE & POLICY, SCIENCE CONCENTRATION**FRESHMAN YEAR****FALL**

FYS 101 Freshman Year Seminar	4 cr
BIOL 130 General Biology I	4 cr
CHEM 131 General Chemistry I	4 cr
ENSC 101 Intro to Environmental Issues	3 cr
ENSC 125 Field & Laboratory Experience	3 cr
	<hr/>
	16 cr

SPRING

PHIL 101 Philosophical Perspectives	3 cr
BIOL 131 General Biology II	4 cr
CHEM 132 General Chemistry II	4 cr
ENG 120 Writing for College	3 cr
	<hr/>
	14 cr

SOPHOMORE YEAR**FALL**

BIOL 211 Plant Biology	4 cr
ENSC 230 Introduction to GIS	3 cr
CHEM 201 Intro to Organic Chemistry I	3 cr
CHEM 202 Intro to Organic Chemistry I Lab	1 cr
POSC 110 American National Government	3 cr
Breadth	3 cr
	<hr/>
	17 cr

SPRING

ENSC 202 Environmental Politics & Policy	3 cr
ENSC 210 Intro to Geology	3 cr
ENSC 212 Intro to Geology Lab	1 cr
ENSC 310 Environmental Chemistry	3 cr
ENSC 309 Environmental Chemistry Lab	1 cr
MATH 130 Intro to Statistics I	3 cr
Elective	1 cr
	<hr/>
	14 cr

JUNIOR YEAR**FALL**

ENSC 315 Natural History of the Hudson Valley	3 cr
ENSC 360 Ecology: Principles & Practice	4 cr
MATH 241 Calculus I	4 cr
Related Field Elective	3 cr
	<hr/>
	14 cr

SPRING

ENSC 380 Principles of Env Assessment	3 cr
ENSC 415 Env Sci & Policy Seminar	1 cr
Related Field Elective	3-4 cr
Breadth	6 cr
Pathway	3 cr
	<hr/>
	16-17 cr

SENIOR YEAR**FALL**

ENSC 440 Research I or	3 cr
ENSC 398 Internship I	
Related Field Elective	3-4 cr
Breadth	3 cr
Pathway	6 cr
	<hr/>
	15-16 cr

SPRING

ENSC 441 Research II OR	3 cr
ENSC 399 Internship II	
ENSC 404 Environmental Toxicology	4 cr
ENSC 477 Env Sci & Human Values	3 cr
Pathway	3 cr
	<hr/>
	13 cr

RECOMMENDED PROGRAM SEQUENCE FOR ENVIRONMENTAL SCIENCE & POLICY, POLICY CONCENTRATION**FRESHMAN YEAR****FALL**

FYS 101 Freshman Year Seminar	4 cr
BIOL 130 General Biology I	4 cr
CHEM 101 Intro to Chemistry	3 cr
CHEM 102 Intro to Chemistry Lab	1 cr
ENSC 101 Intro to Environmental Issues	3 cr
ENSC 125 Field & Lab Exp	1 cr
	<hr/>
	16 cr

SPRING

PHIL 101 Philosophical Perspectives	3 cr
BIOL 131 General Biology II	4 cr
ENG 120 Writing for College	3 cr
MATH 115 Calculus with Management	3 cr
Breadth	3 cr
	<hr/>
	16 cr

SOPHOMORE YEAR

FALL

ENSC 230 Introduction to GIS	3 cr
MATH 130 Intro to Statistics I	3 cr
POSC 110 American National Government	3 cr
Breadth	3 cr
Free Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

ENSC 360 Ecology: Principles & Practice	4 cr
ENSC 305 Environmental Economics	3 cr
POSC 240 Intro to Public Policy	3 cr
Related Field Elective	3-4 cr
Pathway	<u>3 cr</u>
	16-17 cr

SENIOR YEAR

FALL

ENSC 440 Research I OR	3 cr
ENSC 398 Internship I	
Related Field Elective	3-4 cr
Pathway	3 cr
Free Elective	3 cr
	<u>12-13 cr</u>

SPRING

ENSC 202 Environmental Politics & Policy	3 cr
ENSC 306 Environmental Health	3 cr
ECON 103 Microeconomics	3 cr
Related Field Elective	3-4 cr
Breadth	<u>3 cr</u>
	15-16 cr

SPRING

ENSC 380 Prin of Env Assessment	3 cr
ENSC 420 Environmental Planning	3 cr
ENSC 415 Environmental Sci & Policy Seminar	1 cr
Breadth	3 cr
Pathway	<u>3 cr</u>
	13 cr

SPRING

ENSC 441 Research II OR	3 cr
ENSC 399 Internship II	
ENSC 425 Environmental Law	3 cr
ENSC 477 Environmental Sci & Human Values	3 cr
Free Elective	3 cr
Pathway	<u>3 cr</u>
	15 cr

FASHION DESIGN

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. Internships are an integral part of the learning experience in the Fashion Program, as is the effective use of technology, including computer-aided design and industry-specific software.

The Fashion Program for Fashion Design features a comprehensive curriculum leading to the Bachelor of Fine Arts degree. 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 Runway Show. Fashion Design Majors may pursue a minor in Fashion Merchandising or Product Development.

REQUIREMENTS FOR A BACHELOR OF FINE ARTS IN FASHION DESIGN

Portfolio Requirement: Students wishing to enter the Fashion Design concentration 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

FASH 100 Fashion in Culture & Commerce	3 cr
FASH 130 Fashion Figure Drawing	1 cr
FASH 140 Fashion Design I: Drawing & Color*	3 cr
FASH 126 Creative Process	3 cr
FASH 200 Textiles: Studies & Applications	3 cr
FASH 210 Design Studio Techniques*	3 cr
FASH 230 Apparel Development I*	3 cr
FASH 231 Apparel Development II*	3 cr
FASH 235 Fashion Trend Forecasting & Analysis	3 cr
FASH 240 Fashion Design II: Presentation*	3 cr
FASH 245 Digital Fashion Design I	3 cr
FASH 268 Digital Fashion Design II	3 cr
FASH 300 Product Development	3 cr
FASH 310 Apparel Development III*	3 cr
FASH 345 Fashion Design III: Design Workshop*	3 cr
FASH 381 History of Modern Fashion	3 cr
FASH 400 Employment Seminar	1 cr
FASH 478 Fashion Design Capping I: Portfolio Development*	3 cr
FASH 479 Fashion Design Capping II: Collections I*	3 cr
FASH 480 Fashion Design Capping III: Collection II*	<u>3 cr</u>

Credit Requirement in Fashion Design

56 cr

2.0	Course Requirements in Related Fields	
	ART 160 History of Western Art I OR	
	ART 180 History of Western Art II*	3 cr
	ART 281 History of Costume	3 cr

Credit Requirement in Related Fields 6 cr

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

* Minimum grade of C required for: FASH 140, 210, 230, 231, 240, 310, 345, 478, 479, 480

Total Credit Requirement for a Major in Fashion Design 62 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	<u>3 cr</u>

7 cr

3.2 DISTRIBUTION

Breadth

PHIL 101 Philosophical Perspectives	3 cr
Ethics, Applied Ethics, or Religious Studies	3 cr
Fine Arts	0 cr (fulfilled by major field req.)
History	3 cr
Literature	3 cr
Mathematics	3 cr
Natural Science	3 cr
Social Science	<u>3 cr</u>

21 cr

Pathway*

Courses addressing an interdisciplinary topic. 12 cr

Total Core/Liberal Studies Requirement 40 cr

4.0 Electives 18 cr

Total Credit Requirement for Graduation 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF FINE ARTS IN FASHION DESIGN

FRESHMAN YEAR

FALL

FASH 100 Fashion in Culture & Commerce	3 cr
FASH 126 Creative Process	3 cr
FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
Core Distribution	3 cr
	<u>16 cr</u>

SPRING

FASH 200 Textiles: Studies & Appl	3 cr
FASH 210 Design Studio Techniques	3 cr
ART 281 History of Costume	3 cr
Core Distribution	3 cr
PHIL 101 Philosophical Perspectives	3 cr
FASH 130 Fashion Figure Drawing	<u>1 cr</u>
	16 cr

SOPHOMORE YEAR

FALL

FASH 140 Fash Design I: Draw & Color	3 cr
FASH 230 Apparel Development I	3 cr
FASH245 Digital Fashion Design	3 cr
FASH 235 Fashion Trend Forecasting & Analysis	3 cr
Elective	3 cr
	<u>15 cr</u>

SPRING

FASH 240 Fashion Design II: Presentation I	3 cr
FASH 231 Apparel Development II	3 cr
FASH 268 Digital Fashion Design II	3 cr
FASH 300 Product Development	3 cr
FASH 381 History of Modern Fashion	3 cr
FASH 400 Fashion Employment Seminar	<u>1 cr</u>
	16 cr

JUNIOR YEAR**FALL**

Core Distribution	3 cr
Core Distribution	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

FASH 310 Apparel Development III	3 cr
FASH 345 Fashion Design III: Design Workshop	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

FASH 478 Fashion Design Capping I: Port. Dev.	3 cr
FASH 479 Fashion Design Capping II: Collections I	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
ART160/180 History of Art	<u>3 cr</u>
	15 cr

SPRING

FASH 480 Fashion Design Capping III: Collections II	3 cr
Core Distribution	3 cr
Core Distribution (if needed)	3 cr
Elective	<u>3 cr</u>
	12 cr

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 Fashion in Culture & Commerce	
FASH 265 Principles of Retailing	
FASH 304 Merchandise Planning & Control	

Select three courses (3 credits each) from the following menu:	9 cr
FASH 200 Textiles: Studies & Applications	
FASH 245 Fashion Digital Design I	
FASH 266 Writing for Fashion	
FASH 235 Trend Forecasting	
FASH 295 Fashion Show Production	
FASH 306 Sustainability	
FASH 315 Retail Entrepreneurship	
FASH 355 Buying, Planning & Allocation	
FASH 455 Global Merchandising Strategies	

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 318 Production & Sourcing in the Apparel Industry	
FASH 300 Product Development	

Select three courses (3 credits each) from the following list:	9 cr
FASH 267 Textile Design	
FASH 325 Private Label Development	
FASH 341 Fashion Branding & Licensing	
FASH 370 Knitwear Design	
FASH 415 Advanced Fashion PDM Software	
FASH 455 Global Merchandising Strategies	

Total Credit Requirement for a Minor in Product Development 18 cr

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. Internships are an integral part of the learning experience in the Fashion Program, as is the effective use of technology, including computer-aided design and industry-specific software.

The Fashion Program for Fashion Merchandising features a comprehensive curriculum leading to the Bachelor of Science Degree. Students may choose from three concentrations — the Business concentration, Product Development concentration, or Fashion Promotion concentration.

The Business concentration focuses on the planning, procurement, and marketing aspects of the fashion business. Students learn to research target markets, analyze business results, manage the supply chain, and develop strategies that effectively meet the needs of consumers. The Product Development concentration explores the development of private label or branded merchandise, supply chain management, and the use of product data management techniques. The Fashion Promotion concentration is geared toward the student seeking a career in fashion public relations or advertising, event production or on-line promotion. A capping course is required for all senior Merchandising students. The capstone project requires that the student relate his/her knowledge of fashion merchandising and program concentration, related courses and the core, often in collaboration with major fashion companies. Fashion Merchandising students may also pursue a Product Development minor.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN FASHION MERCHANDISING WITH A BUSINESS CONCENTRATION

Note: A minimum of 60 credits in Liberal Arts is required. This may require utilizing some elective credits.

1.0	Course Requirements in Fashion Merchandising with a Business Concentration		
	FASH 100 Fashion in Culture & Commerce	3 cr	
	FASH 200 Textiles	3 cr	
	FASH 235 Trend Forecasting & Analysis	3 cr	
	FASH 245 Digital Fashion Design I	3 cr	
	FASH 265 Retailing Principles & Practices	3 cr	
	FASH 300 Product Development	3 cr	
	FASH 304 Merchandise. Planning & Control	3 cr	
	FASH 355 Buying, Planning & Allocation	3 cr	
	FASH 381 History of Modern Fashion	3 cr	
	FASH 400 Employment Seminar	1 cr	
	FASH 455 Global Merchandising Strategies	3 cr	
	FASH 477 Merchandise Capping	<u>3 cr</u>	
	Credit Requirement in Fashion Merchandising with a Business Concentration		34 cr
2.0	Course Requirement in Related Fields		
	ART 281 History of Costume	3 cr	
	COM 102 Introduction to Communication	3 cr	
	COM 220 Introduction to Strategic Advertising	3 cr	
	BUS 320 Financial Management	3 cr	
	BUS 340 Principles of Marketing	3 cr	
	ACCT 203 Financial Accounting	3 cr	
	ACCT 204 Managerial Accounting	3 cr	
	ECON 103 Principles of Microeconomics	3 cr	
	ECON 104 Principles of Macroeconomics	<u>3 cr</u>	
	Credit Requirement in Related Fields		<u>27 cr</u>
	Total Credit Requirement for a Major in Fashion Merchandising with a Business Concentration		61 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	First Year Seminar	4 cr	
	Writing for College	3 cr	
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	0 cr	(fulfilled by related field req.)
	History	3 cr	
	Literature	3 cr	
	Mathematics (MATH 130 Intro to Statistics**)	3 cr	

Natural Science	3 cr	
Social Science	0 cr	(fulfilled by related field req.)

Pathway*	<u>12 cr</u>	
Courses addressing an interdisciplinary topic		

Total Core/Liberal Studies Requirements	37 cr
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4.0 Electives	<u>22 cr</u>
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Total Credit Requirement for Graduation	120 cr
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* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

** Prerequisite for BUS 320 Financial Management.

RECOMMENDED PROGRAM SEQUENCE BACHELOR OF SCIENCE IN FASHION MERCHANDISING WITH A BUSINESS CONCENTRATION

FRESHMAN YEAR

FALL

FASH 100 Fashion Culture & Commerce	3 cr
FYS 101 First Year Seminar	4 cr
ENG 120 College Writing	3 cr
PHIL 101 Philosophical Perspectives	3 cr
ECON 103 Principles of Microeconomics	<u>3 cr</u>
	16 cr

SPRING

FASH 200 Textiles	3 cr
COM 102 Intro to Communications	3 cr
ECON 104 Principles of Macroeconomics	3 cr
Core Distribution	3 cr
Core Distribution	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

FASH 265 Principles of Retailing	3 cr
FASH 245 Digital Fashion Design I	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
Elective	3 cr
FASH 400 Employment Seminar	<u>1 cr</u>
	16 cr

SPRING

COM 220 Intro to Strategic Advertising	3 cr
FASH 235 Trend Forecasting	3 cr
FASH 304 Merch Planning & Control	3 cr
Elective	3 cr
Core Distribution	3 cr
	15 cr

JUNIOR YEAR

FALL

FASH 300 Product Development	3 cr
FASH 355 Buying, Planning Allocation	3 cr
Core Distribution	3 cr
ART 281 History of Costume	3 cr
ACCT 203 Financial Accounting	<u>3 cr</u>
	15 cr

SPRING

FASH 381 History of Modern Fashion	3 cr
ACCT 204 Managerial Accounting	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

BUS 320 Financial Management	3 cr
FASH 455 Global Merchandising Strategies	3 cr
Core Distribution (if needed)	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

FASH 477 Fashion Capping	3 cr
BUS 340 Marketing Principles	3 cr
Core Distribution (if needed)	3 cr
Electives	3 cr
Electives	<u>3 cr</u>
	15 cr

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN FASHION MERCHANDISING WITH PRODUCT DEVELOPMENT CONCENTRATION

Note: A minimum of 60 credits in Liberal Arts is required. This may require utilizing some elective credits.

Project Requirement: Students wishing to enter the Fashion Merchandising major must submit the required project.

1.0 Course Requirements in Fashion Merchandising with a Product Development Concentration	
FASH 100 Fashion in Culture & Commerce	3 cr
FASH 200 Textiles	3 cr
FASH 235 Fashion Trend Forecasting & Analysis	3 cr

FASH 245 Digital Fashion Design I	3 cr	
FASH 268 Digital Fashion Design II	3 cr	
FASH 265 Retailing Principles & Practices	3 cr	
FASH 300 Product Development	3 cr	
FASH 304 Merchandise Planning & Control	3 cr	
FASH 306 Sustainability in Fashion	3 cr	
FASH 318 Apparel Supply Chain Management	3 cr	
FASH 325 Private Label Development	3 cr	
FASH 341 Branding & Licensing	3 cr	
FASH 381 History of Modern Fashion	3 cr	
FASH 400 Employment Seminar	1 cr	
FASH 415 Advanced PDM Software	3 cr	
FASH 455 Global Merchandising Strategies	3 cr	
FASH 477 Fashion Product Development Capping	<u>3 cr</u>	
Credit Requirement in Fashion Merchandising with a Product Development Concentration		49 cr
2.0 Course Requirement in Related Fields		
ART 281 History of Costume	3 cr	
COM 102 Introduction to Communication	3 cr	
COM 220 Intro to Strategic Advertising	<u>3 cr</u>	
Credit Requirement in Related Fields		<u>9 cr</u>
Total Credit Requirement for a Major in Fashion Merchandising with a Product Development Concentration		58 cr
3.0 Core/Liberal Studies Requirements		
3.1 FOUNDATION		
First Year Seminar	4 cr	
Writing for College	3 cr	
3.2 DISTRIBUTION		
Breadth		
PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	0 cr	(fulfilled by related field req.)
History	3 cr	
Literature	3 cr	
Mathematics	3 cr	
Natural Science	3 cr	
Social Science	3 cr	
Pathway*	<u>12 cr</u>	
Courses addressing an interdisciplinary topic		
Total Core/Liberal Studies Requirements		<u>40 cr</u>
4.0 Electives		<u>22 cr</u>
Total Credit Requirement for Graduation		120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED SEQUENCE FOR A BACHELOR OF SCIENCE IN FASHION MERCHANDISING WITH A PRODUCT DEVELOPMENT CONCENTRATION

FRESHMAN YEAR

FALL

FASH 100 Fashion Culture & Commerce	3 cr
FYS 101 First Year Seminar	4 cr
ENG 120 College Writing	3 cr
PHIL 101 Philosophical Perspectives	3 cr
COM 102 Intro to Communications	<u>3 cr</u>
	16 cr

SPRING

FASH 200 Textiles	3 cr
FASH 245 Digital Fashion Design	3 cr
FASH 265 Retailing Principles & Practices	3 cr
Core Distribution	3 cr
Core Distribution	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR**FALL**

FASH 268 Digital Fashion Design II	3 cr
FASH 235 Trend Forecasting	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
Elective	3 cr
FASH 400 Employment Seminar	<u>1 cr</u>
	16 cr

SPRING

FASH 300 Product Development	3 cr
FASH 304 Merchandise Planning & Control	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
Elective	3 cr
	<u>15 cr</u>

JUNIOR YEAR**FALL**

FASH 341 Branding & Licensing	3 cr
COM 220 Intro to Strategic Advertising	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

FASH 318 Apparel Supply Chain Management	3 cr
FASH 325 Private Label	3 cr
ART 281 History of Costume	3 cr
Core Distribution	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

FASH 305 Sustainability	3 cr
FASH 381 History of Modern Fashion	3 cr
FASH 415 Web PDM	3 cr
Core Distribution (if needed)	3 cr
Elective	3 cr
	<u>15 cr</u>

SPRING

FASH 455 Global Merchandising Strategies	3 cr
FASH 477 Fashion Capping	3 cr
Core Distribution (if needed)	3 cr
Electives	3 cr
Electives	3 cr
Electives	<u>3 cr</u>
	15 cr

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN FASHION MERCHANDISING WITH A FASHION PROMOTION CONCENTRATION

Note: A minimum of 60 credits in Liberal Arts is required. This may require utilizing some elective credits.

Project Requirement: Students wishing to enter the Fashion Merchandising major must submit the required project.

1.0 Course Requirements in Fashion Merchandising with a Fashion Promotion Concentration

FASH 100 Fashion in Culture & Commerce	3 cr
FASH 200 Textiles	3 cr
FASH 245 Digital Fashion Design I	3 cr
FASH 265 Retailing Principles & Practices	3 cr
FASH 235 Fashion Trend Forecasting & Analysis	3 cr
FASH 300 Product Development	3 cr
FASH 341 Branding & Licensing	3 cr
FASH 381 History of Modern Fashion	3 cr
FASH 400 Employment Seminar	1 cr
FASH 455 Global Merchandising Strategies	3 cr
FASH 477 Fashion Merchandising Capstone	3 cr

Student will choose 3 courses from the following (3 crs each): 9 cr

FASH 261 Event Planning
FASH 269 Visual Merchandising
FASH 266 Writing for Fashion
FASH 295 Fashion Show Production
FASH 306 Sustainability in Fashion
FASH 315 Retail Entrepreneurship
FASH 367 Advanced Fashion Show Production

Credit Requirement in Fashion Merchandising with a Fashion Promotion Concentration 40 cr

2.0 Course Requirement in Related Fields

ART 281 History of Costume	3 cr
COM 102 Introduction to Communication	3 cr
COM 103 Digital Toolbox	3 cr
COM 211 Fundamentals of PR Theory & Practice	3 cr
COM 220 Intro to Strategic Advertising	3 cr

Students will choose 2 courses from the following: (3 crs each): 6 cr

COM 333 Applied Research Analytics
COM Special Topics
COM 348 Integrated Strategies, Tactics and Shareholders

Total Credit Requirement for a Major in Fashion Merchandising with a Fashion Promotion Concentration 61 cr

3.1 FOUNDATION

First Year Seminar	4 cr	
Writing for College	3 cr	

3.2 DISTRIBUTION

Breadth

PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	0 cr	(fulfilled by related field req.)
History	3 cr	
Literature	3 cr	
Mathematics	3 cr	
Natural Science	3 cr	
Social Science	3 cr	

Pathway*

Courses addressing an interdisciplinary topic	12 cr	
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Total Core/Liberal Studies Requirements 40 cr4.0 Electives 19 cr**Total Credit Requirement for Graduation** 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED SEQUENCE FOR A BACHELOR OF SCIENCE IN FASHION MERCHANDISING WITH A FASHION PROMOTION CONCENTRATION

FRESHMAN YEAR

FALL

FASH 100 Fashion Culture & Commerce	3 cr
FYS 101 First Year Seminar	4 cr
ENG 120 College Writing	3 cr
PHIL 101 Philosophical Perspectives	3 cr
COM 102 Intro to Communications	<u>3 cr</u>
	16 cr

SPRING

FASH 200 Textiles	3 cr
COM 103 Digital Toolbox	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
Core Distribution	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

FASH 245 Digital Fashion Design	3 cr
FASH 265 Retailing Principles & Practices	3 cr
COM 211 Fundamentals of PR	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
	<u>15 cr</u>

SPRING

FASH 281 Trend	3 cr
FASH 400 Employment Seminar	1 cr
COM 220 Intro to Strategic Advertising	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
Elective	<u>3 cr</u>
	16 cr

JUNIOR YEAR

FALL

FASH 300 Product Development	3 cr
ART 281 History of Costume	3 cr
Fashion Menu Choice 1	3 cr
Elective	4 cr
	<u>13 cr</u>

SPRING

FASH 341 Branding & Licensing	3 cr
FASH 381 History of Modern Fashion	3 cr
COM 333 Applied Research Analytics	3 cr
Core Distribution	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

FASH 455 Global Merchandising Strategies	3 cr
Fashion Menu Choice 2	3 cr
COM Menu Choice 1	3 cr
COM Menu Choice 2	3 cr
Core Distribution	3 cr
Core Distribution	<u>3 cr</u>
	15 cr

SPRING

Fashion Menu Choice 3	3 cr
FASH 477 Fashion Capping	3 cr
Core Distribution	3 cr
Electives	6 cr
	<u>15 cr</u>

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 318 Production & Sourcing in the Apparel Industry
FASH 300 Product Development

Select three courses (3 credits each) from the following list: 9 cr
FASH 267 Textile Design
FASH 325 Private Label Development
FASH 341 Fashion Branding & Licensing
FASH 379 Knitwear Design
FASH 415 Advanced Fashion PDM Software
FASH 455 Global Merchandising Strategies

Total Credit Requirement for a Minor in Product Development 18 cr

FRENCH

IVETTE ROMERO, Ph.D., *Chairperson*

CLAIRE KEITH, Ph.D., *Coordinator*

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, Aix-en-Provence or Marseille, featuring a stay with a French family and opportunity for community service involvement. Programs in Senegal and Morocco are also available.
- (3) Secondary school teacher certification.
- (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 251 Contemporary France	3 cr	
	FREN 305 Studies In French Film and Literature	3 cr	
	FREN 310 French Grammar and Composition I OR		
	FREN 311 French Grammar and Composition II	<u>3 cr</u>	15 cr
2.0	Approved courses in tracks		
	<u>Single Major track</u>		
	FREN 250 French Culture & Thought	3 cr	
	FREN 310 French Grammar and Composition I OR		
	FREN 311 French Grammar and Composition II	3 cr	
	FREN 315 French Literature of Africa and the Caribbean OR		
	FREN 330 Modern Literary Perspective: the 20th and 21st Century	3 cr	
	FREN 345 Interdisciplinary Unit	3 cr	
	FREN 440 French for Current Affairs	3 cr	

One upper-level course in French Literature or Culture OR FREN 394 Internship in French** FREN 477 Capping	3 cr 3 cr	21 cr
Double Major Track		
FREN 250 French Culture & Thought	3 cr	
FREN 315 French Literature of Africa and the Caribbean OR FREN 330 Modern Literary Perspective: the 20th and 21st Century	3 cr 3 cr	
FREN 345 Interdisciplinary Unit	3 cr	
FREN 440 French for Current Affairs OR FREN 394 Internship in French** FREN 477 Capping	3 cr <u>3 cr</u>	15 cr
		15-21 cr
Total Credit Requirement for a Major in French		30-36 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	7 cr

3.2 DISTRIBUTION

Breadth*

PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	0 cr	(fulfilled by major field req.)
Mathematics	3 cr	
Natural Science	3 cr	
Social Science	<u>3 cr</u>	21 cr

Pathway*

Courses addressing an interdisciplinary topic.		<u>12 cr</u>
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Total Core/Liberal Studies Requirement 40 cr

4.0 Electives 44-50 cr

Total Credit Requirement for Graduation 120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

** Replacing upper level course 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 310 French Grammar & Composition I OR FREN 311 French Grammar & Composition II	<u>3 cr</u>

Total Credit Requirement for a Minor in French 18 cr

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

Marist College offers a state-approved program leading to initial teacher certification in Adolescence Education: French (Grades 7-12). Students seeking this certification are encouraged to consult with their academic advisor and the Coordinator of Adolescence Education in the 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 103 of this catalog.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN FRENCH

Single & Double Track (additional Single Track courses marked with *)

FRESHMAN YEAR

FALL

FREN 201	3 cr
FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	3 cr
Elective	<u>3 cr</u>
	16 cr

SPRING

FREN 202	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

FREN 250	3 cr
FREN 305 (Core Lit)	3 cr
Core/LS	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

FREN 251	3 cr
Core/LS	3 cr
Core/LS	3 cr
Ethics	3 cr
Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR (Marist Abroad France)

FALL

FREN 310	3 cr
FREN 311* or elective	3 cr
FREN 315	3 cr
FREN 345	3 cr
FREN upper level *	<u>3 cr</u>
	15 cr

SPRING

FREN 440 OR FREN 394	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

Elective or FREN 477 Capping course	3 cr
Core/LS	3 cr
Electives	<u>9 cr</u>
	15 cr

SPRING

FREN 477 Capping Course	3 cr
Electives	12 cr
	<u>15 cr</u>

GAMES AND EMERGING MEDIA

KAREN SCHRIER, Ed.D., *Director*

MISSION:

The Games and Emerging Media major provides a strong practical and theoretical understanding of game design, development, and writing, as well as an understanding of the history, culture, and business of games. In addition, we research, develop, and design other emerging forms of media—including virtual reality, 3-D environments, and mobile applications—as well as media that have yet to be imagined. Depending on their interests, students develop a wide variety of skills, such as in design, programming, writing, production, art, animation, prototyping, public speaking, and research. Our interdisciplinary approach to games encourages creativity, innovation, exploration, and empathy.

Students choose between two concentration areas: (1) Technical Development & Programming and (2) Design, Writing, & Culture. All students begin the program with a shared interdisciplinary foundation in game design, production, and development, and then concentrate in their respective specializations. Within each concentration there is additional flexibility. Students spend their final year working in teams to develop a portfolio of games and other media. Students also have the opportunity to join the Play Innovation Lab, where they can develop and research games and other media, and participate in game-related events, workshops, and career preparation activities.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN GAMES AND EMERGING MEDIA: CONCENTRATION IN TECHNICAL DEVELOPMENT AND PROGRAMMING

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

1.0 Course Requirements in Games & Emerging Media
CMPT 120 Introduction to Programming

4 cr

CMPT 220 Software Development I	4 cr	
CMPT 221 Software Development II	4 cr	
CMPT 230 Software System & Analysis	4 cr	
CMPT 414 Game Design & Programming I	4 cr	
GAME 101 Introduction to Games	3 cr	
GAME 301 Business of Games	3 cr	
GAME 480 Game Studio	3 cr	
GAME 481 Capping	3 cr	
MDIA 103 Digital Toolbox	3 cr	
		35 cr
Select any three, in any combination		
GAME 201 Colloquium in Games (can be taken 3 times)		
GAME 202 Lab Practicum in Games (can be taken 3 times)		
CRDV 100 Employment Practicum		3 cr
Select one from the following:		4 cr
CMPT 306 Data Comm & Networks		
CMPT 308 Data Management		
Select three from the following:		10-12 cr
CMPT 330 System Design		
CMPT 404 Artificial Intelligence		
CMPT 415 Game Design & Programming II		
CMPT 435 Algorithms Analysis and Design		
CMPT 460 Computer Graphics		
GAME 401 Human Computer Interaction		
Select 7-9 credits from the following:		<u>7-9 cr</u>
MDIA 101 Introduction to Media Studies		
MDIA 110 Intro to Design		
MDIA 201 Writing for Media		
MDIA 203 Video Production		
MDIA 210 Interactive Media I		
MDIA 302 Editing		
MDIA 304 Audio Production		
MDIA 310 Interactive II		
MDIA 311 Media Theory and Methods		
MDIA 312 Online Culture		
MDIA 313 Storytelling Across Media		
MDIA 314 Game Design I		
MDIA 316 Ethics and Gaming		
MDIA 320 History of Electronic Media		
MDIA 410 Game Design II		
MDIA 411 Topics in Interactive Media		
MDIA 431 3D Modeling and Visualization		
MDIA 432 Animation		
GAME 401 Human Computer Interaction		
Credit Requirements in Games & Emerging Media		61 cr
2.0 Course Requirements in Related Fields		
MATH 205 Discrete Math	4 cr	
PHYS 211 General Physics I	<u>3 cr</u>	
Credit Requirement in Related Fields		<u>7 cr</u>
Total Credit Requirement for a Major in Games & Emerging Media		68 cr
3.0 Core/Liberal Studies Requirements		
3.1 FOUNDATION		
FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	
		7 cr

3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by related field req.)
	Natural Science	0 cr	(fulfilled by related field req.)
	Social Science	<u>3 cr</u>	
			18 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic		
	Total Core/Liberal Studies Requirement		37 cr
4.0	Electives		<u>15 cr</u>
	Includes 6 credits of Internship		
	Total Credit Requirement for Graduation		120 cr

SUMMARY OF REQUIREMENTS FOR A BACHELOR OF SCIENCE IN GAMES & EMERGING MEDIA: CONCENTRATION IN DESIGN, WRITING AND CULTURE

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

1.0	Course Requirements in Games & Emerging Media		
	CMPT 120 Introduction to Programming	4 cr	
	GAME 101 Introduction to Games	3 cr	
	GAME 301 Business of Games	3 cr	
	GAME 480 Game Studio	3 cr	
	GAME 481L Capping	3 cr	
	MDIA 103 Digital Toolbox	3 cr	
	MDIA 201 Writing for Media	3 cr	
	MDIA 210 Interactive Media I	3 cr	
	MDIA 314 Game Design I	3 cr	
	MDIA 316 Ethics and Gaming	3 cr	
			31 cr
	Select any three, in any combination:		3 cr
	GAME 201 Colloquium in Games (can be taken 3 times)	1 cr	
	GAME 202 Lab Practicum in Games (can be taken 3 times)	1 cr	
	CRDV 100 Employment Practicum	1 cr	
	Select six from the following:		18-19 cr
	MDIA 101 Introduction to Media Studies		
	MDIA 110 Intro to Design		
	MDIA 203 Video Production		
	MDIA 302 Editing		
	MDIA 304 Audio Production		
	MDIA 310 Interactive II		
	MDIA 311 Media Theory and Methods		
	MDIA 312 Online Culture		
	MDIA 313 Storytelling Across Media		
	MDIA 320 History of Electronic Media		
	MDIA 410 Game Design II		
	MDIA 411 Topics in Interactive Media		
	MDIA 431 3D Modeling and Visualization		
	MDIA 432 Animation		
	GAME 401 Human Computer Interaction		
	Select 15-16 credits from the following:		15-16 cr
	CMPT 220 Software Development I		
	CMPT 221 Software Development II		
	CMPT 230 Software System & Analysis		
	CMPT 414 Game Design & Programming I		
	CMPT 306 Data Comm & Networks		
	CMPT 308 Data Management		
	CMPT 330 System Design		

CMPT 404 Artificial Intelligence
 CMPT 415 Game Design & Programming II
 CMPT 435 Algorithms
 CMPT 460 Computer Graphics
 GAME 401 Human Computer Interaction
 MATH 205 Discrete Math
 PHYS 211 General Physics

Total Credit Requirement for a Major in Games & Emerging Media 68 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

FYS 101 First Year Seminar 4 cr
 ENG 120 Writing for College 3 cr 7 cr

3.2 DISTRIBUTION

Breadth

PHIL 101 Philosophical Perspectives 3 cr
 Ethics, Applied Ethics, or Religious Studies 0 cr (fulfilled by major field req.)
 Fine Arts 3 cr
 History 3 cr
 Literature 3 cr
 Mathematics 3 cr
 Natural Science 3 cr
 Social Science 3 cr 21 cr

Pathway*

Courses addressing an interdisciplinary topic. 12 cr

Total Core/Liberal Studies Requirement 40 cr

4.0 Electives

Includes 6 credits of Internship 12 cr

Total Credit Requirement for Graduation 120 cr

*Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

REQUIREMENTS FOR A MINOR IN GAMES AND EMERGING MEDIA

CMPT 120 Introduction to Programming 4 cr
 GAME 101 Introduction to Games 3 cr
 MDIA 103 Digital Toolbox 3 cr
 10 cr

Select 12 credits from the following: 12 cr

CMPT 220 Software Development I
 CMPT 414 Game Design & Programming I
 CMPT 415 Game Design & Programming II
 GAME 401 Human Computer Interaction
 MDIA 210 Interactive Media I
 MDIA 314 Game Design I
 MDIA 316 Ethics and Gaming
 MDIA 431 3D Modeling and Visualization
 MDIA 410 Game Design II

Total Credit Requirement for a Minor in Games and Emerging Media 22 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN GAMES AND EMERGING MEDIA: TECHNICAL DEVELOPMENT AND PROGRAMMING

FRESHMAN YEAR

FALL

GAME 101 Introduction to Games	3 cr
FYS 101 First Year Seminar	4 cr
CMPT 120 Introduction to Programming	4 cr
Core/LS: Math 205	4 cr
	<u>15 cr</u>

SPRING

CMPT 220 Software Development I	4 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	3 cr
MDIA 103 Digital Toolbox	3 cr
Core/LS: Physics	<u>3 cr</u>
	16 cr

SOPHOMORE YEAR

FALL

CMPT 221 Software Development II	4 cr
CMPT 230 Software Sys and Analysis	4 cr
Core/LS	3 cr
GAME 201 Colloquium in Games	1 cr
Pathway Elective	<u>3 cr</u>
	15 cr

SPRING

MDIA 314 Game Design I	3 cr
Core/LS	3 cr
Pathway Elective	3 cr
Concentration Elective	4 cr
GAME 201 Colloquium in Games	<u>1 cr</u>
	14 cr

JUNIOR YEAR

FALL

Core/LS	3 cr
MDIA 301 Business of Games	3 cr
Pathway Elective	3 cr
GAME 201 Colloquium in Games	1 cr
Core/LS	3 cr
Elective	<u>2 cr</u>
	15 cr

SPRING

Core/LS: Ethics and Gaming	3 cr
Concentration Elective	4 cr
Pathway Elective	3 cr
Elective	3 cr
Employment Practicum	1 cr
	<u>14 cr</u>

SENIOR YEAR

FALL

CMPT 414 Game Programming I	4 cr
GAME 480 Game Studio	3 cr
CMPT 306 Data Comm & Networking OR	
CMPT 308L Data Management	4 cr
Elective	<u>3 cr</u>
	14 cr

SPRING

GAME 481 Capping	3 cr
Concentration Elective	4 cr
Concentration Elective	4 cr
Elective/ Internship	6 cr
	<u>17 cr</u>

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN GAMES AND EMERGING MEDIA: DESIGN, WRITING & CULTURE

FRESHMAN YEAR

FALL

GAME 101 Introduction to Games	3 cr
FYS 101 First Year Seminar	4 cr
MDIA 103 Digital Toolbox	3 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	<u>3 cr</u>
	16 cr

SPRING

Core/LS	3 cr
CMPT 120 Introduction to Programming	4 cr
MDIA 110 Introduction to Design	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	16 cr

SOPHOMORE YEAR

FALL

CMPT 220 Software Development I	3 cr
MDIA 210 Interactive Media I	4 cr
Core/LS: Math 205	4 cr
MDIA 201 Writing for Media	1 cr
Pathway Elective	3 cr
GAME 201 Colloquium in Games	<u>1 cr</u>
	16 cr

SPRING

MDIA 314 Game Design I	3 cr
Core/LS	3 cr
Pathway Elective	3 cr
Concentration Elective	3 cr
CMPT 221 Software Development II	4 cr
	<u>16 cr</u>

JUNIOR YEAR

FALL

Core/LS	3 cr
MDIA 301 Business of Games	3 cr
Pathway Elective	3 cr
GAME 201 Colloquium in Games	1 cr
Concentration Elective	3 cr
	<u>13 cr</u>

SPRING

MDIA 316 Ethics and Gaming	3 cr
Concentration Elective	3 cr
Pathway Elective	3 cr
Concentration Elective	3 cr
Employment Practicum	1 cr
	<u>13 cr</u>

SENIOR YEAR**FALL**

Concentration Elective	3 cr
GAME 480 Game Studio	3 cr
Elective	3 cr
Concentration Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

GAME 481 Capping	3 cr
Concentration Elective	3 cr
MDIA 410 Game Design II	3 cr
Internship	6 cr
	<u>15 cr</u>

GLOBAL STUDIES MINORCLAIRE KEITH, Ph.D., *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 and Cultures 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 for 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 2016-2017 catalog.

Coursework:

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

Total Credits

18 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 and Cultures 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**Internships**

INTERNSHIPS in any discipline may be eligible for GBST approval as an elective if a component of significant global relevance can be documented. Please contact the GBST coordinator to obtain approval.

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 ACCT 204)
BUS 442 International Marketing (prerequisite: BUS 100 or ACCT 204, BUS 340, BUS 382)

Computer Technology

CMPT 305 Technology, Ethics and Society

Communication

COM 325 Intercultural Communication (prerequisite: Junior standing)
COM 400 Gender, Culture and Communication (prerequisite: Junior standing)
COM 488 Comparative Communication Systems (prerequisite: Junior standing)

Criminal Justice

CRJU 350 Organized Crime
CRJU 377 Politics of Crime and Terrorism (prerequisite: CRJU 101 or POSC 101)
CRJU 440 Cross Cultural Criminal Justice Systems (prerequisites: CRJU 370; Criminal Justice majors with senior standing)

Economics

ECON 150 Economics of Social Issues
ECON 305 Environmental Economics (prerequisite: ECON 103)
ECON 340 Economic Development: Towards Global Equality (prerequisite: ECON 103, 104, or 150)
ECON 432 International Financial Policies and Issues (prerequisites: ECON 103 and 104)
ECON 442 International Economics (prerequisites: ECON 103 and 104)

Education

EDUC 379 Culturally Responsive Education

Environmental Science

ENSC 101 Introduction to Environmental Issues
ENSC 202 Environmental Politics and Policy
ENSC 230 Introduction to Geographic Information (prerequisite: ENSC 101)
ENSC 340 Epidemiology

English

ENG 201 Introduction to Linguistics
ENG 302 Structure of English/World Englishes
ENG 353 Ethnic American Literature
ENG 370 Modern Jewish Literature
ENG 373 Literature of the Holocaust

Fashion Merchandising

FASH 306 Sustainability in Fashion
FASH 455 Global Merchandising Strategies (prerequisite: FASH 265)

Foreign Language and Culture

All foreign language, culture, and civilization courses, including foreign literature in translation courses.

Global Studies

GBST 392, 393 Special Topics
GBST 394-398 Internships in Global Studies (one to three credits)

History

HIST 206 Afghanistan and its Wars
HIST 242 Introduction to the African Diaspora
HIST 252 Modern Europe
HIST 255 Catholic Church in Modern Times
HIST 262 History of Russia: The Russian Revolution
HIST 263 Eastern Europe and Russia from 1928 to the Present
HIST 267 Women in Asia
HIST 269 Modern Asia
HIST 271 Modern China
HIST 274 Modern Latin America
HIST 280 Modern Africa
HIST 285 The History and Political Culture of Ireland
HIST 313 The Vietnam War (prerequisite: six credits in history)
HIST 318 Drug Trade in Asia (prerequisite: six credits in history)
HIST 320 American Diplomatic History (prerequisite: six credits in history)
HIST 349 Modern Germany: Between Dictatorship and Democracy
HIST 355 History and Politics of the Modern Middle East (prerequisite: six credits in history)
HIST 375 Race Relations in Latin American History (prerequisite: six credits in history)

Honors

HONR 340-343 Honors Seminar in Global Engagement

Media Arts

MDIA 326 Race & Ethnicity in Film
MDIA 422 Topics in Global Cinema (topic must be pre-approved by GBST coordinator)

Music

Music 226 Music Cultures of the World

Philosophy

PHIL 301 Environmental Ethics

PHIL 325 Contemporary Continental Philosophy

PHIL 340 Marx and Marxism

Political Science

POSC 111 Introduction to Comparative Politics

POSC 113 International Relations

POSC 202 Environmental Politics and Policy (prerequisites: POSC 110 and ENSC 101)

POSC 213 Politics of Human Rights (prerequisite: POSC 112 or 113)

POSC 236 Politics of Developing Areas (prerequisite: POSC 111)

POSC 251 European Politics (prerequisite: POSC 111 or 113)

POSC 271 Nationalism and Communism in China and Taiwan

POSC 280 Model United Nations (prerequisite: POSC 111 or 113)

POSC 285 The History and Political Culture of Ireland (Dual listed as HIST 325 (prerequisite: POSC 111)

POSC 290 International Law and Organization

POSC 321 Contemporary Political Theory

POSC 325 Political Economy: The Rise of the Asia-Pacific

POSC 350 Latin American Politics

POSC 351 African Politics

POSC 355 History and Politics of the Modern Middle East

Psychology

PSYC 222 Community Psychology

PSYC 330 Culture and Psychology (prerequisite: PSYC 101)

Religious Studies

REST 209 World Religions

REST 215 Religions of India: Hinduism, Buddhism, Islam

REST 219 Sociology of Religion

REST 230 Religion and Politics

REST 231 Social Ethics and Economics

REST 232 Religion and Culture

REST 315 Global Liberation Theology

REST 320 Public Praxis I

Sociology

SOC 219 Sociology of Religion

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

HISTORY

NICHOLAS MARSHALL, Ph.D., *Chairperson*

MISSION:

The History Major enables students to make sense of the world that they are inheriting. In order to accomplish this task, students must be grounded in their own historical experience, which should be placed within an emerging international context. In addition, they should recognize the ongoing tensions over the nature of identity: ethnicity, sexuality, class, gender, race, and nationality. To this end, we train students to analyze issues that engage 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 Department systematically exposes students to a variety of areas: the United States, Europe, and those of 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 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 careers in adolescent and secondary education as well as graduate studies, professional schools, doctoral programs, or law school. 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 occur 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 226 American History to 1877	3 cr	
	HIST 227 American History since 1877	3 cr	
	HIST 477 Capping Course	3 cr	
	CMPT 103 Technology for the 21st Century	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 206 Afghanistan and its Wars		
	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 Colonial Latin America		
	HIST 274 Modern Latin America		
	HIST 280 Modern Africa		
	HIST 313 The Vietnam War		
	HIST 318 Drug Trade in Asia		
	HIST 355 History and Politics of the Modern Middle East		
	HIST 375 Race and Ethnicity in Latin America		
	(Or another non-U.S., non-European history class to be approved by Chairperson)		
	One course from:	3 cr	
	HIST 413 FDR Research Seminar		
	HIST 497 Public History Internship		
	History Electives	<u>15 cr</u>	
	(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		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	0 cr	(fulfilled by major field req.)
	Literature	3 cr	
	Mathematics	3 cr	
	Natural Science	3 cr	
	Social Science	<u>3 cr</u>	
			21 cr
	Pathway*	<u>12 cr</u>	
	Courses addressing an interdisciplinary topic.		
	Total Core/Liberal Studies Requirement		40 cr
4.0	Electives		<u>35 cr</u>
	Total Credit Requirement for Graduation		120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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 History/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 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 103 of this catalog.

REQUIREMENTS FOR A BACHELOR OF ARTS IN HISTORY/SECONDARY EDUCATION

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

1.0	Course Requirements in History		
	HIST 226 American History to 1877	3 cr	
	HIST 227 American History since 1877	3 cr	
	HIST 477 Capping Course	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 206 Afghanistan and its Wars		
	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 Colonial Latin America		
	HIST 274 Modern Latin America		
	HIST 280 Modern Africa		
	HIST 313 The Vietnam War		
	HIST 318 Drug Trade in Asia		
	HIST 355 History and Politics of the Modern Middle East		
	HIST 375 Race and Ethnicity In Latin America		
	(Or another non-U.S., non-European history class to be approved by Chairperson)		
	One course from:	3 cr	
	HIST 413 FDR Research Seminar		
	HIST 497 Public History Internship		
	History Electives	<u>9 cr</u>	
	(Six credits must be taken at the 300 level-seminar course)		
	Credit Requirement in History		36 cr
2.0	Course Requirements in Related Fields		
	ECON 103 Prin Microeconomics, ECON 104 Prin of Macroeconomics		
	OR ECON 105 Economics of Social Issues	3 cr	
	POSC 110 American National Government	<u>3 cr</u>	
	Credit Requirement in Related Fields		6 cr
3.0	Required Courses in the Certification Sequence*		
	PSYC 101 Introduction to Psychology	3 cr	
	(prerequisite for upper-level psychology courses)		
	PSYC 207 Exceptional Child (or EDUC 372 Inclusive Adolescence Ed)	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	
	(taken concurrently with Content Methods)		

EDUC 420 Methods of Teaching in Secondary Schools	3 cr
EDUC 464 Student Teaching in the Secondary Schools	12 cr
Foreign Language***	3-6 cr

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

*** 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	40-43 cr
3.0 Core/Liberal Studies Requirements	
3.1 FOUNDATION	
FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	<u>3 cr</u>
	7 cr
3.2 DISTRIBUTION	
Breadth	
PHIL 101 Philosophical Perspectives	3 cr
Ethics, Applied Ethics, or Religious Studies	3 cr
Fine Arts	3 cr
History	0 cr (fulfilled by major field req.)
Literature	3 cr
Mathematics	3 cr
Natural Science	3 cr
Social Science	<u>0 cr</u> (fulfilled by major field req.)
	18 cr
Pathway*	<u>12 cr</u>
Courses addressing an interdisciplinary topic.	
Total Core/Liberal Studies Requirement	37 cr
4.0 Electives	<u>2-5 cr</u>
Total Credit Requirement for Graduation	124 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN HISTORY

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	3 cr
HIST: Any 100 or 226, 227, 248, 249, 252	3 cr
Core/LS	<u>3 cr</u>
	16 cr

SPRING

CMPT 103	3 cr
HIST 226, 227, 248, 249, or 252	3 cr
HIST 226, 227, 248, 249 or 252	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

HIST 226, 227, 248, 249, or 252	3 cr
HIST 200 Latin America/Asia/Africa	3 cr
Core/LS	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

HIST 200 Latin America/Asia/Africa	3 cr
HIST 200 Latin America/Asia/Africa	3 cr
Core/LS	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

HIST Elective (200 level)	3 cr
HIST Elective (200 level)	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

HIST Elective (300 level)	3 cr
HIST Elective (300 level)	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

HIST 477	3 cr
HIST Elective (300 level)	3 cr
Core/LS	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

HIST 413 or HIST 497	3 cr
Core/LS	3 cr
HIST 413 or HIST 497	3 cr
Elective	3 cr
Elective	<u>2 cr</u>
	14 cr

**RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN HISTORY/
ADOLESCENCE EDUCATION****FRESHMAN YEAR****FALL**

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	3 cr
HIST 226, 227, 248, 249, or 252	3 cr
POSC 110 or PSYC 101	<u>3 cr</u>
	16 cr

SPRING

HIST 226, 227, 248, 249 or 252	3 cr
HIST 226, 227, 248, 249, or 252	3 cr
POSC 110 or PSYC 101	3 cr
EDUC 101	3 cr
Foreign Language	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR**FALL**

HIST 226, 227, 248, 249, or 252	3 cr
HIST 200 Latin America/Asia/Africa	3 cr
PSYC 207	3 cr
EDUC 150	3 cr
ECON 103 or ECON 105	<u>3 cr</u>
	15 cr

SPRING

HIST 200 Latin America/Asia/Africa	3 cr
PSYC 318	3 cr
Foreign Language	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR**FALL**

HIST Elective (200 level)	3 cr
HIST Latin America/Asia/Africa	3 cr
EDUC 354	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>1 cr</u>
	16 cr

SPRING

HIST Elective (300 level)	3 cr
HIST 477	3 cr
EDUC 355	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>1 cr</u>
	16 cr

SENIOR YEAR**FALL**

HIST 413 or 497	3 cr
EDUC 420	3 cr
EDUC 410	1 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	16 cr

SPRING

EDUC 464	12 cr
HIST Elective (300-level)	3 cr
	<u>15 cr</u>

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
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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

GRADUATE SCHOOL

Language, Computer Science	6-12 cr
Social Science	6-12 cr
Philosophy	6 cr
Writing	6 cr

Business–Economics	6 cr
Behavioral Science	6 cr
Political Science	6 cr
Math–Computer Science	6 cr

REQUIREMENTS FOR A MINOR IN HISTORY

HIST 248, HIST 249, or HIST 252	3 cr
HIST 226 American History to 1877	3 cr
HIST 227 American History since 1877	3 cr
Two of the following:	
HIST 242, HIST 267, HIST 268, HIST 269, HIST 270, HIST 271, HIST 273, HIST 274, HIST 280, HIST 318, HIST 355, HIST 375 (or another non-US, non-European history class to be approved by Chairperson)	6 cr
Any two HIST courses	6 cr

Total Credit Requirement for a Minor in History 21 cr

HONORS IN CORE/LIBERAL STUDIES

CAROLYN RINGER LEPRE, Ph.D., *Director*

The Marist Honors Program has as its mission developing scholars, leaders and global citizens. In keeping with the overall mission of the College, which espouses an ideal dedicated to helping students develop the intellect, character, and skills required for enlightened, ethical, and productive lives in the global community of the 21st century, Marist's Honors Program will provide opportunities for academic excellence, leadership, cultural enrichment, and global engagement. The Program offers outstanding students in all majors a variety of learning experiences in and outside the academic setting. Honors seminars and co-curricular activities, such as field trips and lectures, bring together talented students who seek a more intensive and extensive educational experience. Promoting the adventure of intellectual pursuits, the Program challenges students to achieve their academic potential while they develop as responsible citizens and leaders in an increasingly culturally complex world. A participating student who successfully completes all of the requirements will receive an Honors certificate, a medallion to be worn at Commencement, and special recognition on his or her college transcript. Students interested in admission should contact the Program Director.

REQUIREMENTS FOR HONORS IN CORE/LIBERAL STUDIES

All students must take a minimum of 18 credit hours of Honors coursework to successfully complete this program of study.

1.0	Foundation Year courses:	7 cr
	FYSH 101 Honors First-Year Seminar	4 cr
	ENGH 120 Honors Writing for College	3 cr
1.1	Selection of one of the four Honors Seminars:	3 cr
	HONR 360/361 Honors Seminar in Philosophical & Moral Foundations	3 cr
	HONR 370/371 Honors Seminar in Scientific & Quantitative Analysis	3 cr
	HONR 380/381 Honors Seminar in Expression & Creativity	3 cr
	HONR 390/391 Honors Seminar in Individual & Society	3 cr
1.2	Selection of one of the four Honors Civic & Service Learning Seminars:	3 cr
	HONR 365/366 Honors Seminar in Philosophical & Moral Foundations	3 cr
	HONR 375/376 Honors Seminar in Scientific & Quantitative Analysis	3 cr
	HONR 385/386 Honors Seminar in Expression & Creativity	3 cr
	HONR 395/396 Honors Seminar in Individual & Society	3 cr
1.3	Honors-by-contract requirement:	4 cr
	HONR 401 Honors-by-Contract	1 cr*
1.4	Research requirements:	4 cr
	HONR 420 Honors Thesis Project	3 cr
	HONR 495 Honors Senior Seminar	1 cr

Total Credit Requirements for Honors in Core/Liberal Studies 21 cr

*The credit hour will be linked to an existing non-honors course.

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.

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 12 cr

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:

 - ANTH 233 Native Americans
 - ART 290 Museum Studies
 - ENG 231 Literature of the Hudson River Valley
 - ENSC 315 Natural History of the Hudson Valley
 - HONR 331 Hudson River Valley Studies: Contemporary Poetry in the Hudson Valley
 - HIST 220 The Empire State: A History of New York
 - ECON 210 Innovation in the Hudson River Valley
 - POSC 202/ENSC 202 Environmental Politics & Policy
 - POSC 211 American State & Local Politics

Total Credit Requirement for a Minor in Hudson River Valley Regional Studies 18 cr

INFORMATION TECHNOLOGY AND SYSTEMS

MATTHEW A. JOHNSON, M.S., *Chairperson*

MISSION:

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

Concentration in Information Technology

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

- 1.0 Course requirements in Major Field
 - CMPT 120 Introduction to Programming 4 cr
 - CMPT 220 Software Development I 4 cr

CMPT 221 Software Development II	4 cr	
CMPT 230 Software Systems and Analysis	4 cr	
CMPT 306 Data Communications and Networks	4 cr	
CMPT 308 Database Management	4 cr	
CMPT 307 Internetworking	4 cr	
CMPT 321 Architecture of Hardware and System Software	3 cr	
CMPT 330 System Design	4 cr	
CMPT 410 Systems Administration	4 cr	
CMPT 420 Internet Security	4 cr	
CMPT 430 Technology Entrepreneurship	3 cr	
CMPT 477 ITS Project I	3 cr	
CMPT 478 ITS Project II	1 cr	
Platform technology elective*	3-4 cr	
ITS Upper-level electives **	6-8 cr	
2.0 Course Requirements in Related Fields		
BUS 100 Introduction to Business and Management	3 cr	
MATH 130 Introduction to Statistics	3 cr	
MATH 205 Discrete Math I	4 cr	
MATH 241 Calculus I	4 cr	
Total Credit Requirement for a Major in ITS/Information Systems		73-76 cr
3.0 Core/Liberal Studies Requirements		
3.1 FOUNDATION		
FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	7 cr
3.2 DISTRIBUTION		
Breadth		
PHIL 101 Philosophical Perspectives	3 cr	
Ethics: CMPT 305 Technology, Ethics, and Society	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	3 cr	
Social Science	<u>3 cr</u>	21 cr
Pathway***		<u>12 cr</u>
Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement		40 cr
4.0 Electives and/or internship	<u>4-7 cr</u>	
Total Credit Requirement for Graduation		120 cr

* This is a CMPT course selected from those that teach a specific hardware and/or software platform. Such courses include those covering UNIX and z/OS.

** Elective Courses (6-8 credits) Information Technology majors extend their study of Information Technology by selecting two additional Computing Technology (CMPT) courses, both 300 level or above, in consultation with their faculty advisor. By selecting various combinations of courses, students can

- broaden their exposure to include the technologies in Enterprise Computing, E-commerce or Data Centers,
- focus on a particular Technology area that reflects their interests and career aspirations, or
- emphasize further study of Information Technology topics.

NOTE: Internship credits do not count for elective credits described in this section.

***Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY AND SYSTEMS

Concentration in Information Systems

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

1.0	Course requirements in Major Field		
	CMPT 120 Introduction to Programming	4 cr	
	CMPT 220 Software Development I	4 cr	
	CMPT 221 Software Development II	4 cr	
	CMPT 230 Software Systems and Analysis	4 cr	
	CMPT 306 Data Communications and Networks	4 cr	
	CMPT 308 Database Management	4 cr	
	CMPT 307 Internetworking	4 cr	
	CMPT 321 Architecture of Hardware and System Software	3 cr	
	CMPT 330 System Design	4 cr	
	CMPT 428 Data and Information Management	4 cr	
	CMPT 460 Decision Support and Business Intelligence Systems	4 cr	
	CMPT 477 ITS Project I	3 cr	
	CMPT 478 ITS Project II	1 cr	
	CMPT Upper-level electives *	3-4 cr	
2.0	Course Requirements in Related Fields		
	ACCT 203 Financial Accounting	3 cr	
	BUS 100 Introduction to Business and Management	3 cr	
	BUS 340 Marketing Management	3 cr	
	ECON 103 Principles of Microeconomics OR		
	ECON 104 Principles of Macroeconomics	3 cr	
	MATH 130 Introduction to Statistics	3 cr	
	MATH 205 Discrete Math	4 cr	
	MATH 241 Calculus I	<u>4 cr</u>	
Total Credit Requirement for a Major in ITS/Information Systems			73-74
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics: CMPT 305 Technology, Ethics and Society Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	3 cr	
	Social Science	0 cr	(fulfilled by major field req.)
			18 cr
	Pathway**		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			37 cr
4.0	Electives and/or internship		<u>9-10 cr</u>
Total Credit Requirement for Graduation			120 cr

* Elective Courses (3-4 credits) Information Systems majors extend their study of Information Systems by selecting two additional Computing Technology (CMPT) courses, 300 level or above, in consultation with their faculty advisor. By selecting various combinations of courses, students can

- broaden their exposure to include the technologies in Enterprise Computing, E-commerce or Data Centers,

- focus on a particular Systems area that reflects their interests and career aspirations, or
- emphasize further study of Information Systems topics.

NOTE: Internship credits do not count for elective credits described in this section.

** Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY AND SYSTEMS (INFORMATION TECHNOLOGY)

FRESHMAN YEAR

FALL

CMPT 120 Introduction to Programming	4 cr
MATH 130 Introduction to Statistics	3 cr
BUS 100 Intro to Business & Management	3 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	<u>3 cr</u>
	16 cr

SPRING

CMPT 220 Software Development I	4 cr
CMPT 230 Software Systems and Analysis	4 cr
MATH 205 Discrete Math I	4 cr
FYS 101 First-Year Seminar	4 cr
	<u>16 cr</u>

SOPHOMORE YEAR

FALL

CMPT 306 Data Communications & Networks	4 cr
CMPT 221 Software Development II	4 cr
CMPT 308 Database Management	4 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

MATH 241 Calculus I	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

CMPT 305 Technology, Ethics, and Society	3 cr
CMPT ITS Upper-level elective	3-4 cr
CMPT 321 Arch of Hardware & Sys Software	3 cr
Core/electives	<u>5-6 cr</u>
	15 cr

SPRING

CMPT 420 Internet Security	4 cr
Platform technology elective	3-4 cr
Core/electives	7-8 cr
	<u>15 cr</u>

SENIOR YEAR

FALL

CMPT 410 Systems administration	4 cr
CMPT 430 Technology Entrepreneurship	3 cr
CMPT 477 ITS Project I	3 cr
Core/electives	<u>3 cr</u>
	14 cr

SPRING

ITS Upper-level elective	3-4 cr
CMPT 478 ITS Project II	1 cr
Core/electives	9-10 cr
	<u>14 cr</u>

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY AND SYSTEMS (INFORMATION SYSTEMS)

FRESHMAN YEAR

FALL

CMPT 120 Intro to Programming	4 cr
MATH 130 Intro to Statistics	3 cr
BUS 100 Intro to Business & Mgmt	3 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	<u>3 cr</u>
	16 cr

SPRING

CMPT 220 Software Development I	4 cr
CMPT 230 Software Sys & Analysis	4 cr
MATH 205 Discrete Math I	4 cr
FYS 101 First-Year Seminar	4 cr
	<u>16 cr</u>

SOPHOMORE YEAR

FALL

CMPT 306 Data Comm & Networks	4 cr
CMPT 221 Software Development II	4 cr
CMPT 308 Database Management	4 cr
Core L/S	<u>3 cr</u>
	15 cr

SPRING

MATH 241 Calculus I	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core L/S	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

CMPT Upper Level Elective	3-4 cr
CMPT 321 Arc Hardware & Software	3 cr
ECON 103/104 Micro/Macro-economics	3 cr
Core L/S	3 cr
Core L/S	<u>3 cr</u>
	15-16 cr

SPRING

ACCT 203 Financial Accounting	3 cr
CMPT 428 Data & Info Management	4 cr
CMPT 305 Technology, Ethics and Society	3 cr
Core L/S	3 cr
General Elective	<u>3 cr</u>
	16 cr

SENIOR YEAR**FALL**

CMPT 477 ITS Project I	3 cr
CMPT 460 Decision Support & Business Intelligence Systems	4 cr
Core L/S	3 cr
Core L/S	<u>3 cr</u>
	13 cr

SPRING

CMPT 478 ITS Project II	1 cr
BUS 340 Marketing Management	3 cr
Core L/S	3 cr
General Elective	3 cr
General Elective	<u>3-4 cr</u>
	13-14 cr

B.S./M.S. PROGRAM IN INFORMATION SYSTEMS

EITEL LAURIA, Ph.D., *Graduate Director, Department of Computing Technology*

In addition to its undergraduate major in Information Technology and Systems, the Department of Computing Technology also offers a Master of Science in Information Systems (MSIS) Degree which currently includes three concentrations: Information Systems Management, Business Analytics, and Computer Networks & Security

The Department recognizes that for some outstanding undergraduate ITS 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.

Selected undergraduate ITS Students pursuing the concentration in Information Systems can join the Five-Year Program with a concentration in Information Systems Management and Business Analytics.

Selected undergraduate ITS Students pursuing the concentration in Information Technology can join the Five-Year Program with a concentration in Computer Networks & Security.

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 156 credits (120 + 36), those undergraduate ITS Students pursuing the concentration in Information Systems who are admitted to this program will be required to take only 144 credits to complete the concentration in Information Systems Management and Business Analytics, or 24 additional credits that can be completed in two semesters, normally the fall and spring following their undergraduate studies. Likewise, those undergraduate ITS Students pursuing the concentration in Information Technology who are admitted to this program will be required to take only 144-145 credits, to complete the dual concentration in Computer Networks & or 24-25 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 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 ITS faculty member early in their studies at Marist, but no later than the beginning of their fourth semester.

REQUIREMENTS FOR A 5-YEAR B.S./M.S. PROGRAM IN INFORMATION TECHNOLOGY & SYSTEMS***Concentration in Information Systems Management and Business Analytics***

1.0	Course Requirements in Major Field	
	CMPT 120 Introduction to Programming	4 cr
	CMPT 220 Software Development I	4 cr
	CMPT 221 Software Development II	4 cr
	CMPT 230 Software Systems and Analysis	4 cr
	CMPT 306 Data Communications & Networks	4 cr
	CMPT 308 Database Management	4 cr
	CMPT 307 Internetworking	4 cr
	CMPT 321 Architecture of Hardware and System Software	3 cr
	CMPT 330 System Design	4 cr
	CMPT 428 Data and Information Management	4 cr
	Four credit ITS Upper-Level elective	4 cr
	CMPT 477 ITS Project I	3 cr
	CMPT 478 ITS Project II	1 cr
2.0	Course Requirements in Related Fields	
	ACCT 203 Financial Accounting	3 cr
	BUS 100 Introduction to Business and Management	3 cr
	BUS 340 Marketing Management	3 cr
	ECON 103 Principles of Microeconomics OR	
	ECON 104 Principles of Macroeconomics	3 cr
	MATH 130 Introduction to Statistics	3 cr
	MATH 205 Discrete Math	4 cr
	MATH 241 Calculus I	<u>4 cr</u>

Total Credit Requirement for a Major in Data Science & Analytics

70 cr

3.0	Core / Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics: CMPT 305 Technology, Ethics and Society Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major req.)
	Natural Science	3 cr	
	Social Science	<u>0 cr</u>	(fulfilled by major req.)
			18 cr
	Pathway*		
	Courses addressing an interdisciplinary topic		<u>12 cr</u>
	Total Credit Requirement for Core / Liberal Studies		37 cr
4.0	Undergraduate General electives and/or Internships		4 cr
5.0	Graduate Courses taken at Undergraduate Level		
	MSIS 527 Systems & Inf. Concepts in Organizations	3 cr	
	MSIS 545 Into to Data Analysis & Comp. Stats	3 cr	
	MSIS 645 Data Mining & Pred. Analytics	<u>3 cr</u>	<u>9 cr</u>
	Total Four-Year Credit Requirement **		120 cr
6.0	Fifth-Year Graduate Courses		
	MSIS 620 Emerging Technologies	3 cr	
	MSIS 730 Information Systems Policy	3 cr	
	MSIS 637 Decision Support Systems	3 cr	
	MSIS 621 Enterprise Architectures	3 cr	
	MSIS 720 Capstone Project	3 cr	
	MSIS/MSCS/MBA approved electives	<u>9 cr</u>	
	Total Graduate Credits, Fifth Year		<u>24 cr</u>
	Total Credit Requirement for Completing Five-Year B.S./M.S Program **		144 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

** Students would normally receive both the B.S. and M.S. degrees in the Spring of the fifth year at the conclusion of their studies

REQUIREMENTS FOR A 5-YEAR B.S./M.S. PROGRAM IN INFORMATION TECHNOLOGY & SYSTEMS

Concentration in Computer Networks and Security

1.0	Course Requirements in Major Field	
	CMPT 120 Introduction to Programming	4 cr
	CMPT 220 Software Development I	4 cr
	CMPT 221 Software Development II	4 cr
	CMPT 230 Software Systems and Analysis	4 cr
	CMPT 306 Data Communications & Networks	4 cr
	CMPT 308 Database Management	4 cr
	CMPT 307 Internetworking	4 cr
	CMPT 321 Architecture of Hardware and System Software	3 cr
	CMPT 330 System Design	4 cr

CMPT 410 Systems Administration	4 cr	
CMPT 420 Internet Security	4 cr	
CMPT 430 Technology Entrepreneurship	3 cr	
CMPT 477 ITS Project I	3 cr	
CMPT 478 ITS Project II	1 cr	
Platform technology elective	3-4 cr	
CMPT Upper-level elective	4 cr	
2.0 Course Requirements in Related Fields		
BUS 100 Introduction to Business and Management	3 cr	
MATH 130 Introduction to Statistics	3 cr	
MATH 205 Discrete Math	4 cr	
MATH 241 Calculus I	<u>4 cr</u>	
Total Credit Requirement for a Major in Data Science & Analytics		71-72 cr
3.0 Core / Liberal Studies Requirements		
3.1 FOUNDATION		
FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	
		7 cr
3.2 DISTRIBUTION		
Breadth		
PHIL 101 Philosophical Perspectives	3 cr	
Ethics: CMPT 305 Technology, Ethics and Society Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major req.)
Natural Science	3 cr	
Social Science	<u>3 cr</u>	
		21 cr
Pathway*		
Courses addressing an interdisciplinary topic		<u>12 cr</u>
Total Credit Requirement for Core / Liberal Studies		40 cr
4.0 Undergraduate General electives and/or Internships		0 cr
5.0 Graduate Courses taken at Undergraduate Level		
MSIS 527 Systems & Inf. Concepts in Organizations	3 cr	
MSIS 601 Network Design & Implement	3 cr	
MSIS/MSCS/MBA approved electives	<u>3 cr</u>	
		<u>9 cr</u>
Total Four-Year Credit Requirement **		120-121 cr
6.0 Fifth-Year Graduate Courses		
MSIS 602 Network Security	3 cr	
MSIS 730 Information Systems Policy	3 cr	
MBA 667 Accounting	3 cr	
MSIS 603 Network Virtualization	3 cr	
MSIS 720 Capstone Project	3 cr	
MSIS/MSCS/MBA approved electives	<u>9 cr</u>	
Total Graduate Credits, Fifth Year		<u>24 cr</u>
Total Credit Requirement for Completing Five-Year B.S./M.S Program **		144-145 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

** Students would normally receive both the B.S. and M.S. degrees in the Spring of the fifth year at the conclusion of their studies

RECOMMENDED PROGRAM SEQUENCE FOR A 5-YEAR B.S./M.S. PROGRAM IN INFORMATION TECHNOLOGY & SYSTEMS (INFORMATION SYSTEMS MANAGEMENT AND BUSINESS ANALYTICS)

FRESHMAN YEAR

FALL

CMPT 120 Introduction to Programming	4 cr
MATH 130 Introduction to Statistics	3 cr
BUS 100 Introduction to Business & Mgmt.	3 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	<u>3 cr</u>
	16 cr

SPRING

CMPT 220 Software Development I	4 cr
CMPT 230 Software Systems & Analysis	4 cr
MATH 205 Discrete Mathematics	4 cr
FYS 101 First-Year Seminar	4 cr
	<u>16 cr</u>

SOPHOMORE YEAR

FALL

CMPT 306 Data Communication & Networks	4 cr
CMPT 221 Software Development II	4 cr
CMPT 308 Database Management	4 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

MATH 241 Calculus I	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

CMPT 321 Arch. of Hardware & Software	3 cr
ECON 303/304 Micro/Macro Economics	3 cr
CMPT 305 Technology, Ethics, & Society	3 cr
Upper level Elective	4 cr
Core/LS	<u>3 cr</u>
	16 cr

SPRING

ACCT 203 Financial Accounting	3 cr
CMPT 428 Data & Information Mgmt	4 cr
BUS 340 Marketing Mgmt	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	16 cr

SENIOR YEAR

FALL

CMPT 477 ITS Project I	3 cr
MSIS527 Systems & Inf. Concepts in Org.	3 cr
MSIS 545 Into to Data Analysis & Comp. Stats.	3 cr
Core/LS	3 cr
	<u>12 cr</u>

SPRING

CMPT 478 ITS Project II	1 cr
MSIS 645 Data Mining & Pred. Analytics	3 cr
Core/LS	3 cr
Core/LS	3 cr
General Elective or Internship	<u>4 cr</u>
	14 cr

FIFTH YEAR (Graduate)

FALL

MSIS 620 Emerging Technologies	3 cr
MSIS 730 Information Systems Policy	3 cr
MSIS 637 Decision Support Systems	3 cr
MSIS/MSCS/MBA approved elective	3 cr
	<u>12 cr</u>

SPRING

MSIS 720 Capstone Project	3 cr
MSIS 621 Enterprise Architectures	3 cr
MSIS/MSCS/MBA approved elective	3 cr
MSIS/MSCS/MBA approved elective	3 cr
	<u>12 cr</u>

REQUIREMENTS FOR A 5-YEAR B.S./M.S. PROGRAM IN INFORMATION TECHNOLOGY & SYSTEMS (COMPUTER NETWORKS AND SECURITY)

FRESHMAN YEAR

FALL

CMPT 120 Introduction to Programming	4 cr
MATH 130 Introduction to Statistics	3 cr
BUS 100 Introduction to Business & Mgmt.	3 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	<u>3 cr</u>
	16 cr

SPRING

CMPT 220 Software Development I	4 cr
CMPT 230 Software Systems & Analysis	4 cr
MATH 205 Discrete Mathematics	4 cr
FYS 101 First-Year Seminar	4 cr
	<u>16 cr</u>

SOPHOMORE YEAR

FALL

CMPT 306 Data Communication & Networks	4 cr
CMPT 221 Software Development II	4 cr
CMPT 308 Database Management	4 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

MATH 241 Calculus I	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR**FALL**

CMPT 321 Arch. of Hardware & Software	3 cr
CMPT Platform Elective	3-4 cr
CMPT 305 Technology, Ethics, & Society	3 cr
Core/LS	3 cr
Core/LS	3 cr
	<u>3 cr</u>
	15-16 cr

SPRING

CMPT 420 Internet Security	4 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
	<u>3 cr</u>
	16 cr

SENIOR YEAR**FALL**

CMPT 477 ITS Project I	3 cr
CMPT 410 Systems Administration.	4 cr
MSIS527 Systems & Inf. Concepts in Org.	3 cr
CMPT 430 Technology Entrepreneurship	3 cr
	<u> </u>
	13 cr

SPRING

CMPT 478 ITS Project II	1 cr
CMPT Upper Level Elective	4 cr
MSIS 601 Network Design & Implement.	3 cr
MSIS/MSCS/MBA approved elective	3 cr
Core/LS	3 cr
	<u>3 cr</u>
	14 cr

FIFTH YEAR (Graduate)**FALL**

MSIS 602 Network Security	3 cr
MSIS 730 Information Systems Policy	3 cr
MBA 667 Accounting	3 cr
MSIS/MSCS/MBA approved elective	3 cr
	<u>3 cr</u>
	12 cr

SPRING

MSIS 720 Capstone Project	3 cr
MSIS 603 Network Virtualization	3 cr
MSIS/MSCS/MBA approved elective	3 cr
MSIS/MSCS/MBA approved elective	3 cr
	<u>3 cr</u>
	12 cr

REQUIREMENTS FOR A MINOR IN INFORMATION TECHNOLOGY

CMPT 120 Introduction to Programming	4 cr
CMPT 220 Software Development I	4 cr
CMPT 221 Software Development II	4 cr
CMPT 306 Data Communications and Networks	4 cr
MATH 205 Discrete Mathematics	4 cr
CMPT 307 Internetworking	4 cr

Total Credit Requirement for a Minor in Information Technology 24 cr

REQUIREMENTS FOR A MINOR IN ENTERPRISE COMPUTING

CMPT 120L Introduction to Programming	4 cr
CMPT 220 Software Development I	4 cr
CMPT 315 Introduction to z/OS and Major Subsystems	4 cr
Select 3 electives from the following:	
CMPT 316N z/OS Networking	3 cr
CMPT 317N z/OS Security	3 cr
CMPT 451N z/OS Advanced Topics	3 cr
CMPT 452N z/OS RAS and PD	3 cr
CMPT 455N DB2 Fundamentals	3 cr
CMPT 456N z/OS Performance Fundamentals	3 cr
CMPT 453N z/OS Emerging Technologies	3 cr
CMPT 454N z/OS Installation	3 cr

Total Credit Requirement for a Minor in Enterprise Computing 21 cr

REQUIREMENTS FOR A MINOR IN INFORMATION SYSTEMS

CMPT 120L Introduction to Programming	4 cr
BUS 100N Introduction to Business and Management	3 cr
CMPT 230L Software Systems and Analysis	4 cr
CMPT 306 Data Communications	4 cr
CMPT 330L System Design	4 cr
CMPT 308L Database Management	4 cr

Total Credit Requirement for a Minor in Information Systems 23 cr

DATA CENTER FACILITIES MANAGEMENT ASSOCIATE AND PROFESSIONAL CERTIFICATES

The Data Center Facilities Management Associate and Professional Certificates provide a fast-track opportunity to (re)train for entry-level data center operations positions and to provide competency in critical infrastructure design and management, and problem-solving acumen. The program provides essential knowledge and skills in the unique aspects of managing the power, cooling and design of a data center facility as well as the information technology resources that continuously challenge system operational efficiency. The Professional certificate will focus on the interconnectivity of the data center, challenges of managing a “cloud” infrastructure and project management. Completion of the two certificates allows students to earn 20 undergraduate credits that can be applied toward the Marist College Bachelor of Science Degree in Professional Studies with an emphasis in Data Center Technologies.

Admission Requirements: HS diploma or equivalency

Associate Certificate in Data Center Facilities Management

Requirements:

Students must pass each course with a “C” or better to attain certificates.

ITS 130 Information Technology and Systems Concepts	3 cr
CMPT 482 Introduction to Facilities Management	3 cr
CMPT 487 Advanced Facilities Management	3 cr
	9 cr

Professional Certificate in Data Center Facilities Management

Requirements:

Students must pass each course with a “C” or better to attain certificates.

ITS 130 Information Technology and Systems Concepts	3 cr
CMPT 482 Introduction to Facilities Management	3 cr
CMPT 487 Advanced Facilities Management	3 cr
CMPT 306 Data Communication and Networks	4 cr
CMPT 309 Project Management	3 cr
CMPT 483 Cloud Infrastructure and Services	4 cr
	20 cr

ITALIAN

IVETTE ROMERO, Ph.D., *Chairperson*

MISSION:

The B.A. in Italian provides the foundational skills for spoken and written proficiency as well as essential knowledge of Italian culture through the study of a broad range of topics such as Italian literature, history, and contemporary ideas. The minor provides students with a solid base for the many professions linked with international endeavors and helps to prepare students to work in Italian and Italian American communities and institutions here and abroad.

With the growing interest in Italian and Italian American studies at a national level, students of the Italian program will have the opportunity to expand their knowledge and language skills by integrating the major or minor into other fields, such as business, communications, economics, education, fashion, history, and political science, through interdisciplinary coursework that explores various theoretical and methodological approaches. The program strongly encourages students to fulfill their immersion experience through study abroad at Marist’s branch campuses in Italy or other venues available through the Marist International Programs (MIP).

REQUIREMENTS FOR A BACHELOR OF ARTS IN ITALIAN

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

STUDY ABROAD REQUIREMENT: Students must complete a minimum of 15 credits of course work in the major at an Italy branch campus. Additional semester(s) of study are strongly encouraged. Other study abroad programs in Italian-speaking environments will be considered with advisor approval.

1.0 Course Requirements in Italian

Approved courses in tracks:

Single Major Track

ITAL 201 Advanced Italian I	3 cr
ITAL 250 Civilizations of Italy	3 cr
ITAL 281 Italian for Conversation	3 cr
ITAL 282 Advanced Reading and Composition	3 cr
ITAL 477 Capping Course	3 cr
Additional upper-level Italian courses at the 300 level or higher, as approved by advisor. At least one elective course must be in literature.	<u>21 cr</u>
	36 cr

Double Major Track

ITAL 201 Advanced Italian I	3 cr	
ITAL 250 Civilizations of Italy	3 cr	
ITAL 281 Italian for Conversation	3 cr	
ITAL 282 Advanced Reading and Composition	3 cr	
ITAL 477 Capping Course	3 cr	
Additional upper-level Italian courses at the 300 level or higher, as approved by advisor. At least one elective course must be in literature.	<u>15 cr</u>	30 cr

NOTE: Internships carry elective credits and will not fulfill the above requirements.

Total Credit Requirement for a Major in Italian

30-36 cr

2.0 Core/Liberal Studies Requirements

2.1 FOUNDATION

FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	7 cr

2.2 DISTRIBUTION

Breadth

PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	0 cr	(fulfilled by major field req.)
Mathematics	3 cr	
Natural Science	3 cr	
Social Science	<u>3 cr</u>	21 cr

Pathway*

Courses addressing an interdisciplinary topic. 12 cr

Total Core/Liberal Studies Requirement

40 cr

3.0 Electives

44-50 cr**Total Credit Requirement for Graduation**

120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

REQUIREMENTS FOR A MINOR IN ITALIAN

1.0 ITAL 201 Advanced Italian I	3 cr	
ITAL 250 Civilizations of Italy	3 cr	
ITAL 281 Italian for Conversation	3 cr	
ITAL 282 Advanced Reading and Composition	3 cr	
Italian Electives:	<u>6 cr</u>	
Two Italian courses selected with advisement at 300 level or higher. At least one elective course must be in literature.		

Total Credit Requirement for a Minor in Italian

18 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ITALIAN**FRESHMAN YEAR****FALL**

ITAL 201 Advanced Italian I	3 cr
FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	3 cr
Elective	<u>3 cr</u>
	16 cr

SPRING

ITAL 281 Italian Conversation I	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

ITAL 282 Advanced Reading and Composition	3 cr
ITAL 300 or 400 Language/Literature	3 cr
Core/LS	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

ITAL 250 Civilizations of Italy	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

ITAL 300 or 400 Level Elective	3 cr
ITAL 300 or 400 Level Elective	3 cr
ITAL 300 or 400 Level Literature	3 cr
ITAL 300 or 400 Level Language	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

ITAL 300 or 400 Level Elective	3 cr
ITAL 300 or 400 Level Elective	3 cr
ITAL 300 or 400 Level Elective	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

ITAL 300 or 400 Level Elective	3 cr
Electives	<u>12 cr</u>
	15 cr

SPRING

ITAL 477 Capping Course	3 cr
Electives	<u>11 cr</u>
	14 cr

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 303 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 humanities and 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 (especially English, French and Spanish) by integrating work in the fields of Business, Communications, Economics, Education, Environmental Science, History, Political Science, and Sociology with interdisciplinary coursework that explores various theoretical and methodological approaches.

REQUIREMENTS FOR A MINOR 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	
	POSC 350 Latin American Politics	
	SOC 336 Social Inequality	
	SPAN 260 Cultures of Latin America	
	SPAN 154 Civilization of Hispanics in the United States OR	
	SPAN 270 Cultures of Hispanics in the U.S.	
	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.	<u>0-6 cr</u>
	Credit Requirement in Related Fields	9-15 cr
	NOTE: All courses taken at the University of Havana (Cuba) count towards this minor.	
	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 Native Americans

Art:

ART 255 Pre-Columbian Art

Business:

BUS 202 Global Business and Society

BUS 430 International Trade Management (prerequisite BUS 100 or ACCT 204)

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 Seminar in Art of Culture: contingent on appropriate course topic

Media Arts:

MDIA 442 Topics in Global Cinema (Brazilian Cinema)

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 Cultures of 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 270 Cultures of Hispanics in the U.S. (in Spanish)

SPAN 370 Latin American Women Writers (in Spanish)

SPAN 392, 393 Special Topics (focus on Latin America or the Caribbean)

SPAN 394, 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 113 International Relations
 POSC 236 Politics of Developing Areas
 POSC 350 Latin American Politics

Philosophy and Religion:

REST 219 Sociology of Religion
 REST 225 Global Liberation Theology

Social Work:

SOCW 395 Social Work with Diverse Populations

Sociology:

SOC 336 Social Inequality

Other courses may fulfill the 3 elective requirements if approved by the Latin American/Caribbean Studies Coordinator.

MATHEMATICS

TRACEY MCGRAIL, Ph.D., *Chairperson*

MISSION:

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. Applied Statistics, Operating Research, and Numerical Analysis emphasize the ideas and methods used in business and industry. Abstract Algebra II, Differential Equations, and Complex Variables emphasize the conceptual understanding of mathematics and the techniques useful in the sciences

Mathematics majors pursuing certification for Adolescence Education should refer to the Mathematics Education section of the catalog.

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 Introduction to Mathematical 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 Capping Course	3 cr
1.1	Additional Upper-Level Mathematics Courses	9 cr
	MATH 321 Differential Equations	
	MATH 331 Applied Statistics	
	MATH 393 Special Topics in Mathematics I	
	MATH 394 Special Topics in Mathematics II	
	MATH 411 Abstract Algebra II	
	MATH 412 Computational Linear Algebra	
	MATH 421 Mathematical Analysis II	
	MATH 422 Applied Mathematics	
	MATH 423 Applied Mathematics II	
	MATH 424 Complex Analysis	
	MATH 430 Operations Research	

MATH 440 Numerical Analysis
 MATH 441 Combinatorics
 MATH 450 Fundamental Concepts of Geometry
 MATH 451 Elementary Topology
 MATH 452 Foundations of Mathematics

Credit Requirement in Mathematics		39 cr
2.0 Course Requirements in Related Fields		
DATA 220 Introduction to Data Analysis OR		4 cr
CMPT 120 Introduction to Programming		
Total Credit Requirement for a Major in Mathematics		<u>43 cr</u>
3.0 Core/Liberal Studies Requirements		
3.1 FOUNDATION		
FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	7 cr
3.2 DISTRIBUTION		
Breadth		
PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	3 cr	
Social Science	<u>3 cr</u>	
		21 cr
Pathway**		<u>12 cr</u>
Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement		40 cr
4.0 Electives		<u>37 cr</u>

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

* While several of the 300-400 level mathematics courses are offered each semester, many of these courses are offered only annually or biennially. Please visit the Department of Mathematics page at the Marist College web site for the current schedule of course offerings.

** Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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
DATA 220 Intro Data OR CMPT 120 Intro. Prog.	4 cr
FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
	<hr/>
	15 cr

SPRING

MATH 242 Calculus II	4 cr
PHIL 101 Philosophical Perspectives	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	16 cr

SOPHOMORE YEAR

FALL

MATH 343 Calculus III	4 cr
MATH 210 Linear Algebra	3 cr
Core/LS	3 cr
Core/LS	3 cr
General Elective	<u>3 cr</u>
	16 cr

SPRING

MATH 310 Intro Math Reasoning	3 cr
Core/LS	3 cr
Core/LS	3 cr
General Elective	3 cr
General Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

MATH 300/400-level Requirement	3 cr
MATH 300/400-level Requirement	3 cr
Core/LS	3 cr
General Elective	3 cr
General Elective	<u>3 cr</u>
	15 cr

SPRING

MATH 300/400-level Elective	3 cr
MATH 300/400-level Elective	3 cr
Core/LS	3 cr
General Elective	3 cr
General Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

MATH 300/400-level Requirement	3 cr
MATH 300/400-level Elective	3 cr
Core/LS	3 cr
General Elective	3 cr
General Elective	<u>3 cr</u>
	15 cr

SPRING

MATH 477 Capping Course	3 cr
General Elective	3 cr
General Elective	3 cr
General Elective	4 cr
	<hr/>
	13 cr

REQUIREMENTS FOR A MINOR IN MATHEMATICS

MATH 241, 242, 343, Calculus I-III	12 cr
MATH 310 Introduction to Mathematics Reasoning	3 cr
Select One:	
MATH 210 Linear Algebra	3 cr
MATH 205 Discrete Mathematics	4 cr

Total Credit Requirement for a Minor in Mathematics

18-19 cr

MATHEMATICS EDUCATION

JOSEPH KIRTLAND, Ph.D., *Chairperson*

MISSION:

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. Applied Statistics, Operations Research, and Numerical Analysis emphasize the ideas and methods used in business and industry. Abstract Algebra II, Differential Equations, and Complex Variables emphasize the conceptual understanding of mathematics and the techniques useful in the sciences.

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

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

Marist College offers a state-approved program leading to initial teacher certification in Adolescence Education: Mathematics (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. Information about eligibility for this program as well as education and related field requirements for Adolescence Education certification can be found on page 103 of this catalog.

REQUIREMENTS FOR A BACHELOR OF ARTS IN MATHEMATICS WITH ADOLESCENCE EDUCATION CERTIFICATION

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 Introduction to Mathematical 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 450 Fundamental Concepts of Geometry	3 cr	
	MATH 477 Capping Course	3 cr	
1.1	Additional Upper-Level Mathematics Courses*	6 cr	
	MATH 321 Differential Equations		
	MATH 331 Applied Statistics		
	MATH 393 Special Topics in Mathematics I		
	MATH 394 Special Topics in Mathematics II		
	MATH 411 Abstract Algebra II		
	MATH 412 Computational Linear Algebra		
	MATH 421 Mathematical Analysis II		
	MATH 422 Applied Mathematics		
	MATH 423 Applied Mathematics II		
	MATH 424 Complex Analysis		
	MATH 430 Operations Research		
	MATH 440 Numerical Analysis		
	MATH 441 Combinatorics		
	MATH 451 Elementary Topology		
	MATH 452 Foundations of Mathematics		
	Credit Requirement in Mathematics	39 cr	
2.0	Course Requirements in Related Fields		
	DATA 220 Introduction to Data Analysis OR	4 cr	
	CMPT 120 Introduction to Programming		
3.0	Education Classes		
	PSYC 101 Intro to Psychology	3 cr	(credits fulfill the Core/LS social science req.)
	PSYC 207 Exceptional Child		
	or EDUC 372 Inclusive Adolescence Education	3 cr	(credits fulfill the Core/LS social science req.)
	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 Language Arts	3 cr	
	EDUC 355 Teaching Language Arts/Content Areas	3 cr	
	EDUC 410 Participation/Observation	1 cr	
	EDUC 424 Methods of Teaching Mathematics in Secondary Schools	3 cr	
	EDUC 464 Student Teaching	12 cr	
	Foreign Language**	<u>3-6 cr</u>	
	Credit Requirement in Education	40-43 cr	
	Total Credit Requirement for a Major in Mathematics Education		<u>83-86 cr</u>
4.0	Core/Liberal Studies Requirements		
4.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
		7 cr	
4.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	

Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	3 cr	
Social Science	<u>0 cr</u>	(fulfilled by education req.)

18 cr

Pathway***

12 cr

Courses addressing an interdisciplinary topic

Total Core/Liberal Studies Requirement

37 cr

Total Credit Requirement for Graduation

120-123 cr

* While several of the 300-400 level mathematics courses are offered each semester, many of these courses are offered only annually or biennially. Please visit the Department of Mathematics page at the Marist College web site for the current schedule of course offerings.

** Foreign Language Requirement: 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.

*** Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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 WITH ADOLESCENCE EDUCATION CERTIFICATION

FRESHMAN YEAR

FALL

MATH 241 Calculus I	4 cr
DATA 220 Intro. Data OR CMPT 120 Intro. Prog.	4 cr
PSYC 101 Intro to Psychology	3 cr
FYS 101 First Year Seminar	4 cr
	<u>15 cr</u>

SPRING

MATH 242 Calculus II	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
EDUC 101 Foundations of Education	3 cr
Core Dist.	<u>3 cr</u>
	16 cr

SOPHOMORE YEAR

FALL

MATH 343 Calculus III	4 cr
MATH 210 Linear Algebra	3 cr
EDUC 150 Learning Through Technology	3 cr
PSYC 207 The Exceptional Child	
or EDUC 372 Inclusive Adolescence Education	3 cr
Core Dist.	<u>3 cr</u>
	16 cr

SPRING

MATH 310 Intro to Math Reasoning	3 cr
PSYC 318 Psychology of the Adolescent	3 cr
Core Dist.	3 cr
Core Dist.	3 cr
Core Dist.	3 cr
	<u>15 cr</u>

JUNIOR YEAR

FALL

MATH 450 Fund. Concepts of Geometry	
or MATH 300/400-level Requirement	3 cr
MATH 300/400-level Requirement	3 cr
EDUC 354 Teaching of Language Arts	3 cr
Core Dist. – Elem. Foreign Lang.	3 cr
Core Dist.	<u>3 cr</u>
	15 cr

SPRING

MATH 300/400-level Elective	3 cr
MATH 300/400-level Elective	3 cr
EDUC 355 Reading/Writing Content Area	3 cr
Core Dist. – Elem. Foreign Lang.	3 cr
General Elective	3 cr
	<u>15 cr</u>

SENIOR YEAR

FALL

EDUC 410 Participation/Observation	1 cr
EDUC 424 Methods of Teaching Math	3 cr
MATH 450 Fund. Concepts of Geometry	
or MATH 300/400-level Requirement	3 cr
MATH 300/400-level Requirement	3 cr
Core Dist.	<u>3 cr</u>
	13 cr

SPRING

MATH 477 Capping Course	3 cr
EDUC 464 Student Teaching	12 cr
	<u>15 cr</u>

MEDIA STUDIES AND PRODUCTION

SUE LAWRENCE, Ph.D., *Chairperson, Film, TV, Games, and Interactive Media Department*

MISSION:

The B.A in Media Studies and Production fosters critical thinking, strong hands-on skills, and creativity in the study and production of media. Drawing from a strong liberal arts foundation, Media Studies and Production integrates the history, theory, and analysis of visual culture with production experience and internship opportunities in the areas of television, film, interactive media, and game design. It prepares students for fulfilling careers in a wide-range of media industries.

The program offers concentrations in Film & Television and Interactive Media & Game Design, as well as three minors in Digital Video Production, Interactive Media, and Cinema Studies.

Opportunities for internships are readily available. The strong alumni network of the School of Communication and the Arts ensures that students intern in some of the top media organizations in the Northeast, including the major television networks, film studios, public relations firms, radio stations, game studios, design firms, technology companies, nonprofit and human-service agencies, and Fortune 500 companies. This on-the-job training prepares graduates to enter this exciting and ever-changing profession.

OBJECTIVES:

The goals and objectives of the B.A. in Media Studies and Production are:

1. To develop students' understanding of media theory and the ability to translate this knowledge successfully into practice through the gathering, evaluating, and synthesizing of information from various sources.
2. To develop students' ability to communicate effectively in writing and through various forms of media technologies.
3. To develop students' creative, innovative, aesthetic, and critical skills in producing visual, audio, and/or written works of excellence.

MINORS

The program also includes minors in Digital Video Production, Interactive Media, and Cinema Studies for students outside Media Studies and Production who are interested in combining the study or the production of media with other disciplines. Students in Media Studies and Production cannot complete these minors. Students can, however, declare a double concentration in Film & Television and Interactive Media & Game Design.

Foundation Courses (6 credits)

Students majoring in Media Studies and Production are required to take two foundation courses. These courses will be taken during the freshman year.

MDIA 101 Introduction to Media Studies	3 cr
MDIA 103 Digital Toolbox	3 cr

Concentrations (33 credits)

Media Studies and Production majors are required to select one of two concentrations: Film & Television or Interactive Media & Game Design. The courses that make up the concentration requirements provide both focus and depth of study.

Interactive Media & Game Design Concentration

MDIA 110 Intro to Design
MDIA 201 Writing for Media
MDIA 210 Interactive Media I
MDIA 310 Interactive Media II
MDIA 311 Media Theory and Methods

Select two:

MDIA 312 Online Culture
MDIA 313 Storytelling Across Media
MDIA 316 Ethics and Gaming
MDIA 320 History of Electronic Media
MDIA 411 Topics in Interactive Media (can be taken up to three times under different topics)

Select four:

MDIA 203 Video Production
MDIA 302 Editing
MDIA 304 Audio Production
MDIA 314 Game Design I
MDIA 410 Game Design II
MDIA 432/Art 432 3D Animation
Any approved Digital Media courses offered through the Art department

Film & Television Concentration

MDIA 120 Art of Film
MDIA 201 Writing for Media
MDIA 203 Video Production

Select one:

MDIA 321 Television Theory and Criticism
MDIA 322 Film Theory and Criticism

Select three:

- MDIA 320 History of Electronic Media
- MDIA 323 Film and History
- MDIA 324 Experimental Film and Video
- MDIA 325 Documentary
- MDIA 326 Race and Ethnicity in Film
- MDIA 331 Current Issues in Television (can be taken up to three times under different topics)
- MDIA 332 Current Issues in Film (can be taken up to three times under different topics)
- MDIA 335 Gender and Media
- MDIA 339 Film and Literature
- MDIA 421 Topics in Television (can be taken up to three times under different topics)
- MDIA 422 Topics in Global Cinema (can be taken up to three times under different topics)

Select four. One must be at the 400 level:

- MDIA 301 Screenwriting for Film and Television
- MDIA 302 Editing
- MDIA 304 Audio Production
- MDIA 305 Lighting and Cinematography
- MDIA 306 Media Performance
- MDIA 401 Advanced Screenwriting
- MDIA 402 Advanced Post Production
- MDIA 403 Multi-Camera Production
- MDIA 405 Digital Filmmaking

Electives (6 credits)

Each student is required to take two additional elective courses at any level drawn from Media Arts or Communication. These courses could be selected to allow a greater depth in investigating subjects encountered in the foundation or concentration requirements. Alternatively, these courses could be designed to broaden a student’s understanding of subjects beyond the student’s specialized concentration.

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

Capping Course (3 credits)

- MDIA 480 Capping

REQUIREMENTS FOR A BACHELOR OF ARTS IN MEDIA STUDIES AND PRODUCTION

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

1.0 Course Requirements in Media Studies and Production

Foundation Courses	6 cr
Concentration Courses	33 cr
Electives	6 cr
Capping Course	3 cr

Total Credit Requirement in Media Studies and Production

48 cr

3.0 Core/Liberal Studies Requirements

3.1 FOUNDATION

FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	<u>3 cr</u>
	7 cr

3.2 DISTRIBUTION

Breadth	
PHIL 101 Philosophical Perspectives	3 cr
Ethics, Applied Ethics, or Religious Studies	3 cr
Fine Arts	3 cr
History	3 cr
Literature	3 cr
Mathematics	3 cr
Natural Science	3 cr
Social Science	<u>3 cr</u>
	<u>24 cr</u>

Pathway*

Courses addressing an interdisciplinary topic.	<u>12 cr</u>
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Total Core/Liberal Studies Requirement

43 cr

Total Credit Requirement for Graduation

120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

Internships

0-14 credits

Students may take up to 14 general elective non-liberal arts credits in internships during fall, spring, and summer semesters only. Students may enroll in more than one internship. International internships are available through application to the Marist International Program (MIP). 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 Digital Video Production (15 credits)**Two required courses:**

MDIA 103 Digital Toolbox
MDIA 203 Video Production

Select three:

MDIA 201 Writing for Media
MDIA 301 Screenwriting for Film and Television
MDIA 302 Editing
MDIA 304 Audio Production
MDIA 305 Lighting and Cinematography
MDIA 306 Media Performance
MDIA 403 Multi-Camera Production
MDIA 405 Digital Filmmaking

Requirement for a Minor in Interactive Media (15 credits)**Two required courses:**

MDIA 103 Digital Toolbox
MDIA 210 Interactive Media I

Select three:

MDIA 201 Writing for Media
MDIA 310 Interactive Media II
MDIA 311 Media Theory and Methods
MDIA 312 Online Culture
MDIA 313 Storytelling Across Media
MDIA 314 Game Design I

Requirements for a Minor in Cinema Studies (15 credits)**Two required courses:**

MDIA 120 Art of Film
MDIA 322 Film Theory and Criticism

Select three:

MDIA 323 Film and History
MDIA 324 Experimental Film and Video
MDIA 325 Documentary
MDIA 326 Race and Ethnicity in Film
MDIA 332 Current Issues in Film (can be taken up to three times under different topics)
MDIA 335 Gender and Media
MDIA 339 Film and Literature
MDIA 422 Topics in Global Cinema (can be taken up to three times with new topics)
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

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN MEDIA STUDIES AND PRODUCTION: FILM AND TELEVISION CONCENTRATION

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
MDIA 103 Digital Toolbox	3 cr
MDIA 120 Art of Film	<u>3 cr</u>
	16 cr

SPRING

MDIA 102 Introduction to Media Studies	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

MDIA 201 Writing for Media	3 cr
MDIA 203 Video Production	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

MDIA 321 Film Theory and Criticism	3 cr
MDIA Elective	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

MDIA Theory/History/Analysis	3 cr
MDIA Production	3 cr
MDIA Production	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

MDIA Theory/History/Analysis	3 cr
MDIA Elective	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

MDIA Production	3 cr
MDIA Theory/History/Analysis	3 cr
Elective or Internship	3 cr
Elective or Internship	3 cr
Elective or Internship	<u>3 cr</u>
	15 cr

SPRING

MDIA 480 Capping	3 cr
MDIA Production	3 cr
Elective or Internship	3 cr
Elective or Internship	3 cr
Elective or Internship	<u>2 cr</u>
	14 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN MEDIA STUDIES AND PRODUCTION: INTERACTIVE MEDIA AND GAME DESIGN CONCENTRATION

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
MDIA 103 Digital Toolbox	3 cr
MDIA 120 Art of Film	<u>3 cr</u>
	16 cr

SPRING

MDIA 102 Introduction to Media Studies	3 cr
MDIA 110 Introduction to Design	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

MDIA 201 Writing for Media	3 cr
MDIA 210 Interactive Media I	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

MDIA 310 Interactive Media II	3 cr
MDIA Production	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

MDIA 311 Media Theory and Methods	3 cr
MDIA Production	3 cr
MDIA Production	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

MDIA Theory/History/Analysis	3 cr
MDIA Elective	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

MDIA Production	3 cr
MDIA Theory/History/Analysis	3 cr
Elective or Internship	3 cr
Elective or Internship	3 cr
Elective or Internship	<u>3 cr</u>
	15 cr

SPRING

MDIA 480 Capping	3 cr
MDIA Elective	3 cr
Elective or Internship	3 cr
Elective or Internship	3 cr
Elective or Internship	<u>2 cr</u>
	14 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN MEDIA STUDIES AND PRODUCTION: DOUBLE CONCENTRATION IN FILM & TELEVISION AND INTERACTIVE MEDIA & GAME DESIGN

FRESHMAN YEAR**FALL**

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
MDIA 103 Digital Toolbox	3 cr
MDIA 120 Art of Film (Core/LS)	<u>3 cr</u>
	16 cr

SPRING

MDIA 102 Introduction to Media Studies	3 cr
MDIA 110 Introduction to Design	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR**FALL**

MDIA 201 Writing for Media	3 cr
MDIA 203 Video Production	3 cr
MDIA 210 Interactive Media I	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

MDIA 321 Film Theory and Criticism	3 cr
MDIA 310 Interactive Media II	3 cr
MDIA Theory/History/Analysis*	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR**FALL**

MDIA 311 Media Theory and Methods	3 cr
MDIA 302 Editing	3 cr
MDIA 304 Audio Production	3 cr
MDIA Theory/History/Analysis*	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

MDIA Theory/History/Analysis*	3 cr
MDIA Theory/History/Analysis*	3 cr
Elective	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

MDIA Production**	3 cr
MDIA Theory/History/Analysis*	3 cr
Elective or Internship	3 cr
Elective or Internship	3 cr
Elective or Internship	<u>3 cr</u>
	15 cr

SPRING

MDIA 480 Capping	3 cr
MDIA Production**	3 cr
MDIA Production**	3 cr
Elective or Internship	3 cr
Elective or Internship	<u>2 cr</u>
	14 cr

* Three courses from Film & Television and two from Interactive Media & Game Design

** Two courses from Film & Television and one from Interactive Media & Game Design

MEDICAL TECHNOLOGY

TERRANCE PASKELL, M.A., M.L.S., (ASCP) CM, *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 regional 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 affiliated medical laboratories 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, while under the direction and supervision of Marist College faculty. The Marist program is formally affiliated with eight medical centers: MidHudson Regional Hospital of Westchester Medical Center, Poughkeepsie, NY; Vassar Brothers Medical Center, Poughkeepsie, NY; the Veterans Affairs Hudson Valley Health Care System, Castle Point, NY; Health Alliance of Westchester Medical Center Health Network, Mary's Ave. and Broadway campuses in Kingston, NY; St. Luke's Cornwall Hospital, Newburgh, NY; Columbia Memorial Hospital, Hudson, NY; Sharon Hospital, Sharon, CT; and Memorial Sloan Kettering Cancer Center (MSKCC), New York, NY. All of these facilities are located within commuting distance of the College (except MSKCC, a voluntary rotation site) 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 70 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.

* National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Rd., Suite 720, Rosemont, Illinois 60018-5119, Phone: (847) 939-3597 or (773) 714-8880, web page: <http://www.naacls.org>

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 350 Clinical Foundations in Medical Laboratory Sciences	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)	<u>3 cr</u>
	Credit Requirement in Medical Technology	42 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 111 & 115 General Chemistry I and Lab	4 cr
	CHEM 112 & 116 General Chemistry II and Lab	4 cr
	CHEM 201 Principles of Organic Chemistry OR	
	CHEM 211 Organic Chemistry I AND	
	CHEM 212 Organic Chemistry II	3-6 cr
	MATH 130 Introductory Statistics I	3 cr
	CMPT 103 Technology for the 21st Century	3 cr
	Credit Requirement in Related Fields	<u>36-39 cr</u>
	Total Credit Requirement for a Major in Medical Technology	78-81 cr
3.0	Core/Liberal Studies Requirements	

3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies*	3 cr	(major must take Ethics)
	(NYS Office of Professions requires that Medical Technology students take Ethics)		
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	0 cr	(fulfilled by major field req.)
	Natural Science	0 cr	(fulfilled by major field req.)
	Social Science	<u>3 cr</u>	18 cr
	Pathway*		12 cr
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			37 cr
4.0	Electives		<u>2-5 cr</u>
	Recommended Elective Courses:		
	BIOL 201 Human Anatomy and Physiology I	4 cr	
	BIOL 202 Human Anatomy and Physiology II	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 201 College Physics I	3 cr	
	PHYS 202 College 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

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A MEDICAL TECHNOLOGY MAJOR

FRESHMAN YEAR

FALL

BIOL 130 General Biology I	4 cr
FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
Core/LS	3 cr
	<u>14 cr</u>

SPRING

BIOL 131 General Biology II	4 cr
CMPT 103 Technology for 21st Century	3 cr
PHIL 101 Philosophical Perspectives	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	16 cr

SOPHOMORE YEAR

FALL

MEDT 260 Methods in Med Tech	4 cr
CHEM 111 General Chemistry I	3 cr
CHEM 115 General Chemistry Lab I	1 cr
MATH 130 Intro to Statistics	3 cr
Core/LS	3 cr
	<u>14 cr</u>

SPRING

CHEM 112 General Chemistry II	3 cr
CHEM 116 General Chemistry Lab II	1 cr
BIOL 315 Immunology	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	16 cr

JUNIOR YEAR**FALL**

CHEM 201 Intro to Organic Chem	3 cr
BIOL 312 Microbiology	4 cr
Core/LS	3 cr
Core/LS	3 cr

13 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	<u>1 cr</u>

17 cr

SENIOR YEAR**SUMMER**

MEDT 350 Clinical Found. Med. Lab. Sciences	1 cr
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SUMMER/FALL

**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	<u>1 cr</u>

17 cr

SPRING

BIOL 421 Parasitology	4 cr
MEDT 477 Topics in Medical Technology (Capping)	3 cr
Core/LS	3 cr
Elective	3 cr

13 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. The New York State Department of Education does not recognize certification in only one area for licensure.

Medical Technology Discipline Course Requirements for the Structured Programs**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 for all 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 also will 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.

MEDIEVAL AND RENAISSANCE STUDIES MINOR

JANINE LARMON PETERSON, Ph.D., *Coordinator*

Medieval and Renaissance Studies is an interdisciplinary program that offers students the ability to study the culture, history, literature, music, philosophy, politics, and religious traditions of the Middle Ages and Renaissance. Students choose five electives from at least three different fields: English, Fine Arts (Art History and Music), History, Modern Languages and Cultures, and Philosophy & Religious Studies. Many of these courses also fulfill Core curriculum requirements. In addition students must fulfill a language requirement.

The minor is appropriate for students interested in investigating the antecedents of modernity; in identifying enduring cultural and philosophical issues, themes, and problems; and in comparing and contrasting past and contemporary society. The minor will also prepare those students interested in graduate work in these fields, and to this end the acquisition of a foreign language at the intermediate level is required. The integration of study abroad into coursework is strongly encouraged.

REQUIREMENTS FOR A MINOR IN MEDIEVAL AND RENAISSANCE STUDIES

All students must take a minimum of five courses distributed throughout at least three of the following fields: English, Fine Arts (Art History and Music), History, Modern Languages and Cultures, and Philosophy & Religious Studies. The minor also requires students to take one intermediate language class in Italian, Spanish, or French, or any language course in German, Latin or Arabic. All courses in the minor must be completed with a C or better. Study abroad is strongly encouraged.

1.0. Required Courses 3 cr

Students must take one of the following courses:

- ARAB 101 Elementary Arabic I
- ARAB 102 Elementary Arabic II
- ARAB 105 Intermediate Arabic I
- ARAB 106 Intermediate Arabic II
- FREN 105 Intermediate French I
- FREN 106 Intermediate French II
- GERM 101 Elementary German I
- GERM 102 Elementary German II
- GERM 105 Intermediate German I
- GERM 106 Intermediate German II
- ITAL 105 Intermediate Italian I
- ITAL 106 Intermediate Italian II
- LAT 101 Elementary Latin I
- LAT 102 Elementary Latin II
- SPAN 105 Intermediate Spanish I
- SPAN 106 Intermediate Spanish II

2.0 Elective Courses 15 cr

Students must take five electives from the following courses distributed throughout at least three fields:

- ART 160 History of Western Art I
- ART 224 17th Century Art
- ART 230 Greek & Roman Art
- ART 245 Medieval Art
- ART 281 History of Costume
- ART 380 Renaissance Art
- ENG 212 English Lit I
- ENG 221 Themes in Shakespeare
- ENG 270 Classics of Western Lit
- ENG 301 History of the English Language
- ENG 320 English Drama I
- ENG 324 Chaucer
- ENG 325 Shakespeare
- ENG 329 17th Century Lit
- ENG 330 Medieval Lit
- ENG 331 Renaissance Lit
- ENG 361 Ancient Roman and Early Christian Lit
- FREN 250 French Culture & Thought
- HIST 247 Ancient Rome
- HIST 248 Medieval Europe
- HIST 249 Early Modern Europe
- HIST 255 Catholic Church in Modern Times
- HIST 314 History of Witchcraft and Sorcery
- ITAL 250 Civilization of Italy
- SPAN 150 Civilization of Spain
- SPAN 250 Cultures of Spain
- SPAN 420 Medieval Spanish Lit

SPAN 424 Cervantes
 SPAN 425 Literature of the Golden Age
 MUS 340 Baroque Masters
 MUS 344 Medieval and Renaissance Music
 PHIL 210 Ancient Philosophy
 PHIL 211 Modern Philosophy
 PHIL 321 Medieval Philosophy
 REST 203 Christianity
 REST 204 Judaism
 REST 243 Catholic Thought and Spirituality

Total Credit Requirement for a Minor in Medieval and Renaissance Studies

18 cr

MUSIC

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 Time-Check (*male 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: 3 cr

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 3 cr

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: 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 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

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 Flute Choir
 MUS 233 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

ANNAMARIA MACIOCIA, 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 (Non-degree holders admitted to the program)	36 cr
	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.	

PHILOSOPHY

GEORGANNA ULARY, 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 (Philosophical Perspectives, and Ethics) 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 Course	3 cr
	PHIL 101 Philosophical Perspectives	
1.2	Logic	
	One course from:	3 cr

	PHIL 203 Introduction to Logic		
	PHIL 310 Symbolic Logic		
1.3	Ethics		
	PHIL 200 Ethics	3 cr	
1.4	History of Philosophy	9 cr	
	Three courses from:		
	PHIL 213 Foundations of American Social Thought		
	PHIL 240 Pragmatism		
	PHIL 242 Existentialism		
	PHIL 210 Ancient Philosophy		
	PHIL 321 Medieval Philosophy		
	PHIL 211 Modern Philosophy		
	PHIL 323 19th Century Philosophy		
	PHIL 324 Contemporary Analytic Philosophy		
	PHIL 325 Contemporary Continental Philosophy		
	PHIL 340 Marx and Marxism		
	PHIL 392, 393, 394 Special Topics in History of Philosophy		
1.5	Topics in Philosophy	12 cr	
	Four courses* from:		
	PHIL 233 Philosophy of Education		
	PHIL 235 Philosophy and Technology		
	PHIL 237 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 234 Social & Political Philosophy		
	PHIL 345 Philosophy of Mind		
	PHIL 392, 393, 394 Special Topics in Philosophical Genres		
1.6	Capping Course		
	PHIL 477 Capping	<u>3 cr</u>	
Total Credit Requirement in Philosophy			33 cr
2.0	REQUIRED COURSE IN RELATED FIELD		
	CMPT 103 Technology for the 21st Century	<u>3 cr</u>	
Total Credit Requirement in Related Fields			<u>3 cr</u>
Total Credit Requirement for a Major in Philosophy			36 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	0 cr	(fulfilled by major field req.)
	Ethics, Applied Ethics, or Religious Studies	0 cr	(fulfilled by major field req.)
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	3 cr	
	Natural Science	3 cr	
	Social Science	<u>3 cr</u>	
			18 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		

Total Core/Liberal Studies Requirement	37 cr
4.0 Electives	<u>47 cr</u>
Total Credit Requirement for Graduation	120

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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 Course 3 cr
 PHIL 101 Philosophical Perspectives

1.2 Logic 3 cr
 One course from:
 PHIL 203 Introduction to Logic
 PHIL 310 Symbolic Logic

1.3 Ethics 3 cr
 PHIL 200 Ethics

1.4 History of Philosophy 9 cr
 Three courses from:
 PHIL 240 Pragmatism
 PHIL 242 Existentialism
 PHIL 210 Ancient Philosophy
 PHIL 321 Medieval Philosophy
 PHIL 211 Modern Philosophy
 PHIL 323 19th Century Philosophy
 PHIL 324 Contemporary Analytic Philosophy
 PHIL 325 Contemporary Continental Philosophy
 PHIL 340 Marx and Marxism
 PHIL 213 Foundations of American Social Thought
 PHIL 392, 393, 394 Special Topics in History of Philosophy

1.5 Religious Studies 12 cr
 Required courses:
 REST 209 World Religions
 REST 207 Introduction to Religion
 Two courses from:
 PHIL 331 Philosophy of Religion
 Any other courses drawn from Religious Studies offerings or approved by REST faculty
 PHIL 392, 393, 394 Special Topics in Philosophical Genres

1.6 Capping Course 3 cr
 PHIL 477 Capping

Total Credit Requirement in Philosophy and Religious Studies 33 cr

2.0 REQUIRED COURSE IN RELATED FIELD 3 cr
 CMPT 103 Technology for the 21st Century

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			
	FYS 101 First Year Seminar		4 cr	
	ENG 120 Writing for College		<u>3 cr</u>	7 cr
3.2	DISTRIBUTION			
	Breadth			
	PHIL 101 Philosophical Perspectives		0 cr	(fulfilled by major field req.)
	Ethics, Applied Ethics, or Religious Studies		0 cr	(fulfilled by major field req.)
	Fine Arts		3 cr	
	History		3 cr	
	Literature		3 cr	
	Mathematics		3 cr	
	Natural Science		3 cr	
	Social Science		<u>3 cr</u>	18 cr
	Pathway*			<u>12 cr</u>
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				37 cr
4.0	Electives			47 cr
Total Credit Requirement for Graduation				120

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN PHILOSOPHY

FRESHMAN YEAR

FALL		SPRING	
PHIL 101 Philosophical Perspectives	3 cr	Logic course	3 cr
FYS 101 First Year Seminar	4 cr	CMPT 103 Technology for 21st Century	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	<u>3 cr</u>	Core/LS	<u>3 cr</u>
	16 cr		15 cr

SOPHOMORE YEAR

FALL		SPRING	
History of Philosophy Course	3 cr	History of Philosophy Course	3 cr
Topics in Philosophy Course	3 cr	Topics in Philosophy Course	3 cr
Core/LS	3 cr	Ethics course – Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	<u>3 cr</u>	Core/LS	<u>3 cr</u>
	15 cr		15 cr

JUNIOR YEAR

FALL		SPRING	
Topics in Philosophy Course	3 cr	Topics In Philosophy Course	3 cr
History of Philosophy Course	3 cr	Elective in LAS	3 cr
Elective in LAS	3 cr	Elective in LAS	3 cr
Elective	3 cr	Elective	3 cr
Elective	<u>3 cr</u>	Elective	<u>3 cr</u>
	15 cr		15 cr

SENIOR YEAR

FALL		SPRING	
PHIL 477 Capping	3 cr	Elective in LAS	3 cr
Elective in LAS	3 cr	Elective in LAS	3 cr
Elective in LAS	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	<u>3 cr</u>	Elective	<u>3 cr</u>
	15 cr		15 cr

REQUIREMENTS FOR A MINOR IN PHILOSOPHY

PHIL 101 Philosophical Perspectives	3 cr
PHIL 200-level Ethics	3 cr

Two History of Philosophy Courses:	6 cr
PHIL 240 Pragmatism	
PHIL 210 Ancient Philosophy	
PHIL 321 Medieval Philosophy	
PHIL 211 Modern Philosophy	
PHIL 323 19th Century Philosophy	
PHIL 324 Contemporary Analytic Philosophy	
PHIL 325 Contemporary Continental Philosophy	
PHIL 213 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.

PHYSICAL EDUCATION

TIMOTHY MURRAY, M.A., *Director of Physical Education*

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:

<http://www.emsc.nysed.gov/ciai/pe/pub/app.html>

<http://www.highered.nysed.gov/tcert/certificate/coachinglic.htm>

POLITICAL SCIENCE

JOANNE MYERS, Ph.D, *Chairperson*

MISSION:

The Political Science Department at Marist College sees its mission as one of enabling students to make sense of the political world and issues they are inheriting, instilling in them an interest in politics, political systems and institutions on all levels, in short, in political life and giving them the tools so they might enable the world to be a better place. We do so by offering a foundation in the four discipline subfields of political science – American government, political theory, comparative politics and international relations. The major is designed with flexibility so that students can develop their own interests in at least two subfields as they grow as scholars.

Our goal is to assist and mentor students so they are able to think analytically and critically about political problems, both historical and contemporary, issues and ethical dilemmas. Students learn to read primary texts; collect, analyze and interpret data (especially utilizing the resources at the Marist Institute for Public Opinion (MIPO)), distinguish facts that are pertinent to their elegant arguments and communicate – both written and orally, effectively and persuasively. By grappling with the great issues of our time and of the past, the faculty guide students to appreciate the dynamic interplay of theory, methodology and practice in understanding the political world.

We are committed to helping our students become skilled and proficient communicators. We all recognize that learning to write well is important in the field of political science. To this end, we all emphasize not only the quantity and variety of writing assignments, but the quality of the finished work. Likewise, we also emphasize the ability to craft a good solid argument both orally and in writing. While the classroom is at the heart of the liberal arts education, we also recognize that learning is not limited to the time in class or within the walls of the classroom itself. One of the department's goals is to turn the entire world into our classroom by taking advantage of the unique opportunities we have at Marist and beyond, including The Marist Institute For Public Opinion (Marist Institute), the FDR Presidential Library, town meetings, academic conferences, the Model United Nations, internships, the Albany Semester, the Washington Semester, Marist Abroad, Pre-law and the American Bar Association approved Paralegal programs. Consistent with the mission of Marist, Political Science challenges students to confront the perennial values and issues involved in politics. The department aims to prepare students for responsible citizenship in our changing world, and to assist students in developing lifelong learning skills and a broad grounding in a liberal arts education. Our students should be well prepared for graduate or law school, the workplace – including public service, non-profits, the media, and corporations – and in the communities in which they reside.

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	
	POSC 110 American National Government	3 cr
	POSC 111 Intro Comparative Politics	3 cr
	POSC 112 Intro Political Theory	3 cr
	POSC 113 International Relations	3 cr
	POSC 235 Scope & Methods for Political Analysis	4 cr
	One 200-Level Political Theory Course from:	3 cr
	POSC 218 American Political Theory	
	POSC 232 Classical Political Thought	
	POSC 233 Modern Political Thought	
	One 200-Level Global Politics Course from:	3 cr
	POSC 213 Politics of Human Rights	
	POSC 236 Politics of Developing Areas	
	POSC 251 European Politics	
	POSC 252 Comparative Politics of Eastern Europe/Russia	
	POSC 271 Nationalism and Communism in China and Taiwan	
	POSC 280 Model United Nations	
	POSC 290 International Law and Organization	
	POSC 325 International Political Economy	
	One 200-Level American Politics Course from:	3 cr
	POSC 202 Environmental Politics & Policy	
	POSC 210 US Constitutional Law	
	POSC 211 American State & Local Politics	
	POSC 212 Citizens and Political Organizations	
	POSC 214 Gender & the Law	
	POSC 240 Introduction to Public Policy	
	POSC 289 Public Opinion & Politics	
	300-Level Course Requirement:	6 cr
	Students must take two 300-level courses, one in each of two subfields – American Politics, Political Theory, Global Politics:	
	American Politics:	
	POSC 300 US Constitutional Law: Civil Rights & Liberties	
	POSC 302 Political Social Movements	
	POSC 304 Public Administration	
	POSC 312 History of the American Presidency	
	POSC 322 Policy Implementation	
	POSC 338 Political Communication & Politics	
	POSC 342 Survey Research & Data Analysis	
	POSC 360 Congress Today	
	POSC 303 Politics of Prejudice	
	Political Theory:	
	POSC 310 Race & Political Thought	
	POSC 320 Feminist Political Thought	
	POSC 321 Contemporary Political Theory	
	POSC 340 Marx and Marxism	
	Global Politics:	
	POSC 325 International Political Economy	
	POSC 350 Latin American Politics	
	POSC 351 African Politics	
	POSC 355 Comparative Politics of the Middle East	
	Political Science Electives	15 cr
	No more than 6 credits can come from:	
	POSC 102, 103, 105, 217, 221, 266, 285	
	No more than 6 internship credits can be used.	
	POSC 477 Capping: Law & Morality	<u>3 cr</u>
		49 cr

2.0	Related Fields			
	CMPT 103 Technology for 21st Century OR			
	ENSC 230 Intro to GIS		<u>3cr</u>	
Total Credit Requirement for a Major in Political Science				52 cr
3.0	Core/Liberal Studies Requirements			
3.1	FOUNDATION			
	FYS 101 First Year Seminar	4 cr		
	ENG 120 Writing for College	3 cr		
			7 cr	
3.2	DISTRIBUTION			
	Breadth			
	PHIL 101 Philosophical Perspectives	3 cr		
	Ethics, Applied Ethics, or Religious Studies	3 cr		
	Fine Arts	3 cr		
	History	3 cr		
	Literature	3 cr		
	Mathematics	3 cr		
	Natural Science	3 cr		
	Social Science	<u>0 cr</u>	(fulfilled by major field req.)	
			21 cr	
	Pathway*		<u>12 cr</u>	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives		<u>28 cr</u>	
Total Credit Requirement for Graduation				120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

REQUIREMENTS FOR A MINOR IN POLITICAL SCIENCE

A minor in Political science is 21 credits. Students must take a 100-level course in two of the three major subfields (American Politics, Global Politics, and Political Theory). A student must take at least one 200-level course in two of the three subfields. The student must complete 9 elective credits, and a minimum of 3 credits must be at the 300-level or higher. No more than one of those courses may come from the restricted course list in the elective requirements section.

One course at the 100-level from two of the following subfields:	6 cr
Political Theory:	
POSC 112 Introduction to Political Theory	
Global Politics:	
POSC 111 Introduction to Comparative Politics	
POSC 113 International Relations	
American Politics:	
POSC 110 American National Government	
One course from two of the following subfields:	6 cr
Political Theory:	
POSC 218 American Political Theory	
POSC 232 Classical Political Thought	
POSC 233 Modern Political Thought	
Global Politics:	
POSC 213 Politics of Human Rights	
POSC 236 Politics of Developing Areas	
POSC 251 European Politics	
POSC 252 Comparative Politics of Eastern Europe/Russia	
POSC 271 Nationalism and Communism in China and Taiwan	
POSC 280 Model United Nations	

POSC 290 International Law and Organization
POSC 325 International Political Economy

American Politics:

POSC 202 Environmental Politics & Policy
POSC 210 US Constitutional Law
POSC 211 American State & Local Politics
POSC 212 Citizens and Political Organizations
POSC 214 Gender & the Law
POSC 240 Introduction to Public Policy
POSC 289 Public Opinion & Politics

Three Elective Courses in Political Science 9 cr
(one course must be at the 300 level)

Total Credit Requirements for the Minor 21 cr

OPTIONS FOR POLITICAL SCIENCE MAJORS

Marist Abroad Program – contact Director
Legislative Internship – see Political Science Internship Coordinator
Paralegal Certificate Program – see page 175
Participation in Marist Poll – see page 179
Public Administration Concentration – see page 188
Teacher Education Program – see page 103
Participation in Washington or Albany Semester Program – see Political Science Internship Coordinator
Political Science Internships – see Political Science Internship Coordinator
Public Opinion Concentration – see page 189

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN POLITICAL SCIENCE

(Public-Affairs Track: Consult with Advisors for International Track)

FRESHMAN YEAR

FALL

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
POSC 110 American National Government	3 cr
POSC 113 International Relations	<u>3 cr</u>
	16 cr

SPRING

Core/LS History	3 cr
Core/LS Literature	3 cr
POSC 111 Intro Comparative Politics	3 cr
POSC 112 Intro Political Theory	3 cr
CMPT 103 Technology 21st Century	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

POSC 200 Level (American Politics)	3 cr
POSC 200 Level (Global Politics)	3 cr
Core/LS Math	3 cr
Core/LS Fine Arts	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

POSC 200 Level (Political Theory)	3 cr
POSC 235 Scope & Methods Political Analysis	4 cr
Core/LS Science	3 cr
Core/LS Ethics	3 cr
Core/LS	<u>3 cr</u>
	16 cr

JUNIOR YEAR

FALL

POSC 300 Level	3 cr
POSC Elective	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

POSC 300 Level	3 cr
POSC Elective	3 cr
Core/LS	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

POSC 477 Capping: Law & Morality	3 cr
POSC Elective	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

POSC Elective	3 cr
POSC Elective	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>1 cr</u>
	13 cr

PROFESSIONAL STUDIES

DANIEL A. SZPIRO, Ph.D., *Dean*

JOEL T. BALDOMIR, Ph.D., *Faculty Director*

MISSION:

Recognizing that curricula designed for traditional college students do not always meet the educational needs of adult learners, Marist offers a Bachelor's degree program especially for adult learners. The Professional Studies major provides the flexibility to tailor an education that meets an adult's personal and professional objectives while earning either a Bachelor of Arts or Bachelor of Science degree..

A Bachelor's degree with the Professional Studies major has three main components: the major credit component, the core credit component, and the elective credit component.

The Major credit component requires a minimum of 45 credits. Of these 45 credits, a maximum of 15 credits can be transferred in from another college. Note: remaining transfer credits can be applied to the core and elective credit components following general college guidelines. Earning a Bachelor's degree with a Professional Studies major allows students the flexibility, with faculty advisement, to design their major credit component. The major credit component can be broken down into 2 or 3 areas of study. Some common areas of study within the Professional Studies major are (but not limited to) the following:

- Paralegal Certificate
- Leadership
- Psychology
- Organizational Administration
- Professional Studies
- Communication

Students can choose courses from the many additional areas of study offered by Marist and design a unique program based on their own previous experience and personal and professional goals.

The Core credit component is comprised of a six-course sequence drawn from various fields of study. These interdisciplinary courses fulfill the general education/core curriculum distribution required in traditional majors. The sequence begins with an initial course that requires students to develop an individualized program of study that takes into account their past educational experiences and their future goals. Subsequent courses focus on integrating learning from various disciplines. The final course in the sequence is the Capping Experience seminar where students apply knowledge from their major in a final project that allows them to consider a significant contemporary issue from an interdisciplinary perspective.

The School of Professional Programs also offers a cohort-based accelerated program as part of the Professional Studies major. This program includes two predefined areas of study: 1 – Organizational Leadership and 2 – Communication. Students then need only choose a third area of study. The Organizational Leadership and Communication (OLC) program is open to students who have completed approximately two years of college-level work and meet transfer admission requirements. Students in this program have the opportunity to complete their undergraduate degree in as little as two years via an intensive, year-round, six-week course format that consists of one in-person class meeting each week, and additional learning activities conducted online using the iLearn course delivery platform.

A fully online option is also available for those wishing to major in Professional Studies. Online semesters are accelerated, comprised of two, 8-week terms. Students have the ability to attend full-time by taking two courses per online term.

PROFESSIONAL STUDIES MAJOR

REQUIREMENTS FOR A BACHELOR'S DEGREE IN THE PROFESSIONAL STUDIES MAJOR

1.0 Professional Studies Major Credit Component 45 cr

A minimum of forty-five (45) credits must be selected from a minimum of two different academic areas of study. If a student chooses 3 areas of study, each area must have a minimum of 12 credits in each area of study. If a student chooses 2 areas of study, then a minimum of 21 credits in one area of study and 24 in the other are required. Preferably, a student will select courses from two or three different areas, following a sequence of increasing depth and sophistication in each area. Of the total 45 credits, at least 21 of those credits must be upper-level courses, usually designated as 300-400 level courses, taken at Marist.

1.1 Transfer Credits applicable to areas of study.

Up to 15 of the 45 major credits may be transferred from another institution (the remaining 30 credits in the major component must be completed at Marist). Additional transfer credits can be applied to the elective credit component following general institutional guidelines.

2.0 Professional Studies Major Core Credit Component

Interdisciplinary 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
Three additional liberal arts and science courses	<u>9 cr</u>

27 cr

2.1 Writing Skills Requirements (part of the Core Component) 3 cr

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 120;
- 2.) By transferring into the College a course equivalent to ENG 120;

3.) Satisfactory results of College Level Examination Program (CLEP) exam, minimum score determined by the College.

3.0 Electives

45 cr

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 Professional 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

Advisement:

Once an accepted student notifies Enrollment Services they intend to enroll, the student is contacted by an academic advisor in the School of Professional Programs. The advisor assists the student in developing a degree plan and enrolls the student for their first semester courses. All students pursuing the BA/BS Professional Studies major must successfully complete INTD 105L: Perspectives on Education. This course provides the context within which students will solidify their Degree Plans and write a Study Plan Rationale. Every student is assigned a designated academic advisor to assist with course selection for every subsequent semester.

Degree Plans may be revised and reassessed at any point; any course change must be approved by the Assistant Dean for the School of Professional Programs.

PSYCHOLOGY

C. RYAN KINLAW, Ph.D., *Chairperson*

MISSION:

The psychology major at Marist provides a rich and rewarding educational experience within a strong liberal arts tradition. Psychology courses explore psychological theory as well as the application of psychological principles. The range of application varies from experiences in psychological research courses, where students actually conduct research, to developmental 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 supported by field/service learning experiences that are available in the junior/senior year in a local human-service agency, school, or research setting. This undergraduate preparation as a psychology major is valuable not only for students who choose advanced graduate study in psychology, but also as preparation for elementary/special education teacher training programs as well as a wide array of positions generally included under the fields of business management and communication or the pursuit of advanced degrees in other areas such as law or medicine.

Teaching Certification in Childhood Education/Students with Disabilities 1–6

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 Criminal Justice and Psychology. Students who are interested in working with victims of crime and or individuals who become involved in the criminal justice system may want to consider this option. For example, a possible career path might include working in a correctional facility and providing treatment counseling, which will require graduate work. To pursue this option, students should contact the Chair of either Criminal Justice or Psychology.

REQUIREMENTS FOR A BACHELOR OF ARTS IN PSYCHOLOGY

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

1.0	Foundation Courses Specific to the Psychology Major		
	PSYC 101 Intro to Psychology	3 cr	
	PSYC 350 Psyc Research Methodology AND Lab I	4 cr	
	PSYC 351 Psyc Research Methodology AND Lab II	4 cr	
	PSYC 478 Capping Course	<u>3 cr</u>	
			14 cr
1.1	Breadth of Psychology Major Requirements	16 cr	
	Students must complete 16 credits by choosing 5 courses from no less than 4 of the following 5 categories; one must be a 4-credit lab course:		16 cr
	Developmental Psychology (PSYC 317, 318, 321, 323)		
	Biological Psychology (PSYC 206, 210, 211, 301-305)		
	Sociocultural Psychology (PSYC 215, 220, 222, 315, 330, 331, 340, 385)		
	Learning and Cognition (PSYC 306, 342, 343)		
	Clinical, Counseling and School Psychology (PSYC 201, 202, 203, 207, 208, 311, 332, 348, 362, 372)		

1.2	Life after Marist, Personalize your Major Students must complete an additional 6 credits in the major. These credits may be any combination of the following: Field work (PSYC 487 and PSYC 488) and/or Independent research (PSYC 485) and/or Psychology electives beyond the 16 required for breadth of discipline. Students should consult their academic advisors to determine which plan best suits their career aspirations (e.g., graduate school plans).	6 cr	6 cr
2.0	Course Requirements in Related Fields (Should be completed freshman year) CMPT 103 Technology for the 21st Century MATH 130 Intro to Statistics	3 cr <u>3 cr</u>	<u>6 cr</u>
Total Credit Requirement for a Major in Psychology			42 cr

3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION FYS 101 First Year Seminar ENG 120 Writing for College	4 cr <u>3 cr</u>	7 cr
3.2	DISTRIBUTION Breadth PHIL 101 Philosophical Perspectives Ethics, Applied Ethics, or Religious Studies Fine Arts History Literature Mathematics Natural Science Social Science	3 cr 3 cr 3 cr 3 cr 3 cr 0 cr 3 cr <u>0 cr</u>	(fulfilled by major field req.) (fulfilled by major field req.)
	Pathway* Courses addressing an interdisciplinary topic.		<u>12 cr</u>
Total Core/Liberal Studies Requirement			37 cr
4.0	Electives		<u>41 cr</u>
Total Credit Requirement for Graduation			120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Core Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR PSYCHOLOGY MAJORS

FRESHMAN YEAR

FALL

PSYC 101 Introduction to Psychology	3 cr
PHIL 101 Philosophical Perspectives	3 cr
FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
	<u>13 cr</u>

SPRING

MATH 130 Intro to Statistics	3 cr
CMPT 103 Technology for 21st Century	3 cr
Psychology Elective	3 cr
Core/LS Breadth	3 cr
Core/LS Breadth	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

PSYC 350 Psychology Research Methodology & Lab I	4 cr
Psychology Elective	3 cr
Core/LS Pathway	3 cr
Core/LS Breadth	3 cr
Elective	<u>3 cr</u>
	16 cr

SPRING

PSYC 351 Psychology Research Methodology & Lab II	4 cr
Psychology Elective	3 cr
Core/LS Pathway	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	16 cr

JUNIOR YEAR**FALL**

PSYC 301 or 302 or 303 or 304 or 305 or 306	4 cr
Elective	2 cr
Psychology Elective	3 cr
Core/LS Breadth	3 cr
Core/LS Pathway	<u>3 cr</u>
	15 cr

SPRING

Core/LS Breadth	3 cr
Elective	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

Note: Either semester junior year would be a good time to travel abroad.

SENIOR YEAR**FALL**

PSYC 487, 488, 485 or Psych Elective	3 cr
Core/LS Pathway	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

PSYC 487, 488, 485 or Psych Elective	3 cr
PSYC 478	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

RECOMMENDED PROGRAM SEQUENCE FOR DUAL MAJOR IN CRIMINAL JUSTICE/ PSYCHOLOGY MAJORS

FRESHMAN YEAR**FALL**

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
PSYC 101 Intro to Psych (Core/LS Breadth)	3 cr
CRJU 101 Introduction to CRJU	3 cr
	<u>16 cr</u>

SPRING

MATH 130 (Core L/S - Breadth)	3 cr
CMPT 103 Technology for 21st Century	3 cr
PSYC Elective	3 cr
CRJU 235 Corrections and Penology	3 cr
Core/LS Breadth	3 cr
	<u>15 cr</u>

SOPHOMORE YEAR**FALL**

PSYC 350 Research Methods I	4 cr
CRJU 201 Criminology	3 cr
CRJU 230 Policing	3 cr
Core L/S – Breadth	3 cr
Core L/S – Pathway	<u>3 cr</u>
	16 cr

SPRING

PSYC 351 Research Methods II	4 cr
CRJU 305 Juvenile Justice & Delinquency	3 cr
PSYC Elective	3 cr
Core L/S – Breadth	3 cr
Elective	<u>3 cr</u>
	16 cr

JUNIOR YEAR**FALL**

CRJU 302 Courts	3 cr
CRJU 306 Criminal Law & Procedure I	3 cr
Elective	3 cr
Core L/S – Breadth	3 cr
PSYC 301, 302, 303, 304, 305, or 306	<u>4 cr</u>
	16 cr

SPRING

PSYC Elective	3 cr
Core L/S – Pathway	3 cr
Core L/S – Pathway	3 cr
Elective	3 cr
	<u>12 cr</u>

SENIOR YEAR**FALL**

PSYC 478 Capping	3 cr
PSYC 487 Field Work	3 cr
CRJU Elective	3 cr
CRJU 314 or CRJU 440	3 cr
Core L/S – Breadth	<u>3 cr</u>
	15 cr

SPRING

CRJU 477 Senior Seminar Capping	3 cr
CRJU 496 Intern I	3 cr
Elective	3 cr
Elective	3 cr
Core L/S – Pathway	<u>3 cr</u>
	15 cr

REQUIREMENTS FOR A MINOR IN PSYCHOLOGY

PSYC 101 Intro to Psychology	<u>3 cr</u>
Any five additional PSYC courses selected from no less than three of the following five elective categories:	15 cr
Developmental (PSYC 317, 318, 321, 323)	
Biological Psychology (PSYC 206, 210, 211, 301-305)	
Sociocultural Psychology (PSYC 215, 220, 222, 315, 330, 331, 340, 385)	
Learning and Cognition (PSYC 306, 342, 343)	
Clinical, Counseling and School Psychology (PSYC 201, 202, 203, 207, 208, 311, 332, 348, 362, 372)	

Total Credit Requirement for a Minor in Psychology

18 cr

RELATED MINOR: COGNITIVE SCIENCE

Psychology majors often choose to minor in Cognitive Science. Some psychology courses can be applied to the minor. See Cognitive Science Minor.

RECOMMENDED PROGRAM SEQUENCE FOR PSYCHOLOGY MAJORS PURSUING DUAL CERTIFICATION

FRESHMAN YEAR (Same for Fall or Spring Student Teaching)

FALL

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr
EDUC 101 Foundations of Ed	3 cr
Core/LS	3 cr
	<hr/>
	16 cr

SPRING

PSYC 101 Intro to Psychology	3 cr
HIST 218 Hist & Cult Hudson Valley OR HIST 220 The Empire State	3 cr
MATH 130 Introduction to Statistics	3 cr
Core/LS	3 cr
Core/LS	3 cr
EDUC 091 Fieldwork In Ed	<u>0 cr</u>
	15 cr

OPTION I – FALL STUDENT TEACHING

SOPHOMORE YEAR

FALL

PSYC 207 Exceptional Child	3 cr
PSYC 208 Educational Psychology	3 cr
PSYC 317 Child Development	3 cr
EDUC 150 Learning Through Technology	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

EDUC 350 Teach of Lang Arts	3 cr
PSYC 350 Research Methods	4 cr
PSYC 362 Measurement & Evaluation	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	16 cr

JUNIOR YEAR

FALL

EDUC 351 Lit, Lrn & Art in Social Studies	3 cr
PSYC 301, 302, 303, 304, 305 (Choose One)	4 cr
PSYC 372 Psychoeducational Assessmt	3 cr
EDUC 373 Princ Tchg Stu w/Spec Needs	3 cr
EDUC 376 Behavior Management	3 cr
	<hr/>
	16 cr

SPRING

EDUC 352 Assess & Rem of Reading & Writ	3 cr
EDUC 241 Math Elem Teach/Methods	3 cr
EDUC 242 Science Elem Teach/Methods	3 cr
EDUC 374 Curric Stat Stud w/Spec Needs	3 cr
Core/LS, Elective or Abroad Attachment	3 cr
PSYC 479 PSYC Seminar	1 cr
EDUC 243 and EDUC 244 substitute for EDUC 241 and EDUC 242	<hr/>
	16 cr

SENIOR YEAR

FALL

EDUC 462 Student Teaching	12 cr
	<hr/>
	12 cr

SPRING

PSYC 478 Capping	3 cr
Core/LS or Elective (Ethics)	3 cr
Core/LS or Elective	3 cr
Core/LS or Elective	3 cr
Core/LS	<u>3 cr</u>
	15 cr

OPTION II – SPRING STUDENT TEACHING

SOPHOMORE YEAR

FALL

PSYC 207 Exceptional Child	3 cr
PSYC 208 Educational Psychology	3 cr
PSYC 317 Child Development	3 cr
EDUC 150 Learning Through Technology	3 cr
Core/LS	<u>3 cr</u>
	15 cr

SPRING

Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

EDUC 350 Teach of Lang Arts	3 cr
PSYC 350 Research Methods	4 cr
PSYC 362 Measurement & Evaluation	3 cr
PSYC 372 Psychoeducational Assessment	3 cr
Core/LS or Elective	<u>3 cr</u>
	16 cr

SPRING

EDUC 351 Lit, Lrn & Art in Social Studies	3 cr
EDUC 373 Princ Tchg Stu w/Spec Needs	3 cr
EDUC 376 Behavior Management	3 cr
PSYC 301, 302, 303, 304, 305 (Choose One)	4 cr
Core/LS or Elective	<u>3 cr</u>
	16 cr

SENIOR YEAR**FALL**

EDUC 352 Ass & Remed of Read/Writing	3 cr
EDUC 241 Math Elem Teach/Methods	3 cr
EDUC 242 Science for Elem Teaching	3 cr
EDUC 243 & 244 substitute for EDUC 241 & 242	
EDUC 374 Curric Strat Stu w/Spec Needs	3 cr
PSYC 478 Capping Course	3 cr
PSYC 479 Psych Seminar	<u>1 cr</u>
	16 cr

SPRING

EDUC 462 Student Teaching	12 cr
	<u> </u>
	12 cr

PUBLIC ADMINISTRATION CONCENTRATION

JOANNE MYERS, Ph.D., *Director*

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:

POSC 304 Public Administration	3 cr	
ECON 104 Principles of Macroecon OR		
ECON 103 Principles of Microecon	3 cr	
CMPT 103 Technology for the 21st Century	3 cr	
MATH 130 Intro to Statistics I	3 cr	
ECON 421 Public Finance	3 cr	
ACCT 451 Govt and Fiscal Control	3 cr	
BUS 100 Intro to Bus and Management	<u>3 cr</u>	
		21 cr

Additional Requirements:

POLITICAL SCIENCE MAJORS

As part of major field electives:

POSC 240 Intro to Public Policy	3 cr	
POSC 322 Policy Implementation	<u>3 cr</u>	
		<u>6 cr</u>

OTHER MAJORS

POSC 110 American Natl Govt OR		
POSC 211 American State & Local Politics	3 cr	
POSC 240 Intro to Public Policy OR		
POSC 322 Policy Implementation	<u>3 cr</u>	
		<u>6 cr</u>

Total Credit Requirements 27 cr

All other majors MUST check with the Program Director for additional course requirements.

PUBLIC HISTORY CONCENTRATION

STEVEN GARABEDIAN, Ph.D., *Director*

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	<u>6-12 cr</u>	
Total Requirement for a Concentration in Public History			18-21 cr
2.0	Recommended Course:		
	HIST 205 Introduction to Public History	3 cr	

PUBLIC OPINION 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

MATH 130 Intro to Statistics I	3 cr
POSC 110 American Nat'l Govt	3 cr
POSC 211 American State & Local Politics OR	
POSC 212 Political Parties and Pressure Groups	3 cr
POSC 338 Political Communication and Politics	3 cr
POSC 289 Public Opinion and Politics	3 cr
POSC 342 Survey Res and Political Data Analysis	3 cr
POSC 235 Scope and Methods of Political Analysis	4 cr

Total Credit Requirement for a Concentration in Public Opinion 22 cr

PUBLIC PRACTIS MINOR

MARTIN B. SHAFFER, Ph.D., *Coordinator*

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 200 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 & Local Politics	

POSC 240 Intro to Public Policy
 POSC 113 International Relations
 POSC 338 Political Communication and Politics
 POSC 236 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

Human Values and Choice

Two from the following:

6 cr

COM 203 Interpersonal Communication
 ENG 373 Literature of the Holocaust
 INTD 212 Self, Society, and Institution
 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

RELIGION

GEORGINNA ULARY, Ph.D., *Chairperson*
 ROSS ENOCHS, PH.D., *Coordinator*

MISSION:

The Religion Major is designed to equip students to pursue a variety of critical scholarly inquiries into the nature of religion and the relation of religious phenomena to other phenomena within a broader cultural setting. The Major will provide students with an introduction to the history, scriptures, rituals, doctrines, and ethics of ancient, Western and Eastern religions.

REQUIREMENTS FOR A BACHELOR OF ARTS IN RELIGION

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

- 1.0 Course Requirements in Religion
- 1.1 Foundation Courses
 - REST 107 Intro to Religion 3 cr
 - REST 201 Religion in America 3 cr
 - REST 209 World Religions 3 cr
- 1.2 Jewish and Christian Traditions
 - One course from: 3 cr
 - REST 203 Christianity
 - REST 204 Judaism
 - REST 243 Catholic Thought & Spirituality
- 1.3 Religions outside the Jewish and Christian Traditions
 - One course from: 3 cr
 - REST 215 Religions of India: Hinduism, Buddhism, and Islam
 - REST 216 Ancient Greek Religion
- 1.4 Religious Ethics
 - One 200-level course and one 300-level course from: 6 cr
 - REST 230 Religion and Politics
 - REST 231 Social Ethics and Economics
 - REST 244 Prisons, Praxis and Prisoners
 - REST 245 Jesus and Discipleship
 - REST 320 Public Praxis I
 - REST 325 Public Praxis II
 - REST 330 Religion In Contemporary Modern Life
 - REST 335 Marriage and the Family From Religious Perspectives
 - REST 392 Special Topics courses on Ethics

1.5	Scripture		
	One course from	3 cr	
	REST 300 Judeo Christian Scriptures		
	REST 371 Hebrew Bible as Classic Literature		
1.6	Philosophical and Theological Methodology		
	One course from	3 cr	
	REST 315 Global Liberation Theology		
	REST 331 Philosophy of Religion		
1.7	Elective		
	One additional REST course	3 cr	
1.8	Capping		
	REST 477 Capping Course	3 cr	
Total Credit Requirement in Religion			33 cr
2.0	Course Requirements in Related Fields		
	CMPT 103 Technology for the 21st Century	3 cr	
Total Credit Requirement in Related Fields			3 cr
Total Credit Requirement for a Major in Religion			36 cr
3.0	Core/Liberal Studies Requirements		
3.1	FOUNDATION		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	0 cr	(fulfilled by major field req.)
	Fine Arts	3 cr	
	History	3 cr	
	Literature	3 cr	
	Mathematics	3 cr	
	Natural Science	3 cr	
	Social Science	<u>3 cr</u>	
			21 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			40 cr
4.0	Electives		<u>44 cr</u>
Total Credit Requirement for Graduation			120 cr

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN RELIGION

FRESHMAN YEAR

FALL

PHIL 101 Philosophical Perspectives	3 cr
FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr
REST 107 Intro to Religion	3 cr
Core/LS	<u>3 cr</u>
	16 cr

SPRING

REST 201 Religion in America	3 cr
REST 209 World Religions	3 cr
Core/LS Science	3 cr
Core/LS Fine Arts	3 cr
Elective	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

REST 203, 204 or 243	3 cr
Core/LS Social Science	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

REST 215 or REST 216	3 cr
Core/LS History	3 cr
Core/LS Literature	3 cr
CMPT 103 Technology for 21st Century	3 cr
Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR

FALL

200 Level Religious Ethics course	3 cr
REST 300 or REST 371	3 cr
Core/LS Pathway	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

300-Level Religious Ethics course	3 cr
Core/LS Pathway	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR

FALL

REST 315 or REST 331	3 cr
Core/LS Pathway	3 cr
REST Elective	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

REST 477 Capping	3 cr
Core/LS Pathway	3 cr
Elective	3 cr
Elective	3 cr
Elective	<u>2 cr</u>
	14 cr

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	<u>12 cr</u>

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. HANSSEN, Ph.D., LCSW, *Chairperson*

MISSION:

The Marist College Social Work Program is dedicated to preparing generalist social work practitioners committed to promoting the well-being of all people and their communities, through an integrated curriculum design grounded in the core values, ethics, and traditions of the profession and that provides the opportunity to master professional knowledge and skills. The Program fosters collaborative relationships with the diverse human services community in the Hudson River Valley to enrich student learning both in the classroom and in the field. The program challenges faculty and students to become social work leaders in the development of a more just society locally and globally.

The Marist College BSW Program has a curriculum which is grounded in the profession's purpose and values, informed by the program's context and is driven by the mission of the institution. The BSW Program curriculum prepares its graduates for entry level generalist practice through the mastery of the 9 Social Work Program Competencies (SWPC) and 31 behaviors as required by the Council on Social Work Education (CSWE). The goal of competency-based education is to ensure that students can successfully integrate and apply the competencies in practice with individuals, families, groups, organizations, and communities. Competencies are measurable practice behaviors that are based on social work knowledge, values, and skills. The total social work curriculum provides opportunities in the classroom and in a range of field education experiences for students to master the practice skills necessary to perform as competent and ethical generalist social work practitioners.

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	3 cr	
SOCW 382 Junior Field Education	1 cr	
SOCW 395 Social Work with Diverse Populations	3 cr	
SOCW Required Social Work Elective	3 cr	
SOCW 475 Social Work Methods II	3 cr	
SOCW 478 Senior Integrative Seminar /Capping	3 cr	
SOCW 482 Practicum in Social Work I	4 cr	
SOCW 483 Practicum in Social Work II	<u>4 cr</u>	
Credit Requirement in Sociology and Social Work		51 cr
2.0 Course Requirements in Related Fields		
PSYC 101 Introduction to Psychology	3 cr	
ECON 150 Economics of Social Issues	3 cr	
POSC 110 American National Government	3 cr	
BIOL 101 Topics in Biology OR		
BIOL 237 Human Biology	<u>3 cr</u>	
Credit Requirement in Related Fields		<u>12 cr</u>
Total Credit Requirement for a Major in Social Work		63 cr
3.0 Core/Liberal Studies Requirements		
3.1 FOUNDATION		
FYS 101 First Year Seminar	4 cr	
ENG 120 Writing for College	<u>3 cr</u>	
		7 cr
3.2 DISTRIBUTION		
Breadth		
PHIL 101 Philosophical Perspectives	3 cr	
Ethics, Applied Ethics, or Religious Studies	3 cr	
Fine Arts	3 cr	
History	3 cr	
Literature	3 cr	
Mathematics	3 cr	
Natural Science	0 cr	(fulfilled by major field req.)
Social Science	<u>0 cr</u>	(fulfilled by major field req.)
		18 cr
Pathway*		<u>12 cr</u>
Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement		37 cr
4.0 Electives		<u>20 cr</u>
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.		

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

RECOMMENDED PROGRAM SEQUENCE FOR A SOCIAL WORK MAJOR

FRESHMAN YEAR

FALL

SOC 101 Intro to Sociology	3 cr
BIOL 101 Topics in Biology OR BIOL 237 Human Biology	3 cr
ENG 120 Writing for College	3 cr
FYS 101 First Year Seminar	<u>4 cr</u>
	13 cr

SPRING

PSYC 101 Intro to Psychology	3 cr
CMPT 103 Technology 21st Century	3 cr
Core/LS History	3 cr
Core/LS Philosophical Perspectives	3 cr
General Elective	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

SOCW 230 Intro to Social Work	3 cr
ECON 150 Economics of Social Issues	3 cr
POSC 110 American Nat'l Gov't	3 cr
Core/LS Math	3 cr
Core/LS	3 cr
	<u>15 cr</u>

SPRING (Recommended semester for Study Abroad)

Core/LS Fine Arts	3 cr
Core/LS	3 cr
Core/LS Literature	3 cr
SOC 336 Social Inequality	3 cr
Core Pathway/Distribution	3 cr
	<u>15 cr</u>

JUNIOR YEAR

FALL

SOCW 330 Soc Serv Theory/Pract	3 cr
SOCW 345 Hum Beh Soc Environ	3 cr
SOCW 344 Social Welfare Policy & Analysis	3 cr
SOC 440 Social Theory	3 cr
Core/LS	3 cr
	<u>15 cr</u>

SPRING

SOC 480 Social Research Methods	3 cr
SOCW 383 Social Work Methods I	3 cr
SOCW 382 Junior Field Education	1 cr
SOCW 395 Social Work w/Diverse	3 cr
Core Pathway/Distribution	3 cr
General Elective	<u>3 cr</u>
	16 cr

SENIOR YEAR

FALL

SOCW 475 Social Work Methods II	3 cr
SOCW 482 Practicum in Social Work I	4 cr
General Elective	3 cr
General Elective	3 cr
Required SW Elective	<u>3 cr</u>
	16 cr

SPRING

SOC 341 Social Change	3 cr
SOCW 478 Senior Integrative Sem/Capping	3 cr
SOCW 483 Practicum in Social Work II	4 cr
General Elective	3 cr
General Elective	<u>2 cr</u>
	15 cr

REQUIREMENTS FOR A MINOR IN SOCIOLOGY

SOC 101 Introduction to Sociology	3 cr
SOC 336 Social Inequality	3 cr
SOC 341 Social Change	3 cr
SOC 440 Social Theory	3 cr
SOC 450 Qualitative Social Research Methods OR SOC 480 Social Research Methods	3 cr
One additional elective course in sociology or from the following	<u>3 cr</u>
HIST 130 Intro to Women's Studies	
SPAN 154 Cultures of Hispanics in the United States	
MDIA 325 Documentary Film	
MDIA 326 Race, Ethnicity & Film	
MDIA 335 Gender & the Media	
POSC 303 Politics of Prejudice	

Total Credit Requirement for a Minor in Sociology 18 cr

REQUIREMENTS FOR A MINOR IN SOCIAL WORK

SOC 101 Introduction to Sociology	3 cr
SOCW 230 Introduction to Social Work	3 cr
Three other courses in Social Work or two courses in SW and SPAN 295 Spanish for the Human Services	<u>9 cr</u>

Total Credit Requirement for a Minor in Social Work 15 cr

SPANISH

IVETTE ROMERO, 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 and Cultures 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) Marist International Programs, featuring individual placement, generally during the junior year, in Spain (Madrid, Granada) or Latin America (Argentina, Chile, and Cuba among others).
- (2) Bilingual Education concentration.
- (3) Secondary school teacher certification.
- (4) Latin American and Caribbean 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 Cultures of Spain	3 cr
	SPAN 260 Cultures of Latin America	3 cr
	SPAN 270 Cultures of Hispanics in the U.S.	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	<u>21 cr</u>
	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. Heritage Speakers' Track

1.0	Course Requirements in Spanish	
	SPAN 210* Spanish for Heritage Speakers I	3 cr
	SPAN 211* Spanish for Heritage Speakers II	3 cr
	SPAN 312 Spanish for Heritage Speakers III	3 cr
	SPAN 250 Cultures of Spain	3 cr
	SPAN 260 Cultures of Latin America	3 cr
	SPAN 270 Cultures of Hispanics in the U.S.	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	<u>12-18 cr</u>

Courses closed to Heritage Speakers are the following, which cannot be used to fulfill major requirements unless approved by the chair of Modern Languages and Cultures:

- SPAN 101-102 Elementary Spanish I-II
- SPAN 105-106 Intermediate Spanish I-II
- SPAN 201 Spanish: Communicating in the Spanish-speaking World
- SPAN 202 Spanish: Fiction and Expression
- SPAN 281-282 Conversation and Culture I-II
- SPAN 360-361 Composition and Conversation I-II

Credit Requirement in Spanish, Heritage 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 Cultures of Spain	3 cr	
	SPAN 260 Cultures of Latin America	3 cr	
	SPAN 270 Cultures of Hispanics of the U.S.	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	<u>15 cr</u>	
	Credit Requirement in Spanish, Regular Track–Double Major		30 cr

D. Heritage Speakers' Track–Double Major

1.0	The requirements are the same as in B. Heritage Speakers' Track.	18-24 cr	
	However, the number of additional upper-level Spanish language and literature courses is reduced to:	<u>6-12 cr</u>	
	Credit Requirement in Spanish, Heritage Speakers' Track-Double Major		<u>30 cr</u>

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		
	FYS 101 First Year Seminar	4 cr	
	ENG 120 Writing for College	<u>3 cr</u>	7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics, Applied Ethics, or Religious Studies	3 cr	
	Fine Arts	3 cr	
	History	3 cr	
	Literature	0 cr	(fulfilled by major field req.)
	Mathematics	3 cr	
	Natural Science	3 cr	
	Social Science	<u>3 cr</u>	21 cr
	Pathway*		<u>12 cr</u>
	Courses addressing an interdisciplinary topic.		
	Total Core/Liberal Studies Requirement		40 cr
4.0	Electives: Tracks A and B		44 cr
	Tracks C and D		<u>50 cr</u>
	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

* Breadth and Pathway courses may overlap, but all students must take a total of 36 distribution credits (including related field requirements). Students majoring in Breadth areas may apply a maximum of 6 credits to their distribution total. If applicable to a Pathway, 3 credits may come from disciplines outside of Core Breadth areas. Although foreign language and culture courses are not required within the Core, some courses in these fields may be used to fulfill distribution requirements. See the Core/LS Program website for a detailed list of all courses that satisfy distribution requirements.

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 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 103 of this catalog. Passing score on the OPI at a minimum of advanced low-level proficiency or fulfilling a departmental remediation plan is required for the student/candidate to be recommended for certification.

REQUIREMENTS FOR A MINOR IN SPANISH LANGUAGE STUDIES

Spanish Language: nine credits above the intermediate level*	9 cr
Cultures of Spain and Latin America	6 cr
Literature: One course selected with advisement	<u>3 cr</u>

TWELVE to FIFTEEN credits of the minor can also simultaneously fulfill the distribution requirements of Core/LS.

* SPAN 210-211 are required for Heritage Speakers of Spanish, but may be waived if the student has a solid background in the language.

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 270 Cultures of Hispanics in the United States 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	<u>3 cr</u>

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

FALL

SPAN 201 or 281	3 cr
ENG 120 Writing for College	3 cr
FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
Elective or CSIS courses	<u>3 cr</u>
	16 cr

SPRING

SPAN 202 or 281	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SOPHOMORE YEAR

FALL

SPAN 250	3 cr
SPAN 360 or SPAN 315	3 cr
Core/LS	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

SPAN 260	3 cr
SPAN 315 or SPAN 325	3 cr
Core/LS	3 cr
Elective	3 cr
Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR (Marist Abroad Madrid)

FALL

SPAN 300 or 400 Level Elective	3 cr
SPAN 300 or 400 Level Language	3 cr
Core/LS	3 cr
SPAN 300 or 400 Level Literature	3 cr
SPAN 300 or 400 Level Elective	<u>3 cr</u>
	15 cr

SPRING

SPAN 300 or 400 Level Elective	3 cr
SPAN 300 or 400 Level Elective	3 cr
Core/LS	3 cr
Core/LS	3 cr
SPAN 300 or 400 Level Elective	<u>3 cr</u>
	15 cr

JUNIOR YEAR (On Campus)**FALL**

SPAN 360 OR 270	3 cr
SPAN Literature	3 cr
SPAN Elective or General Elective	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SPRING

SPAN 300 or 400 Level Elective	3 cr
SPAN Literature	3 cr
SPAN Elective or General Elective	3 cr
Core/LS	3 cr
Elective	<u>3 cr</u>
	15 cr

SENIOR YEAR**FALL**

SPAN 270 or Spanish Literature	3 cr
Electives	<u>12 cr</u>
	15 cr

SPRING

SPAN 477 Capping Course	3 cr
Electives	<u>12 cr</u>
	15 cr

WOMEN'S, GENDER, AND SEXUALITY STUDIES MINORKRISTEN BAYER, Ph.D., *Co-Director*ANGELA LAFLEN, Ph.D., *Co-Director*

Women's, Gender, and Sexuality Studies is a multidisciplinary academic program that focuses on gender and sexuality as a significant cultural and cognitive category. The minor in WGSS exposes students to the intellectual, political, and aesthetic contributions of women to human culture, and examines how gender and sexuality has influenced the lives, status, and opportunities of all people. Attention is paid to the ways in which gender and sexuality 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, sexuality, 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, Gender, and Sexuality 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 WGSS please see one of the Co-Directors.

REQUIREMENTS FOR A MINOR IN WOMEN'S STUDIES

WMST 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.)

- BIOL 232 Sex, Evolution, and Behavior
- COM 350 Sex and Media
- COM 400 Gender and Communication
- ECON 200 Economics of Gender
- ENG 220 Literature and Gender
- HIST 232 U.S. Women's History
- HIST 267 Women in Asia
- HIST 314 Witchcraft and Sorcery in Pre-Modern Europe
- HIST 325 History of American Feminism
- HIST 332 Women and Religion in America
- WMST 385/MDIA 335 Gender and Media
- POSC 314 Gender and the Law
- POSC 320 Feminist Political Thought
- PSY 206 Psycho-Biological Sex Differences
- PSY 331 Psychology of Women
- SOC 336 Social Inequity
- SOC 341 Social Change
- SPAN 370 Latin American Women Writers

Other courses to be approved in advance by the Co-Directors.