THE CORE/LIBERAL STUDIES CURRICULUM

SALLY DWYER-MCNULTY, Ph.D., *Interim 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: 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	3 cr
	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	3 cr
(PHIL 101 Philosophical Perspectives)	
Ethics, Applied Ethics, or Religious Studies	3 cr
Fine Arts	3 cr
History	3 cr
Literature	3 cr
Mathematics	3 cr
(see Mathematics placement recommendation)	
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) Public Presentation Technological Competency	0 stand-alone credits	
3.4	CAPPING (taken in the major field of study during the senior year)	3 cr	
			3 cr

Total credits for Core/LS requirements 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,	3-6 cr

Literature, Fine Arts, Philosophy/Religious Studies)
- Elective course 3 cr
- Internship 0-6 cr**

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

CAROL FRIEDMAN, M.B.A., *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 for sensitive management positions in business and industry, public accounting, governmental and not-for-profit organizations. Professional opportunities include careers in public accounting as a certified public accountant (CPA), management accounting, and internal auditing. The Marist Bachelor of Science in Accounting also serves as a sound educational base for post-baccalaureate study in business and law.

To respond to the educational requirement to be licensed as a CPA, the School of Management established a Dual Degree program for Marist accounting students that enables them to obtain a Bachelor of Science in Accounting and a Master of Science in Professional Accountancy to meet the 150 credit hours educational requirement to be licensed as a CPA.

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 Business and Society in a Global Environment	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	3 cr	
Credit Requirement in Accounting			33 cr
2.0	Course Requirements in Related Fields		
	BUS 202 Business & Society in a Global Environment	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	3 cr	
Credit Requirement in Related Fields			39-40 cr
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	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	3 cr	
	Social Science	0 cr	(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	3 cr	
		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 315 Fraud Examination		
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	3 cr	Core/LS Distribution	3 cr
	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	3 cr	Core/LS Distribution	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
ACCT 310 Cost Accounting	3 cr	ACCT 451 Government and 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	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
ACCT 402 Auditing	3 cr	ACCT 477 Current Issues In Accounting	3 cr
ACCT 403 Tax I	3 cr	Acct or Business Elective	3 cr
Core/LS Distribution	3 cr	Acct or Business Elective	3 cr
Core/LS Distribution	3 cr	Core/LS Distribution	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

Some core/emphasis accounting courses are only offered in the fall or spring. Students are responsible for determining the semester in which the course is available.

B.S./M.S. PROGRAM IN ACCOUNTING

The Dual Degree in Accounting provides Marist students majoring in accounting the opportunity to receive both an undergraduate and graduate degree in as little as four years and four months. Accounting majors may elect to be accepted into the Dual Degree program in Accounting at the end of their sophomore year. The program is designed for students to complete substantially all of the undergraduate portion of their bachelor degree during the first semester of their senior year and admitted into the graduate portion during the second semester of their senior year with an internship and distant learning courses. Students will be required to take at least one graduate course during their fall semester of their senior year along with their remaining undergraduate courses and at least one undergraduate course during the second semester with their graduate courses. The graduate portion is completed during the summer with two five-week sessions and one two-week accelerated tax research course. There is no GMAT requirement for Marist students majoring in accounting.

SUMMARY OF REQUIREMENTS FOR A B.S./M.S. 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	3 cr		
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	3 cr		
Credit Requirement in Related Fields			39-40 cr	
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	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	3 cr		
	Social Science	0 cr	(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
5.0	Accounting Core:			
	MSPA 601 Accounting Research	3 cr		
	MSPA 610 Tax Research	3 cr		
	MSPA 620 Advanced Auditing	3 cr		

Credit Requirements in Accounting			9 cr
6.0	Graduate Related Fields:		
	MBA 664 Economics	3 cr	
	MSPA 630 Business Valuations	3 cr	
	MBA 665 Analytics Bootcamp	3 cr	
Credit Requirements in Related Fields			9 cr
7.0	Graduate Electives		
	Choose 12 credits from the following:		
	MSPA 602 Internship in Accounting	3 cr	
	MBA 667 Accounting	3 cr	
	MBA 688 Ethical Management of Organization	3 cr	
	MSPA 621 Accounting Information Systems	3 cr	
	MSPA 603 International Financial Accounting Standards	3 cr	
Credit Requirements in Electives			12 cr
Total Credits Requirements for Graduation			30 cr
Total Credits for Dual Degree Program			150 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 DUAL B.S./M.S. 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 115 Calc w/Management Applications	3 cr
ECON 103 Principles of Microeconomics	3 cr	ACCT 204 Managerial Accounting	3 cr
MATH 130 Introductory Statistics I	3 cr	ECON 104 Principles of Macroeconomics	3 cr
Core/LS	3 cr	ENG 120 Writing for College	3 cr
	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	ACCT 310 Cost Accounting	3 cr
BUS 320 Financial Management	3 cr	ACCT 330 Financial Statement Analysis	3 cr
Core/LS Distribution	3 cr	Elective/ECON 422 Financial Markets & Institutions	3 cr
Core/LS Distribution	3 cr	Core/LS Distribution	3 cr
	15 cr		15 cr

SOPHOMORE YEAR – SUMMER

Core/LS Distribution	3 cr
Core/LS Distribution	3 cr
	6 cr

JUNIOR YEAR

FALL		**SPRING**	
ACCT 401 Advanced Accounting	3 cr	ACCT 402 Auditing	3 cr
ACCT 403 Tax I	3 cr	ACCT 404 Tax II	3 cr
BUS 302 Organizational Behavior	3 cr	CMPT 300 Management Information Systems	3 cr
BUS 380 Business Law I	3 cr	BUS 381 Business Law II	3 cr
Elective/BUS 120 Financial Literacy	1 cr	Elective/CMPT 105 Excel	1 cr
Core/LS Distribution	3 cr	Core/LS	3 cr
	16 cr		16 cr

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

JUNIOR YEAR – SUMMER

Core/LS	3 cr
Elective	3 cr
	6 cr

SENIOR YEAR

FALL

ACCT 477 Current Issues in Accounting	3 cr
ACCT 451 Govt. & Not-for-Profit Accounting	3 cr
BUS 301 Human Resources Management	3 cr
BUS 340 Marketing Principles	3 cr
MBA 665 Analytic Bootcamp	3 cr
	15 cr

SPRING

Undergraduate Elective	3 cr
MSPA 602 Internship in Accounting	3 cr
MBA 664 Economics	3 cr
MBA 688 Ethical Management of Org	3 cr
	12 cr

SENIOR YEAR – SUMMER (offered as 2 and 5 week formats)

MSPA 601 Accounting Research	3 cr
MSPA 603 International Financial Acctg Stand	3 cr
MSPA 610 Tax Research	3 cr
MSPA 620 Advanced Auditing	3 cr
MSPA 630 Business Valuations	3 cr
MSPA 621 Accounting Information Systems	3 cr
	18 cr

Some core undergraduate accounting classes are only offered in the fall or spring. Students are responsible for determining the semester in whichh the course is available.

AFRICAN DIASPORA STUDIES MINOR

MARTIN 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 Minor

Communications

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

English

- ENG 353 Ethnic American Literature

*Foreign Languages and Culture

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

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

SALLY DWYER-MCNULTY, Ph.D., *Coordinator*
An interdepartmental program including 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 or focus area such as Latin America and the Caribbean, African Diaspora, of Jewish Studies. Concentrations should be approved by the Coordinator. 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	3 cr	
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	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	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	0 cr	(fulfilled by major field req.)
			9 cr
	Pathway*		12 cr
	Courses addressing an interdisciplinary topic.		
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 308 Rock 'n' Roll in US History	
	HIST 309 American Colonial Experience	

HIST 316 America and the Movies
HIST 320 American Diplomatic History
HIST 325 History of American Feminism
HIST 332 Women and Religion in America
HIST 345 Sex, Disease, and Death in America
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		**SPRING**	
FYS 101 First Year Seminar	4 cr	HIST 226 American History I	3 cr
ENG 120 Writing for College	3 cr	ENG 211 American Literature I	3 cr
ENG 210 American Literature I	3 cr	POSC 110 American National Government	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS Elective	3 cr
HIST 101 Themes of Modern History	3 cr	Elective	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
American Studies – Fine Arts	3 cr	American Studies – Political Science	3 cr
HIST 227 American History II	3 cr	CMPT 103 Technology for 21st Century	3 cr
REST 201 Religion in America	3 cr	PHIL 240 American Pragmatism	3 cr
Core/LS Elective	3 cr	Core/LS Elective	3 cr
Core/LS Elective	3 cr	Core/LS Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
Core/LS Elective	3 cr	American Studies – POSC International	3 cr
American Studies – American Literature	3 cr	Core/LS Elective	3 cr
American Studies –American History Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
HIST 477 Capping	3 cr	American Studies – History (non-American)	3 cr
American Studies - Literature (non-American)	3 cr	PHIL 342 American Social Thought	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	2 cr	Elective	3 cr
	14 cr		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, manufacturing and many others. These applications require an understanding of the appropriate field, so students are expected to choose one of four subfields outside of mathematics in which to specialize.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

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

For the proposed curriculum in the Financial/Actuarial track below, Lab Science I and Lab Science II may be comprised of any one of the following four 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)
4. Programming Option - The following two computer science courses (taken in the order below) and the following data analysis course (taken at any time)[1]:
   - CMPT 120 Introduction to Programming (4 cr)
   - CMPT 220 Software Development (4 cr)
   - DATA 220 Introduction to Data Analysis (4 cr)

*Applied Mathematics Foundation Courses (36 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 410 Abstract Algebra	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 (6 credits)**

Choose 2 courses from: 6 cr

- 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 423 Partial Differential Equations
- 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 (18-20 cr)

Lab Science I - Programming Option (see description above)	4 cr
Lab Science II - Programming Option (see description above)	4 cr
CMPT 221 Software Development II	4 cr
Any two 300- or 400-level CMPT or DATA courses	6-8 cr

Financial/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.

1 The base curricula requires either CMPT 120 or DATA 220

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		36 cr	
1.1	Additional Upper-Level Mathematics courses		6 cr	
1.2	Interdisciplinary Tracks		18-20 cr	
2.0	Course Requirements in Related Fields		4 cr	
Total Credit Requirement for a Major in Applied Mathematics				64-66 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	3 cr		
			18 cr	
	Pathway†		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				37 cr
4.0	General Electives			17-19 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, 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		**SPRING**	
MATH 241 Calculus I	4 cr	MATH 242 Calculus II	4 cr
DATA 220 Intro Data OR CMPT 120 Intro Prog.	4 cr	PHIL 101 Philosophical Perspectives	3 cr
FYS 101 First Year Seminar	3 cr	Track Requirement or Core Dist.	3-4 cr
ENG 120 Writing for College	4 cr	Core/LS	3 cr
		Core/LS (if no 4-cr Track Req.)	0-3 cr
	15 cr		14-16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
MATH 343 Calculus III	4 cr	MATH 310 Intro Math Reasoning	3 cr
MATH 210 Linear Algebra	3 cr	MATH 321 Differential Equations	3 cr
Track Requirement	4 cr	Track Requirement	4 cr
Core/LS	3 cr	Core/LS	3 cr
		Core/LS	3 cr
	14 cr		16 cr

JUNIOR YEAR

FALL		**SPRING**	
MATH 300/400-level Requirement	3 cr	MATH 300/400-level Elective	3 cr
MATH 300/400-level Requirement	3 cr	MATH 300/400-level Elective	3 cr
Track Requirement	3-4 cr	Track Requirement	3-4 cr
Core/LS or General Elective	3 cr	Core/LS or General Elective	3 cr
Core/LS or General Elective	3 cr	Core/LS	3 cr
	15-16 cr		15-16 cr

SENIOR YEAR

FALL		**SPRING**	
MATH 300/400-level Requirement	3 cr	MATH 477 Capping	3 cr
MATH 300/400-level Requirement	3 cr	Track Elective or General Elective	3 cr
Track Requirement, Track Elective or Core/LS	3-4 cr	Core/LS or General Elective	3 cr
		General Elective	3 cr
Core/LS or General Elective	3 cr	General Elective	0-3 cr
Core/LS or General Elective	3 cr		
	15-16 cr		12-15 cr

Please see the documentation (page 176) 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 176.

ART AND DIGITAL MEDIA

RICHARD LEWIS, 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, Iceland, Netherlands, Greece, 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	3 cr		
			21 cr	
1.1	Tracks			
	3 courses in one of the following: digital media, drawing, graphic design, painting, or photography	9 cr		
			9 cr	
1.2	Each student is required to take four additional courses in Studio Art.	12 cr		
			12 cr	
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	3 cr		
			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*		12 cr	
	Courses addressing an interdisciplinary topic.			

Total Core/Liberal Studies Requirement				40 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 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	9 cr		
	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.)		24 cr	
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	3 cr		
			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	3 cr		
			15-21 cr	
	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				34-40 cr
4.0	Electives			38-44 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 BACHELOR OF SCIENCE IN DIGITAL MEDIA WITH A CONCENTRATION IN GRAPHIC DESIGN

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

1.0	Art Foundation Requirements		27 cr	
	ART 101 Fundamentals of Art & Design	3 cr		
	ART 110 Basic Drawing	3 cr		
	ART 201 3D Design	3 cr		
	ART 231 Introduction to Digital Media	3 cr		
	ART 160 History of Western Art I	3 cr		
	ART 180 History of Western Art II	3 cr		
	ART XXX 200 level or above Art History	3 cr		
	ART 477 Capping Course	3 cr		
	ART 478 Senior Thesis: Portfolio	3 cr		
1.2	Digital Media Foundation		12 cr	
	ART 211 Digital Layout & Design	3 cr		
	ART 235 Digital Animation I	3 cr		
	ART 320 Digital Photography I	3 cr		
	ART 323 Designing for the Web	3 cr		
1.3	Graphic Design Concentration (choose 5 courses)		15 cr	
	ART 215 Graphic Design I: Typography and Design	3 cr		
	ART 315 Graphic Design II: Publication and Design	3 cr		
	ART 415 Graphic Design III: Advanced Typography	3 cr		
	ART 326 Digital Illustration	3 cr		
	ART 321 Digital Painting	3 cr		
	ART 322 Multimedia Authoring	3 cr		
	ART 420 Digital Photography II	3 cr		
Total Credit Requirement in Digital Media				54 cr
2.0	Course Requirements in Related Fields			

Students must take an additional fifteen credits in art electives, related field* electives (i.e., multimedia-related courses in Communication or Information Technology), and/or in a Professional Internship* or any combination of the three.

				15 cr
Total Credit Requirement for a Major in Digital Media: Graphic Design				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	3 cr		
			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*		12 cr	
	Courses addressing an interdisciplinary topic.			

Total Core/Liberal Studies Requirement			40 cr
4.0	Electives		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 BACHELOR OF SCIENCE IN DIGITAL MEDIA WITH A CONCENTRATION IN ANIMATION

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

1.0	Art Foundation Requirements		27 cr	
	ART 101 Fundamentals of Art & Design	3 cr		
	ART 110 Basic Drawing	3 cr		
	ART 201 3D Design	3 cr		
	ART 231 Introduction to Digital Media	3 cr		
	ART 160 History of Western Art I	3 cr		
	ART 180 History of Western Art II	3 cr		
	ART XXX 200 level or above Art History	3 cr		
	ART 477 Capping Course	3 cr		
	ART 478 Senior Thesis: Portfolio	3 cr		
1.2	Digital Media Foundation		12 cr	
	ART 211 Digital Layout & Design	3 cr		
	ART 235 Digital Animation I	3 cr		
	ART 320 Digital Photography I	3 cr		
	ART 323 Designing for the Web	3 cr		
1.3	Animation Concentration (choose 5 courses)		15 cr	
	ART 321 Digital Painting	3 cr		
	ART 322 Multimedia Authoring	3 cr		
	ART 431 3D Modeling and Visualization	3 cr		
	ART 432 3D Animation	3 cr		
	ART 435 Digital Animation II	3 cr		
	ART 445 Digital Animation III	3 cr		
Total Credit Requirement in Digital Media				54 cr
2.0	Course Requirements in Related Fields			

Students must take an additional fifteen credits in art electives, related field* electives (i.e., multimedia-related courses in Communication or Information Technology), and/or in a Professional Internship* or any combination of the three.

				15 cr
Total Credit Requirement for a Major in Digital Media: Animation				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	3 cr		
			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*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives			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 BACHELOR OF SCIENCE IN DIGITAL MEDIA WITH A CONCENTRATION IN DIGITAL ART

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

1.0	Art Foundation Requirements		27 cr	
	ART 101 Fundamentals of Art & Design	3 cr		
	ART 110 Basic Drawing	3 cr		
	ART 201 3D Design	3 cr		
	ART 231 Introduction to Digital Media	3 cr		
	ART 160 History of Western Art I	3 cr		
	ART 180 History of Western Art II	3 cr		
	ART XXX 200 level or above Art History	3 cr		
	ART 477 Capping Course	3 cr		
	ART 478 Senior Thesis: Portfolio	3 cr		
1.2	Digital Media Foundation		12 cr	
	ART 211 Digital Layout & Design	3 cr		
	ART 235 Digital Animation I	3 cr		
	ART 320 Digital Photography I	3 cr		
	ART 323 Designing for the Web	3 cr		
1.3	Digital Arts Concentration (choose 5 courses)		15 cr	
	ART 321 Digital Painting	3 cr		
	ART 322 Multimedia Authoring	3 cr		
	ART 420 Digital Photography II	3 cr		
	ART 435 Digital Animation II	3 cr		
	ART 325 Visual Book	3 cr		
	ART 326 Digital Illustration	3 cr		
Total Credit Requirement in Digital Media				54 cr
2.0	Course Requirements in Related Fields			

Students must take an additional fifteen credits in art electives, related field* electives (i.e., multimedia-related courses in Communication or Information Technology), and/or in a Professional Internship* or any combination of the three.

				15 cr
Total Credit Requirement for a Major in Digital Media: Digital Arts				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	3 cr		
			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*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives			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 BACHELOR OF SCIENCE IN STUDIO ART

Concentration in Studio Art

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

1.0	Course Requirements			
	ART 160 History of Western Art I	3 cr		
	ART 180 History of Western Art II	3 cr		
	Two 200-level or above Art History courses	6 cr		
	ART 477 Capping: Art and Art Criticism	3 cr		
	ART 478 Senior Thesis	3 cr		
			18 cr	
1.1	Art Studio Foundation			
	ART 101 Fundamentals of Art and Design I	3 cr		
	ART 110 Basic Drawing	3 cr		
	ART 201 3D Design	3 cr		
	ART 231 Intro to Digital Media	3 cr		
			12 cr	
1.2	Major Concentration			
	ART 111 Basic Painting	3 cr		
	ART 105 Basic Sculpture	3 cr		
	ART 203 Draw II: Media and Techniques	3 cr		
	ART 207 Basic Printmaking	3 cr		
	ART 145 Basic Photography	3 cr		
	Five studio art courses at the 200 level or above	15 cr		
			30 cr	
1.3	Art Electives, Related Fields, and/or Professional Internship		9 cr	
	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.			
Total Credit Requirement for Concentration in Studio Art				69 cr
3.0	Core/Liberal Studies Requirement			
3.1	FOUNDATION			
	FYS 101 First Year Seminar	4 cr		
	ENG 120 Writing for College	3 cr		
			7 cr	

SOPHOMORE YEAR

FALL		SPRING	
Art History Elective 1	3 cr	Art History Elective 2	3 cr
Liberal Arts Elective	3 cr	Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr	Liberal Arts Elective	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		SPRING	
Art History Elective 3	3 cr	Art History Elective 4	3 cr
Alternate Field Discipline 1	3 cr	Alternate Field Discipline 2	3 cr
Liberal Arts Elective	3 cr	Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		SPRING	
Art History Elective 5	3 cr	ART 477 Capping	3 cr
Alternate Field Discipline 3	3 cr	Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr	Liberal Arts Elective	3 cr
Liberal Arts Elective	3 cr	Liberal Arts Elective	2 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		14 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN DIGITAL MEDIA

FRESHMAN YEAR

FALL		SPRING	
ART 101 Fund. of Art & Design	3 cr	ART 110 Basic Drawing	3 cr
ART 231 Intro to Digital Media	3 cr	ART 180 History of Western Art II	3 cr
ART 160 History of Western Art I	3 cr	Digital Media Foundation	3 cr
FYS 101 First Year Seminar	3 cr	ENG 120 Writing for College	3 cr
Core/LS	4 cr	Core/LS	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		SPRING	
Major Concentration 1 of 5	3 cr	Digital Media Foundation	3 cr
Digital Media Foundation	3 cr	Digital Media Foundation	3 cr
ART 201 3D Design	3 cr	Major Concentration 2 of 5	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		SPRING	
Major Concentration 3 of 5	3 cr	Major Concentration 4 of 5	3 cr
ART xxx 200 level or above Art History	3 cr	Elective	3 cr
Related Field 1 of 5	3 cr	Related Field 2 of 5	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		SPRING	
Major Concentration 5 of 5	3 cr	ART 477 Capping	3 cr
ART 478 Senior Thesis	3 cr	Related Field 4 of 5	3 cr
Related Field 3 of 5	3 cr	Related Field 4 of 5	3 cr
Elective	3 cr	Elective	2 cr
Core/LS	3 cr	Elective	3 cr
	15 cr		14 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN STUDIO ART

FRESHMAN YEAR

FALL		SPRING	
ART 101 Fund. of Art & Design	3 cr	ART 231 Intro to Digital Media	3 cr
ART 110 Basic Drawing	3 cr	ART 180 History of Western Art II	3 cr
ART 160 History of Western Art I	3 cr	ART 201 3D Design	3 cr
ENG 120 Writing for College	3 cr	PHIL 101 Philosophical Perspectives	3 cr
FYS 101 First Year Seminar	4 cr	Core/LS	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
ART 203 Drawing II: Media and Techniques	3 cr	ART 111 Basic Painting	3 cr
ART 105 Basic Sculpture	3 cr	ART 207 Basic Printmaking	3 cr
Related Field Course 1	3 cr	Related Field Course 2	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
Art Studio Elective 1	3 cr	Art Studio Elective 2	3 cr
Related Field Course 3	3 cr	Art Studio Elective	3 cr
Art History (200 Level or above)	3 cr	Art History (200 Level or above)	3 cr
Core/LS	3 cr	ART 207 Basic Printmaki	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
Art Studio Elective 4	3 cr	Art Studio Elective 5	3 cr
ART 478 Senior Thesis	3 cr	ART 477 Capping	3 cr
General Elective	3 cr	General Elective	3 cr
General Elective	3 cr	General Elective	2 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		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	12 cr

Total Credit Requirement for a Minor in Studio Art 18 cr

REQUIREMENTS FOR A MINOR IN ART HISTORY

Introductory courses:	6 cr
ART 160 History of Western Art I	
ART 180 History of Western Art II	
Four additional Art History courses at the 200 level or above	12 cr

Total Credit Requirement for a Minor in Art History 18 cr

REQUIREMENTS FOR A MINOR IN PHOTOGRAPHY

Foundation Courses:	9 cr
ART 101 Fundamentals of Art and Design I OR	
ART 110 Basic Drawing	
ART 145 Basic Photography	
ART 231 Introduction to Digital Media	
Required Course:	3 cr
ART 220 History of Photography	
Two [2] of the following courses:	6 cr
ART 240 Intermediate Photography	
ART 314 Advanced Photography	
ART 320 Digital Photography I	
ART 425 Digital Photography II	
ART 313 View Camera Photography	

Total Credit Requirement for a Minor in Photography 18 cr

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 Graphic Design I: Typography and Design
ART 315 Graphic Design II: 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 326 Digital Illustration

Total Credit Requirement for a Minor in Graphic Design 18 cr

ATHLETIC TRAINING

MICHAEL E. POWERS, Ph.D., ATC, *Program Director, Chairperson*

MISSION:
The mission of the Athletic Training (ATP) 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 ATP 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 ATP begins with a pre-professional phase which consists of introductory athletic training, biology, and chemistry courses in preparation for full acceptance into the ATP. 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 ATP 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 ATP are available in the Department of Athletic Training. Enrollment in the ATP is limited to allow an effective student-to-clinical-instructor ratio. Upon full acceptance into the ATP, 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 ATP. 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/athletic-training.*

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 Extremity Assessment of Musculoskeletal Injuries + Lab	3 cr	
ATHT 311 Upper Extremity Assessment of Musculoskeletal Injuries + Lab	3 cr	
ATHT 330 Advanced Concepts in Athletic Training	3 cr	
ATHT 400 Athletic Training Administration and Strategies	3 cr	
ATHT 395, 396, 397, 398, 497, 498 Clinical Practicum I-VI	6 cr	
ATHT 477 Professional and Ethical Issues in Athletic Training	3 cr	
		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	3 cr		
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	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	0 cr	(fulfilled by major field req.)	
		15 cr	
Pathway*		12 cr	
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 Program. If deficiencies are not corrected during this time or if any new deficiencies arise, suspension from the Athletic Training Program will occur.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN ATHLETIC TRAINING

FRESHMAN YEAR

FALL		**SPRING**	
BIOL 130 General Biology I	4 cr	BIOL 131 General Biology II	4 cr
CHEM 111 General Chemistry I	3 cr	CHEM 112 General Chemistry II	3 cr
CHEM 115 General Chemistry Lab I	1 cr	CHEM 116 General Chemistry Lab II	1 cr
FYS 101 First Year Seminar	4 cr	ENG 117 Writing for College	3 cr
ATHT 104 Intro to Athletic Training	3 cr	HLTH 202 First Aid & CPR	3 cr
		PHIL 101 Philosophical Perspectives	3 cr
	15 cr		17 cr

SOPHOMORE YEAR

FALL		SPRING	
ATHT 205 Basic Concepts in AT	3 cr	ATHT 304 Therapeutic Modalities in AT	3 cr
ATHT 395 Clinical Practicum I	1 cr	ATHT 396 Clinical Practicum II	1 cr
BIOL 201 Hum Anatomy & Physiology I	4 cr	BIOL 202 Hum Anatomy & Physiology II	4 cr
CMPT 103 Technology for 21st Century	3 cr	HLTH 300 Kinesiology	3 cr
Core/LS History	3 cr	MATH 130 Intro to Statistics I	3 cr
		Core/LS Pathway #1	3 cr
	14 cr		17 cr

JUNIOR YEAR

FALL		SPRING	
ATHT 306 Therapeutic Exercise-AT	3 cr	ATHT 305 Therapeutic Interventions	3 cr
ATHT 310 Lower Extremity Assessment	3 cr	ATHT 307 Principles of Strength & Conditioning	3 cr
ATHT 397 Clinical Practicum III	1 cr	ATHT 311 Upper Extremity Assessment	3 cr
HLTH 301 Exercise Physiology	3 cr	ATHT 398 Clinical Practicum IV	1 cr
PSYC 101 Intro to Psychology	3 cr	BIOL 203 Human Nutrition	3 cr
Core/LS Literature	3 cr	Core/LS Pathway #2	3 cr
	16 cr		16 cr

SENIOR YEAR

FALL		SPRING	
ATHT 330 Advanced Concepts in AT	3 cr	ATHT 477 Prof and Ethical Issues in Ath Training	3 cr
ATHT 400 AT Admin & Strategies	3 cr	ATHT 498 Clinical Practicum VI	1 cr
ATHT 497 Clinical Practicum V	1 cr	Core/LS Ethics/Religious Studies	3 cr
PSYC 211 Sport & Exercise Psychology	3 cr	Core/LS Fine Arts	3 cr
Core/LS Pathway #3	3 cr	Core/LS Pathway #4	3 cr
	13 cr		13 cr

BIOLOGY

The Department of Biology offers majors in Biology, 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 BACHELOR OF SCIENCE IN BIOLOGY BIOLOGICAL SCIENCES CONCENTRATION

1.0 Course Requirements in Biology

BIOL 130 General Biology I[1]	4 cr
BIOL 131 General Biology II[1,2]	4 cr
BIOL 211 Plant Biology	4 cr
BIOL 320 Genetics	4 cr
BIOL 477 Biology Capping	3 cr
Biology Elective courses at the 300-400 level	14 cr

These elective credits must be selected from 300-400 level BIOL classes at Marist, not including internships or research, and include at least two 4-credit BIOL courses which have a laboratory component. All 300-400 level BIOL classes have as prerequisites a grade of C or higher in BIOL 130 & 131 General Biology I & II.

Upper-level BIOL classes that qualify as 4-credit classes with a lab:
BIOL 312 Microbiology
BIOL 340 Human and Comparative Vertebrate Anatomy
BIOL 328 Cell Biology
BIOL 360 Ecology

BIOL 420 Invertebrate Zoology
BIOL 421 Parasitology
BIOL 430 Developmental Biology
BIOL 435 Plant Physiology
BIOL 440 Advanced Human Physiology
BIOL 460 Biotechnology
BIOL 493 Molecular Biology

Credit requirements in Biology 33 cr

1 Students must earn a C or higher in BIOL 130 & 131, General Biology I & II. All 300-400 BIOL courses have as a prerequisite grades of C or higher in both BIOL 130 & 131.

2 BIOL 131 General Biology II when taken at Marist fulfills the public presentation requirement for the Core.

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). Students must earn a C or higher in both BIOL 130 General Biology I and BIOL 131 General Biology II and if they elect the full-year organic chemistry option, must earn at least a C in CHEM 111 and CHEM 112 General Chemistry I and II and CHEM 115 and CHEM 116 General Chemistry I and II Lab.

2.0 Course Requirements in Related Fields

PHIL 200 Ethics (or a Bioethics class)	3 cr
MATH 130 Introductory Statistics I	3 cr
MATH 241 Calculus I or MATH131 Introductory Statistics II	3-4 cr
CHEM 111 & 115 General Chemistry I & Lab	4 cr
CHEM 112 & 116 General Chemistry II & Lab	4 cr
Organic Chemistry option:	4-8 cr
CHEM 201 & 202 Principles of Organic Chemistry & Lab OR	
CHEM 211 & 212 Organic Chemistry I & Lab[3] AND	
CHEM 215 & 216 Organic Chemistry II & Lab[3]	

Related Fields Electives: 8 cr

At least one course must be a 4-credit class that has a lab and are not credits from research or internships or from a MATH class and are not used to satisfy other requirements of the major.

Choose from:

BIOL courses for which BIOL 130-131 are prerequisites and are not used to satisfy other requirements for the major.
Note: Students who take BIOL 201 and/or BIOL 202 for credit may not then take BIOL 340 and/or BIOL 440 for credit, and who take BIOL 340 and/or BIOL 440 for credit may not then take BIOL 201 and/or BIOL 202 for credit.
BIOL 201 and/or 202 do NOT count as satisfying the requirements for BIOL classes at the 300-400 level.
BIOL internships and research (4-credit maximum and do not count as the class with a lab) - note that all BIOL research credits require an oral presentation summarizing the accomplishments of the student's research at the end of the semester in which the credits were earned.
PHYS 201 & 202 College Physics I & II OR PHYS 211 & 212 General Physics I & II
PHYS 213 & 214 General Physics I & II Labs
CHEM courses for which CHEM 111-112 are prerequisites and are not used to satisfy other requirements for the major.
ENSC 210 & 212 Introduction to Geology & Lab (may take the lecture without the lab)
ENSC 230 Introduction to Geographic Info Systems
ENSC 310 & 309 Environmental Chemistry & Lab (may take the lecture without the lab)
ENSC 315 Natural History of the Hudson Valley
ENSC 313 Environmental Microbiology
ENSC 327 Freshwater Ecology
ENSC 330 Advanced GIS
ENSC 404 Toxicology
ANTH 101 Introduction to Physical Anthropology
MEDT courses numbered 200-400 worth 4 credits (only 4-credit courses)
MATH courses numbered above 131 and are not used to satisfy other requirements of the major
Any HLTH class that has BIOL 130-131 as a prerequisites
HLTH 202 or HLTH 206 (either, but not both)

Classes that qualify as 4-credit classes with a lab in the Related Fields area:

BIOL 201 Human Anatomy & Physiology I
BIOL 202 Human Anatomy & Physiology II
BIOL 312 Microbiology
BIOL 340 Human and Comparative Vertebrate Anatomy
BIOL 328 Cell Biology
BIOL 360 Ecology
BIOL 420 Invertebrate Zoology
BIOL 421 Parasitology
BIOL 430 Developmental Biology

BIOL 435 Plant Physiology
BIOL 440 Advanced Human Physiology
BIOL 460 Biotechnology
BIOL 493 Molecular Biology
CHEM 301 with CHEM 302 Principles of Biochemistry with the companion lab
CHEM 310 with CHEM 309 Environmental Chemistry with the companion lab
CHEM 355 Analytical Chemistry
CHEM 361 with CHEM 365 Thermodynamics and Kinetics with the companion lab
CHEM 366 with CHEM 362 Quantum and Statistical Mechanics with companion lab
CHEM 420 with CHEM 423 Biochemistry I with companion lab
CHEM 421 with CHEM 424 Biochemistry II with companion lab
CHEM 430 with CHEM 431 Advanced Inorganic Chemistry with companion lab
ENSC 210 with ENSC 212 Introduction to Geology with companion lab
ENSC 310 with ENSC 309 Environmental Chemistry with companion lab
ENSC 404 Environmental Toxicology
Any MEDT course worth 4 credits
PHYS 201 or 211 with PHYS 213 Physics I with companion lab
PHYS 202 or 213 with PHYS 214 Physics II with companion lab

Credit requirements in Related Fields		29-34 cr

3 The prerequisites for CHEM 211 Organic Chemistry I are a grade of C or higher in CHEM 111, 112, 115 & 116.

Credit Requirement in Biology: Biological Sciences Concentration:			62-67 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	0 cr	(fulfilled by major field req.)
	Natural Science	0 cr	(fulfilled by major field req.)
	Social Science	3 cr	
			15 cr
	Pathway*		12 cr
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			34 cr
4.0	Electives		19-24
			4 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.

In order to graduate in this major, the student must have a minimum overall 2.0 GPA in all Biology courses taken to satisfy the major, an overall 2.0 GPA in all course taken to satisfy the major, as well as the minimum cumulative 2.0 GPA.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN BIOLOGY, HUMAN BIOLOGY CONCENTRATION

1.0 Course Requirements in Biology

BIOL 130 General Biology I[1]	4 cr
BIOL 131 General Biology II[1,2]	4 cr
BIOL 201 Human Anatomy & Physiology I	4 cr
BIOL 202 Human Anatomy & Physiology II	4 cr

BIOL 312 Microbiology	4 cr
BIOL 320 Genetics	4 cr
BIOL 477 Biology Capping	3 cr
BIOL 494-498 Biology Internship	1 cr
Biology Elective courses at the 300-400 level	7 cr

These elective credits must be selected from 300-400 level BIOL classes at Marist, not including internships or research, and are not used to satisfy other requirements for the major. At least one class must be a 4-credit BIOL course that has a laboratory component.

Students in this concentration may not take BIOL 340 and BIOL 440 as Biology Electives (but may request to substitute BIOL 340 and 440 for BIOL 201 & 202). All 300-400 level BIOL classes have as prerequisites a grade of C or higher in BIOL 130 & 131 General Biology I & II.

Upper-level BIOL classes that qualify as 4-credit classes with a lab:
- BIOL 328 Cell Biology
- BIOL 360 Ecology
- BIOL 420 Invertebrate Zoology
- BIOL 421 Parasitology
- BIOL 430 Developmental Biology
- BIOL 435 Plant Physiology
- BIOL 460 Biotechnology
- BIOL 493 Molecular Biology

Credit requirements in Biology 35 cr

1 Students must earn a C or higher in BIOL 130 & 131, General Biology I & II. All 300-400 BIOL courses have as a prerequisite grades of C or higher in both BIOL 130 & 131.

2 BIOL 131 General Biology II when taken at Marist fulfills the public presentation requirement for the Core.

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). Students must earn a C or higher in both BIOL 130 General Biology I and BIOL 131 General Biology II and if they elect the full-year organic chemistry option, must earn at least a C in CHEM 111 and CHEM 112 General Chemistry I and II and CHEM 115 and CHEM 116 General Chemistry I and II Lab. Note: Students may request to take BIOL 340 & BIOL 440 instead of BIOL 201 and BIOL 202, but student who take BIOL 340 and/or BIOL 440 for credit may not take BIOL 201 and/or BIOL 202 for credit, and students who take BIOL 201 and/or BIOL 202 may not take BIOL 340 and/or BIOL 440 for credit.

2.0 Course Requirements in Related Fields

HLTH 110 Introduction to the Health Professions	1 cr
PHIL 200 Ethics (or a Bioethics class)	3 cr
MATH 130 Introductory Statistics I	3 cr
MATH 241 Calculus I or MATH131 Introductory Statistics II	3-4 cr
CHEM 111 & 115 General Chemistry I & Lab	4 cr
CHEM 112 & 116 General Chemistry II & Lab	4 cr
CHEM 201 & 202 Principles of Organic Chemistry & Lab	4 cr

Chemistry or Physics option:

CHEM 301 & 302 Principles of Biochemistry and Lab OR	4-8 cr
PHYS 201, 202, 213 & 214 College Physics and Physics Lab I and II OR	
PHYS 211, 212, 213 & 214 General Physics and Lab I and II	

Related Fields Electives: Choose from: 9 cr
- BIOL courses for which BIOL 130-131 are prerequisites and are not used to satisfy other requirements for the major.
  Note: Students who take BIOL 201 and/or BIOL 202 for credit may not then take BIOL 340 and/or BIOL 440 for credit
- BIOL internships and/or research (3-credit maximum) not used to satisfy other requirements of the major - note that all BIOL research credits require an oral presentation summarizing the accomplishments of the student's research at the end of the semester in which the credits were earned.
- CHEM courses for which CHEM 111-112 are prerequisites and are not used to satisfy other requirements for the major.
- HLTH 202 or 206 (not both)
- Any HLTH class that has BIOL 130-131 as a prerequisites
- MATH courses numbered above 131 and are not used to satisfy other requirements of the major
- MEDT courses numbered 200-400
- PHYS 201 & 202 College Physics I & II **OR** PHYS 211 & 212 General Physics I & II if not used to satisfy other requirements of the major (Students may not apply both to satisfy requirements of the major.)
- PHYS 213 & 214 General Physics I & II Labs if not used to satisfy other requirements of the major

Credit requirements in Related Fields 35-40 cr

Credit Requirement in Biology: Human Biology Concentration: 70-75 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	0 cr	(fulfilled by major field req.)
	Natural Science	0 cr	(fulfilled by major field req.)
	Social Science	3 cr	
			15 cr
	Pathway*		12 cr
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			34 cr
4.0	Electives		11-16 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.

In order to graduate in this major, the student must have a minimum overall 2.0 GPA in all Biology courses taken to satisfy the major, an overall 2.0 GPA in all course taken to satisfy the major, as well as the minimum cumulative 2.0 GPA.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN BIOLOGY, BIOLOGICAL SCIENCES CONCENTRATION

FRESHMAN YEAR

FALL		**SPRING**	
BIOL 130 General Biology I[1]	4 cr	BIOL 131 General Biology II[1]	4 cr
CHEM 111 General Chemistry I	3 cr	CHEM 112 General Chemistry II	3 cr
CHEM 115 General Chemistry I Lab	1 cr	CHEM 116 General Chemistry II Lab	1 cr
FYS 101 First Year Seminar	4 cr	MATH 130 Introductory Statistics OR MATH 241 Calculus I	3-4 cr
PHIL 101 Philosophical Perspectives	3 cr	ENG 120 Writing for College	3 cr
		Elective	0-1 cr
	15 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
BIOL 320 Genetics	4 cr	Upper-level BIOL	4 cr
BIOL 211 Plant Biology	4 cr	MATH 130 or 131 (if not taking (MATH 241)	3 cr
Core (technology)	3 cr	PHIL 200 Ethics (or bioethics course)	3 cr
Electives	3 cr	Core (social science)	3 cr
		Elective credits	3 cr
	14 cr		16 cr

JUNIOR YEAR

FALL		**SPRING**	
CHEM 201 Principles Organic Chemistry[3]	3 cr	Related Field elective	4 cr
CHEM 202 Principles of Organic Chemistry Lab[3]	1 cr	Upper-level BIOL	3 cr
Upper-level BIOL	3 cr	Core (history)	3 cr
Pathway 1	3 cr	Pathway 2	3 cr
Electives credits	4 cr	Elective credits	3 cr
	14 cr		16 cr

SENIOR YEAR

FALL		SPRING	
Related Field elective	4 cr	BIOL 477 Biology capping	3 cr
Upper-level BIOL	4 cr	Core (literature)	3 cr
Pathway 3	3 cr	Pathway 4	3 cr
Core (Art)	3 cr	Elective credits	3 cr
Elective credits	1 cr		
	15 cr		15 cr

1 Students must earn a C or higher in BIOL 130 & 131, General Biology I & II. All 300-400 BIOL courses have as a prerequisite grades of C or higher in BIOL 130 & 131.
2 If the student selects MATH 130 and 131 instead of MATH 130 and 241, they will need to take a 1 extra elective credit over the four years.
3 Students may elect to take CHEM 211, 212, 215 & 216 Organic Chemistry I and II with companion labs. Note that a grade of C or higher in CHEM 111, 112, 115, & 116 as prerequisites for entrance into CHEM 211 & 215.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF SCIENCE IN BIOLOGY, HUMAN BIOLOGY CONCENTRATION

FRESHMAN YEAR

FALL		SPRING	
BIOL 130 General Biology I[1]	4 cr	BIOL 131 General Biology II[1]	4 cr
CHEM 111 General Chemistry I	3 cr	CHEM 112 General Chemistry II	3 cr
CHEM 115 General Chemistry I Lab	1 cr	CHEM 116 General Chemistry II Lab	1 cr
FYS 101 First Year Seminar	4 cr	MATH 130 Intro Statistics or MATH 241 Calc I	3-4 cr
PHIL 101 Philosophical Perspectives	3 cr	ENG 120 Writing for College	3 cr
		HLTH 110 Intro to Health Profesiions	1 cr
	15 cr		15-16 cr

SOPHOMORE YEAR

FALL		SPRING	
BIOL 312 Microbiology or BIOL 320 Genetics	4 cr	BIOL 320 Genetics or BIOL 312 Microbiology	4 cr
BIOL 201 Human Anatomy & Physiology I	4 cr	BIOL 202 Human Anatomy & Physiology II	4 cr
Core (history)	3 cr	MATH 130 or 131 (if not taking MATH 241)	3 cr
Core (technology)	3 cr	Core (PSYC 101 recommended)	3 cr
Elective credit[2]	0-1 cr	Elective credits	1 cr
	14-15 cr		15 cr

JUNIOR YEAR

FALL		SPRING	
CHEM 201 Principles Organic Chemistry[3]	3 cr	CHEM 301 Principles of Biochemistry[3]	3 cr
CHEM 202 Principles of Organic Chemistry Lab[3]	1 cr	CHEM 302 Principles of Biochemistry Lab[3]	1 cr
Upper-level BIOL	4 cr	Related Field	3 cr
Core (literature)	3 cr	PHIL 200 Ethics (or Bioethics)	3 cr
Pathway 1	4 cr	Pathway 2	3 cr
Internship	1 cr	Elective credits	3 cr
	15 cr		16 cr

SENIOR YEAR

FALL		SPRING	
Related Field	3 cr	Related Field	3 cr
BIOL 477 Biology capping	3 cr	Upper-level BIOL	3 cr
Pathway 3	3 cr	Pathway 4	3 cr
Core (Art)	3 cr	Elective credits	5 cr
Elective credits	3 cr		
	15 cr		14 cr

1 Students must earn a C or higher in BIOL 130 & 131, General Biology I & II. All 300-400 BIOL courses have as a prerequisite grades of C or higher in BIOL 130 & 131.
2 If the student selects MATH 130 and 131 instead of MATH 130 and 241, they will need to take a 1 extra elective credit over the four years.
3 Students may elect to take CHEM 211, 212, 215 & 216 Organic Chemistry I and II with companion labs. Note that a grade of C or higher in CHEM 111, 112, 115, & 116 as prerequisites for entrance into CHEM 211 & 215.

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	1 cr	
		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

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[1,2]	8 cr
BIOL 201-202 Human Anatomy & Physiology I-II OR BIOL 340 a Human Comparative Anatomy and BIOL 440 Advanced Human Physiology[3]	8 cr
BIOL 320 Genetics	4 cr
BIOL 477 Biology Capping[4]	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[5]	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[6]	15 cr	
Credit Requirement in Biomedical Sciences		66 cr

1 Students must earn a C or higher in BIOL130 & 112, General Biology I & II. All 300-400 BIOL courses have as a prerequisite grades of C or higher in both BIOL 130 & 131.

2 BIOL 131 General Biology II when taken at Marist fulfills the public presentation requirment for the Core.

3 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.

4 A Philosophy class in ehtics (PHIL 200 or PHIL 346) is a prerequisite for BIOL 477

5 Students must earn a C or higher in CHEM 111, 112, 115 & 116 General Chemistry I & II and General Chemistry Lab I & II in order to take CHEM 211 & 215 Organic Chemistry I & II.

6 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 111, 112, 115, 116 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). Students must earn a C or higher in both BIOL 130 General Biology I and BIOL 131 General Biology II and CHEM 111-112 General Chemistry I and II and CHEM 115-116 General Chemistry I and II Lab.

2.0	Course Requirements in Related Fields		
	Mathematics and Computer Science		
	CMPT 103 Technology for the 21st Century OR		
	EDUC 150 Technology for Educational Professionals, 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	4 cr	
	Credit Requirements in Related Fields		10 cr
	Total Credit Requirement for a Major in Biomedical Sciences		76 cr

* Prerequisite course needed

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** (Bioethics is 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	3 cr	
			18 cr

Pathway*	12 cr
Courses addressing an interdisciplinary topic.	
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		**SPRING**	
BIOL 130 Gen Biology I	4 cr	BIOL 131 Gen Biology II	4 cr
CHEM 111 Gen Chemistry I	3 cr	CHEM 112 Gen Chemistry II	3 cr
CHEM 115 General Chemistry I Lab	1 cr	CHEM 116 General Chemistry II Lab	1 cr
ENG 120 Writing for College	3 cr	MATH 241 Calculus I	4 cr
PHIL 101 Philosophical Perspectives	3 cr	FYS 101 First Year Seminar	4 cr
Technology course	3 cr	HLTH 110 Intro to Health Professions	1 cr
	17 cr		17 cr

SOPHOMORE YEAR

FALL		**SPRING**	
CHEM 211 Organic Chem I	3 cr	CHEM 212 Organic Chem II	3 cr
CHEM 215 Organic Chem I Lab	1 cr	CHEM 216 Organic Chem II Lab	1 cr
PHYS 201-213 College Physics I & Lab	4 cr	PHYS 202-214 College Physics II & Lab	4 cr
MATH 130 Statistics I	3 cr	Core/LS History	3 cr
Core/LS Fine Arts	3 cr	Core/LS Pathway Course #1	3 cr
		BIMS Internship	1 cr
	14 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
BIOL 201 Human Anatomy & Physiology I OR BIOL 440 Advanced Human Physiology	4 cr	BIOL 201 Human Anatomy & Physiology II OR BIOL 340 Human and Comparative Anatomy	4 cr
Core/LS Literature	3 cr	BIOL 320 Genetics OR 300-400 BIOL course w/lab	4 cr
Core/LS Pathway Course #2	3 cr	Core/LS Social Science	3 cr
BIOL 320 Genetics OR 300-400 level BIOL course w/ lab	4 cr	Core/LS Ethics/Applied/Ethics/Religious Studies (Bioethics Recommended)	3 cr
BIMS Internship	1 cr	BIMS Internship	1 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
300-400 level BIOL course w/Lab	4 cr	Biomedical Sciences Electives	4 cr
BIOL 477 Biology Capping	3 cr	Core/LS Pathway Course #4	3 cr
Biomedical Sciences Elective	3 cr	General Elective	3 cr
Core/LS Pathway Course #3	3 cr	General Elective	3 cr
		General Elective	1 cr
	13 cr		14 cr

BUSINESS ADMINISTRATION

JASON LEE, Ph.D., *Chairperson, Department of Management*
ELIZABETH F. PURINTON-JOHNSON, Ph.D.*, Chairperson, Department of Organization and the Environment*
CAROL FRIEDMAN, M.B.A.*, Chairperson, Department of Accounting, Economics and Finance*

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 (BUS 381 can be substituted)	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.

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)
- Entrepreneurship (BUS 364, BUS 423, BUS 424, BUS 425)
- 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	3 cr	
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	3 cr	
Credit Requirement in Business			39 cr
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	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	3 cr	
	Social Science	0 cr	(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**		22-23 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.

** 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:		6 cr
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 Philosopical 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. Some core/emphasis business courses are only offered in the fall or spring. Students are responsible for determining the semester in which the course is available.

FRESHMAN YEAR

FALL		**SPRING**	
FYS 101 First Year Seminar OR	4 cr	FYS 101 First Year Seminar OR	4 cr
ENG 120 Writing for College	3 cr	ENG 120 Writing for College	3 cr
BUS 100 OR PHIL 101	3 cr	BUS 100 OR Phil 101	3 cr
ECON 103 Princ. of Microeconomics*	3 cr	ECON 104 Princ. of Macroeconomics**	3 cr
MATH 115 OR MATH 130	3 cr	MATH 115 OR MATH 130	3 cr
Core/LS Distribution	3 cr	Core/LS Distribution	3 cr
	15 or 16 cr		15 or 16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
ACCT 203 Financial Accounting	3 cr	ACCT 204 Managerial Accounting	3 cr
BUS 202 Global Bus & Soc OR Elective	3 cr	BUS 202 Global Bus & Soc OR Elective	3 cr
BUS Core	3 cr	BUS Core	3 cr
Core/LS Distribution	3 cr	Core/LS Distribution	3 cr
Core/LS Distribution	3 cr	Core/LS Distribution	3 cr
	15 cr		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	3 cr
	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	3 cr
	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	3 cr
	15 cr

SPRING

BUS 477 Management Strategy	3 cr
BUS Emphasis*	3 cr
BUS Emphasis*	3 cr
Elective	2 cr
Internship/Elective	3 cr
	14 cr

Business Foundation Courses:

BUS 100 Introduction to Business
BUS 202 Global Environment of Business

Business Core Courses:

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

Business Core/LS Requirements:

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

Business Core Emphasis Introductory Courses:

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

Business Capping Course:

BUS 477 Management Strategy/Policy

* Some emphasis courses are only offered once a year. Students are responsible for determining the semester in which the course is offered.

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 a 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. John Knight, Coordinator.

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

A. Required Courses

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

B. Elective Courses 9 cr

Students must elect at least one course from each of the first two groupings, and a third from any of the three groupings:

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

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

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

Group Three (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

JOHN MORRISON GALBAITH, Pd.D., *Chairperson*

MISSION:

The mission of the Department of Chemistry, Biochemistry, & Physics is to cultivate the intellectual autonomy of students while encouraging curiosity and the development of skills to be ethical, competent, and confident chemists and constructive members of the broader scientific community.

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 that 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

- **To 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.
- **To 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.
- **To 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.
- **To Learn Research Methods:** Most of our students will learn research methods by participating in original research, working closely with a faculty member. Those who do not undertake extensive research projects nevertheless will be exposed to the techniques and methods of chemical research through laboratory work.
- **To Increase Awareness of Self:** Students will become aware of their personal learning styles so that they can develop intellectually and continue to grow intellectually.

In support of our mission and goals, research-rich, challenging curricula engage 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.

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. Students must earn a C or higher CHEM 111-112 General Chemistry I and II and CHEM 115-116 General Chemistry I and II Lab.

	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	
Credit Requirement in Related Fields			19 cr
Total Credit Requirement for a Major in Chemistry			63 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

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*	12 cr
	Courses addressing an interdisciplinary topic.	
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. Students must earn a C or higher CHEM 111-112 General Chemistry I and II, CHEM 115-116 General Chemistry I and II Lab, and BIOL 130-131 General Biology I and II.

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		
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***	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 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	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* 12 cr

Courses addressing an interdisciplinary topic.

Total Core/Liberal Studies Requirement 37 cr

4.0 Electives 10 cr

Recommended Courses

BIOL 315 Immunology
BIOL 320 Genetics
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 CHEMISTRY

Note: A minimum of 90 credits in Liberal Arts is required. Students must earn a C or higher CHEM 111-112 General Chemistry I and II and CHEM 115-116 General Chemistry I and II Lab.

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	3 cr	
	18 cr	

Pathway* 12 cr

Courses addressing an interdisciplinary topic.

Total Core/Liberal Studies Requirement	37 cr

4.0 Electives 32 cr

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. Students must earn a C or higher CHEM 111-112 General Chemistry I and II, CHEM 115-116 General Chemistry I and II Lab, and BIOL 130-131 General Biology I and II.

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 Field

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 Human and Vertebrte Comparative Anatomy		
OR BIOL 435 Plant Physiology		
OR BIOL 440 Advanced 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***	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 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	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* 12 cr
Courses addressing an interdisciplinary topic.

Total Core/Liberal Studies Requirement 37 cr

4.0 Electives 20-21 cr
Recommended Courses
BIOL 315 Immunology

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 (requires a C or higher in CHEM 111-112-115-116)	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 301 Principles of Biochemistry OR CHEM 420 Biochemistry I
Group 5: CHEM 203 Computational Chemistry

* 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		**SPRING**	
CHEM 111 General Chemistry I	3 cr	CHEM 112 General Chemistry II	3 cr
CHEM 115 General Chemistry Lab I	1 cr	CHEM 116 General Chemistry Lab II	1 cr
MATH 241 Calculus I	4 cr	MATH 210 Linear Algebra	3 cr
PHIL 101 Philosophical Perspectives	3 cr	ENG 120 Writing for College	3 cr
FYS 101 First Year Seminar	4 cr	Core/LS Pathway	3 cr
		Core/LS Pathway	3 cr
	15 cr		16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
CHEM 203 Computational Chemistry	3 cr	CHEM 212 Organic Chemistry II	3 cr
CHEM 211 Organic Chemistry I	3 cr	CHEM 216 Organic Chemistry Lab II	1 cr
CHEM 215 Organic Chemistry Lab I	1 cr	PHYS 212 General Physics II	3 cr
PHYS 211 General Physics I	3 cr	PHYS 214 Physics Lab II	1 cr
PHYS 213 Physics Lab I	1 cr	Core/LS Pathway	3 cr
MATH 242 Calculus II	4 cr	Core/LS Pathway	3 cr
	15 cr		14 cr

JUNIOR YEAR

FALL		**SPRING**	
CHEM 355 Analytical Chemistry	4 cr	CHEM 361 Thermodynamics & Kinetics	3 cr
CHEM 362 Quantum & Stat Mechanics	3 cr	CHEM 365 Expt Thermodynamics & Kinetics	1 cr
Core/LS Ethics	3 cr	CHEM 366 Expt Quantum & Stat Mechanics	1 cr
Core/LS Fine Arts	3 cr	CHEM 474 Research Methods in Chem I (Capping)	4 cr
Elective	3 cr	Core/LS History	3 cr
		Elective	2 cr
	16 cr		14 cr

SENIOR YEAR

FALL		**SPRING**	
CHEM 475 Research Methods in Chem II	2 cr	CHEM 476 Research Methods in Chem III	1 cr
CHEM Elective	3 cr	CHEM Elective	3 cr
Core/LS Literature	3 cr	Core/LS Social Science	3 cr
Elective	6 cr	Electives	9 cr
	14 cr		16 cr

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

FRESHMAN YEAR

FALL		**SPRING**	
CHEM 111 General Chemistry I	3 cr	CHEM 112 General Chemistry II	3 cr
CHEM 115 General Chemistry Lab I	1 cr	CHEM 116 General Chemistry Lab II	1 cr
BIOL 130 General Biology I	4 cr	BIOL 131 General Biology II	4 cr
MATH 241 Calculus I	4 cr	MATH 242 Calculus II	4 cr
FYS 101 First Year Seminar	4 cr	ENG 120 Writing for College	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
CHEM 203 Computational Chemistry	3 cr		
CHEM 211 Organic Chemistry I	3 cr	CHEM 212 Organic Chemistry II	3 cr
CHEM 215 Organic Chemistry Lab I	1 cr	CHEM 216 Organic Chemistry Lab II	1 cr
PHYS 211 General Physics I	3 cr	PHYS 212 General Physics II	3 cr
PHYS 213 Physics Lab I	1 cr	PHYS 214 Physics Lab II	1 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS Pathway	3 cr
		Core/LS Pathway	3 cr
		Elective	1 cr
	14 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
CHEM 355 Analytical Chemistry	4 cr	CHEM 421 Biochemistry II	3 cr
CHEM 420 Biochemistry I	3 cr	CHEM 424 Biochemistry Lab II	1 cr
CHEM 423 Biochemistry Lab I	1 cr	CHEM 474 Research Methods in Chem I (Capping)	4 cr
Core/LS Pathway	3 cr	BIOL 450 Biotechnology	4 cr
Core/LS Pathway	3 cr	Core/LS Ethics	3 cr
Elective	1 cr		
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
CHEM 362 Quantum & Stat Mechanics	3 cr	CHEM 361 Thermodynamics & Kinetics	3 cr
CHEM 475 Research Methods in Chem II	3 cr	CHEM 365 Expt Thermodynamics & Kinetics	1 cr
Core/LS Fine Arts	3 cr	CHEM 476 Research Methods in Chem III	1 cr
Core/LS History	3 cr	Core/LS Literature	3 cr
Electives	4 cr	Core/LS Social Science	3 cr
		Elective	4 cr
	15 cr		15 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN CHEMISTRY

FRESHMAN YEAR

FALL		**SPRING**	
CHEM 111 General Chemistry I	3 cr	CHEM 112 General Chemistry II	3 cr
CHEM 115 General Chemistry Lab I	1 cr	CHEM 116 General Chemistry Lab II	1 cr
MATH 241 Calculus I	4 cr	MATH 242 Calculus II	4 cr
FYS 101 First Year Seminar	4 cr	ENG 120 Writing for College	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS Pathway	3 cr
		Elective	1 cr
	15 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
CHEM 203 Computational Chemistry	3 cr	CHEM 212 Organic Chemistry II	3 cr
CHEM 211 Organic Chemistry I	3 cr	CHEM 216 Organic Chemistry Lab II	1 cr
CHEM 215 Organic Chemistry Lab I	1 cr	PHYS 212 General Physics II	3 cr
PHYS 211 General Physics I	3 cr	PHYS 214 Physics Lab II	1 cr
PHYS 213 Physics Lab I	1 cr	Core/LS Pathway	3 cr
Core/LS Pathway	3 cr	Core/LS Pathway	3 cr
		Elective	2 cr
	14 cr		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	1 cr
	14 cr

SENIOR YEAR

FALL

CHEM 420 Biochemistry I	3 cr
CHEM 423 Biochemistry I Lab	1 cr
Liberal Arts Elective	6 cr
Elective	5 cr
	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	4 cr
	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	3 cr
	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	1 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
	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	3 cr
	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	1 cr
	14 cr

SENIOR YEAR

FALL

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

SPRING

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

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 Prespectives	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 307 Social Psychology of Modern Living + Lab
PSYC 308 Human Memory and Lab
PSYC 342 Cognitive Psychology
PSYC 343 Sensation and Perception

Total Credit Requirement for a Minor in Cognitive Science 24 cr

COMMUNICATION

JOANNA D'AVANZO, B.F.A., *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
COM 419 Case Studies in Public Relations Management
Select one:
COM 347 Reputation and Relationship Management
COM 348 Intergrated Strategies, Tactics and Stakeholders

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.

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	3 cr		
Credit Requirement in Communication			48 cr	
2.0	Course Requirements in Related Fields			
	Foreign Language and/or Culture courses	6 cr		
Credit Requirement in Related Fields			6 cr	
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	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	3 cr		
			24 cr	
	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				43 cr
4.0	General Electives			23 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 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:
COM 419 Case Studies in Public Relations Management
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		**SPRING**	
FYS 101 First Year Seminar	4 cr	PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
COM 102 Introduction to Communication OR		COM 101 Public Presentations OR	
COM 101 Public Presentation	3 cr	COM 102 Introduction to Communication	3 cr
COM 103 Digital Toolbox OR		COM 103 Digital Toolbox OR	
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	16 cr		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
	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	1 cr
	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	3 cr
	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	1 cr
	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	3 cr
	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
	15 cr

DUAL DEGREE: B.A. COMMUNICATION / M.A. INTEGRATED MARKETING COMMUNICATION

SUBIR SENGUPTA, Ph.D., *Program Director*

ABOUT THE PROGRAM

Marist's dual-degree program is designed for students pursuing a B.A. in Communication with dual concentrations in Advertising and Public Relations (PR). While the undergraduate curriculum focuses both on the theory and practice of Advertising and Public Relations, the M.A. in Integrated Marketing Communication (IMC) curriculum provides students a management perspective. IMC, in practice, comprehensively addresses the strategic consistency across the functions of advertising, brand management, corporate communication, marketing, public relations and sales for the purpose of developing and maintaining long-term relationships with target audiences before, during and after the delivery of products and services.

The dual-degree program is ideal for those who wish to move into a leadership position in the fields of advertising, brand management, marketing, public relations, strategic communication or sales.

CURRICULUM

The 120-credit, four-year B.A. in Communication curriculum is based on a strong foundation of core liberal arts and communication studies courses. Advertising and PR are both 18-credit concentrations offered within the B.A. in Communication major. Both concentrations offer a mix of theoretical and hands-on courses that prepare students for entry-level positions in the field. The 30-credit hour Master of Arts graduate degree program in IMC provides students with a cross-disciplinary educational experience that mirrors workplace dynamics in the once "siloed" fields of advertising, brand management, corporate communication, marketing, public relations, strategic communication and sales. Students will learn to strategically approach and develop IMC plans aimed at successfully engaging diverse and global audiences.

Of the 30-credit M.A. in IMC curriculum, students will take four graduate courses (12 credits) as an undergraduate during the junior and senior years of study. The remaining six graduate courses (18 credits) will be taken during the fifth year of study to complete the M.A. in IMC requirements. The four graduate courses that students will take as an undergraduate will substitute for four specific, three-credit, undergraduate course requirements.

FORMAT

In addition to the required undergraduate classes, students will enroll in one graduate course in the spring semester of their junior year, one in the fall semester of senior year, and two courses in the spring semester of their senior year. These four graduate courses will substitute for four specific undergraduate courses. On satisfactory completion of all undergraduate course requirements, students should be able to earn their B.A. in Communication degree at the end of their fourth year. In the fifth year, students will enroll in two graduate courses in the fall, two in the spring, and two in the summer. Students should be able to complete the dual-degree program, B.A. in Communication and M.A. in IMC, in the summer semester of their fifth year. It is important to note that while undergraduate classes are generally offered on-the-ground, all graduate-level courses are offered only in an online format. Furthermore, all graduate courses are offered in 8-week segments called rounds (R).

Note: If planned properly, students should not have to complete more than 138 credits (120 crs. in four years and 18 crs. in their fifth year, or 108 undergraduate credits and 30 graduate credits) to obtain both degrees.

ADMISSION REQUIREMENTS

- Declared Communication major
- Declared dual concentration in Advertising and Public Relations
- Cumulative GPA of 3.0 overall
- Cumulative GPA of 3.2 in the major
- Completed application form
- Current resume
- Three letters of recommendation
- A personal statement outlining how the five-year program will help the applicant's career goals

APPLICATION DEADLINES

November 15 of the applicant's Junior year. Review of applications received after the deadline cannot be guaranteed.

REQUIREMENTS FOR DEGREE COMPLETION

The B.A. in Communication requires the successful completion of courses totaling a minimum of 120 credits, with a minimum of 30 credits completed at Marist, a minimum 2.0 cumulative GPA, the specified coursework for the student's major field, and a minimum 2.0 GPA in the student's major field. The M.A. in IMC is a 30-credit program; 12 credits will be completed as an undergraduate, and 18-credits as a graduate student in the fifth year. Students must maintain a 3.0 cumulative GPA, and a "C" or better in all required graduate courses in order to graduate.

SUMMARY OF REQUIREMENTS FOR A BACHELOR OF ARTS IN COMMUNICATION

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

1.0	Undergraduate Course Requirements in Communication			
	Foundation Courses:	15 cr		
	COM 101 Public Presentation			
	COM 102 Introduction to Communication			
	COM 103 Digital Toolbox			
	COM 200 Communication Research: Strategies & Methods			
	COM 401 Communication Capping			
	Concentration Courses	27 cr		
	COM 211 Fundamentals of Public Relations Theory & Practice			
	COM 212 Public Relations Writing Tools			
	COM 220 Principles of Strategic Advertising			
	COM 314 Media Strategy			
	COM 324 Research & Consumer Insight			
	COM 329 Creative Problem Solving			
	COM 333 Applied Research & Analytics			
	COM 418 Communication Campaign Management			
	COM 422 Case Studies in Integrated Communication			
Credit Requirement in Communication			42 cr	
2.0	Course Requirements in Related Fields			
	Foreign Language and/or Culture courses	6 cr		
Credit Requirement in Related Fields			6 cr	
3.0	Graduate Courses taken at the Undergraduate Level			
	COMI 500 Principles of IMC	3 cr		
	COMI 505 PR Management	3 cr		
	COMI 600 Advertising Management	3 cr		
	COMI 605 Brand Management	3 cr		
Total Graduate Courses Taken at the Undergraduate Level			12 cr	
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	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	3 cr		
		24 cr	
Pathway*		12 cr	
Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement			43 cr
4.0 General Electives			17 cr
Total Credit Requirement for Graduation (B.A. in Communication)			120 cr
5.0 Fifth Year Graduate Courses			
COMI 610 Social Media Strategies & Tactics	3 cr		
COMI 615 Global Consumer Insights	3 cr		
COMI 700 IMC Capstone	3 cr		
MBA 525 Marketing Foundation	3 cr		
MBA 535 Analytical Tools for Decision Making	3 cr		
MBA 605 Marketing Research	3 cr		
			18 cr
Total Credit Requirement for Graduation (B.A. Communication & M.A. IMC)			138 cr

RECOMMENDED PROGRAM SEQUENCE FOR DUAL DEGREE B.A. COMMUNICATION / M.A. INTEGRATED MARKETING

FRESHMAN YEAR

FALL		**SPRING**	
FYS 101 First Year Seminar	4 cr	PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
COM 102 Introduction to Communication	3 cr	COM 101 Public Presentations	3 cr
COM 103 Digital Toolbox	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
COM 200 Comm Research	3 cr	COM 324 Research & Consumer Insights	3 cr
COM 220 Prin Strategic Advtg	3 cr	Pathway	3 cr
Core/LS	3 cr	Pathway	3 cr
Core/LS	3 cr	Pathway	3 cr
Pathway	3 cr	Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
COM 211 Fundamentals of PR	3 cr	COM 333 Applied Research & Analytics	3 cr
COM 212 PR Writing Tools	3 cr	COMI 500 Principles of IMC	3 cr
COM 314 Media Strategy	3 cr	Foreign Language/Culture	3 cr
COM 329 Creative Problem Solving	3 cr	Core/LS	3 cr
Foreign Language/Culture	3 cr	Core/LS	3 cr
Elective	1 cr	Elective	1 cr
	16 cr		16 cr

SENIOR YEAR

FALL		**SPRING**	
COM 418 Com Campaign Mgmnt	3 cr	COM 401 Capping	3 cr
COM 422 Case Studies	3 cr	COMI 505 PR Mgmnt (R1)	3 cr
COMI 605 Brand Mgmnt (R2)	3 cr	COMI 600 Advertising Mgmnt (R2)	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr		
	15 cr		12 cr

YEAR 5

FALL

COMI 610 Social Media Stategies (R1)	3 cr
MBA 525 Marketing Foundations (R2)	3 cr
	6 cr

SPRING

COMI 615 Global Consumer Inisights (R1)	3 cr
MBA 535 Analytical Tools for Decision Making (R2)	3 cr
	6 cr

YEAR 5

SUMMER

MBA 605 Marketing Research (R1)	3 cr
COMI 700 IMC Capstone (R2)	3 cr
	6 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		
	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]	11 cr	
	CMPT 475 CS Project I	3 cr	
	CMPT 476 CS Project II	1 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 205 Discrete Mathematics	4 cr	
			14 cr
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

1 Concentration electives for software development are: System Elective (4 credits)—choice of either CMPT 424 Operating Systems or CMPT 432 Design of Compilers; Language Elective (3 credits)—Choice of either CMPT 331 Theory of Programming Language or CMPT 440 Formal Language and Computability; Third Required Elective (3 credits)—choice of approved upper-level CMPT courses including CMPT 331, CMPT 333, CMPT 335, CMPT 404, CMPT 412, CMPT 414, CMPT 415, CMPT 424, CMPT 425, CMPT 432, CMPT 440, CMPT 446, and CMPT 467

3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics (CMPT 305 Technology, Ethics, and Society recommended)	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*		12 cr
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			40 cr
4.0	Electives (and/or 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.

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

FRESHMAN YEAR

FALL		**SPRING**	
CMPT 120 Introduction to Programming	4 cr	CMPT 220 Software Development I	4 cr
MATH 130 Introduction to Statistics	3 cr	CMPT 230 Software Systems and Analysis	4 cr
BUS 100 Intro to Business and Management	3 cr	MATH 205 Discrete Mathematics	4 cr
ENG 120 Writing for College	3 cr	FYS 101 First-Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr		
	16 cr		16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
CMPT 306 Data Communications and Networks	4 cr	MATH 241 Calculus I	4 cr
CMPT 221 Software Development II	4 cr	CMPT 307 Internetworking	4 cr
CMPT 308 Database Management	4 cr	CMPT 330 System Design	4 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
CMPT 422 Computer Org. & Architecture	4 cr	CMPT 435 Algorithm Analysis and Design	4 cr
Concentration elective	4 cr	Concentration elective	3 cr
CMPT 305 Technology, Ethics, and Society	3 cr	Core/general elective	8 cr
Core/LS	4 cr		
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
CMPT 475 CS Project I	3 cr		
CMPT 476 CS Project II	1 cr	Concentration elective	4 cr
Core/LS	6 cr	Core/LS	3 cr
Elective/Internship	6 cr	Elective/Internship	5 cr
	16 cr		12 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		
			17 cr	
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			
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 recommended)	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)			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.

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).

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

FRESHMAN YEAR

FALL		**SPRING**	
CMPT 120 Introduction to Programming	4 cr	CMPT 220 Software Development I	4 cr
MATH 130 Introduction to Statistics	3 cr	CMPT 230 Software Systems and Analysis	4 cr
BUS 100 Intro to Business and Management	3 cr	MATH 205 Discrete Mathematics	4 cr
ENG 120 Writing for College	3 cr	FYS 101 First-Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr		
	16 cr		16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
CMPT 306 Data Communications and Networks	4 cr	MATH 241 Calculus I	4 cr
CMPT 221 Software Development II	4 cr	CMPT 307 Internetworking	4 cr
CMPT 308 Database Management	4 cr	CMPT 330 System Design	4 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
CMPT 422 Computer Org. & Architecture	4 cr	CMPT 435 Algorithm Analysis & Design	4 cr
Concentration elective	4 cr	Concentration elective	3-4 cr
PHYS 211 General Physics I	3 cr	Core/electives	7-8 cr
Core/LS	3 cr		
	14 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
CMPT 305 Technology, Ethics, and Society	3 cr	Concentration elective	4 cr
CMPT 475 CS Project I	3 cr	Core/Electives/Internship	9 cr
CMPT 476 CS Project II	1 cr		
Core/LS	9 cr		
	16 cr		13 cr

REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE

CMPT 120L Introduction to Programming	4 cr
CMPT 220L Software Development I	4 cr
CMPT 221L Software Development II	4 cr
MATH 205 Discrete Mathematics	4 cr
Two approved upper-level CMPT courses	6–8 cr
Total Credit Requirement for a Minor in Computer Science	22–24 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 an 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 205 Discrete Mathematics	4 cr		
			14 cr	
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 recommended)	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		
			18 cr	
	Pathway*		12 cr	
	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			12 cr	
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 1	4 cr

Mobile Computin

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		**SPRING**	
CMPT 120 Introduction to Programming	4 cr	CMPT 220 Software Development I	4 cr
MATH 130 Introduction to Statistics	3 cr	CMPT 230 Software Systems and Analysis	4 cr
BUS 100 Introduction to Business & Management	3 cr	MATH 205 Discrete Mathematics	4 cr
ENG 120 Writing for College	3 cr	FYS 101 First-Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr		
	16 cr		16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
CMPT 306 Data Communication and Networks	4 cr	MATH 241 Calculus 1	4 cr
CMPT 221 Software Development II	4 cr	CMPT 307 Internetworking	4 cr
CMPT 308 Database Management	4 cr	CMPT 330 System Design	4 cr
Core Fine Arts	3 cr	Core History	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
CMPT 422 Computer Organization	4 cr	CMPT 435 Algorithm Analysis and Design	3 cr
CMPT 305 Technology, Ethics, and Society	3 cr	Concentration Elective	4 cr
Concentration Elective	4 cr	Concentration Elective	3 cr
Core Literature	3 cr	Core Social Science	3 cr
		Core Science	3 cr
	14 cr		16 cr

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

SENIOR YEAR

FALL		**SPRING**	
MSCS 510 Software Design and Development	4 cr	MSCS 542 Database Management Systems	4 cr
Concentration Elective	4 cr	Core Pathway	6 cr
Core Pathway	6 cr	Track I	4 cr
	14 cr		14 cr

FIFTH YEAR

FALL		**SPRING**	
MSCS 630 Security Protocols	4 cr	MSCS 710 Project	4 cr
MSCS Grad Elective	4 cr	MSCS Grad Elective	4 cr
Track 2 course	4 cr	MSCS Grad Elective	4 cr
	12 cr		12 cr

CRIMINAL JUSTICE

ADDRAIN CONYERS, 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 including but not limited to:
- CRJU 206 Criminal and Scientific Investigation
- CRJU 210 Cyber Crimes
- 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

9 cr

Credit Requirement in Criminal Justice — 42 cr

2.0 Course Requirements in Related Fields
- MATH 130 Introductory Statistics I*

3 cr

Credit Requirement in Related Fields — 3 cr

* 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 — 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		
	Natural Science	3 cr		
	Social Science	3 cr		
			21 cr	
	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives			35 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 CRIMINAL JUSTICE

FRESHMAN YEAR

FALL		**SPRING**	
FYS 101 First Year Seminar	4 cr	CRJU 202 Criminology	3 cr
PHIL 101 Philosophical Perspectives	3 cr	CRJU 230 Policing in America	3 cr
ENGL 120 Writing for College	3 cr	Core/LS Fine Arts	3 cr
CRUJ 101 Intro to Criminal Justice	3 cr	Core/ LS Literature	3 cr
Core/LS History	3 cr	Elective	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
CRJU 302 Criminal Courts	3 cr	CRJU 306 Crim Law & Proc	3 cr
CRJU 235 Corrections & Penology	3 cr	CRJU Elective	3 cr
Elective	3 cr	MATH 130 Intro To Statistics	3 cr
Elective	1 cr	Elective	3 cr
Core/LS Science	3 cr	Core/LS Pathway	3 cr
Core/LS Pathway	3 cr		
	16 cr		15 cr

JUNIOR YEAR

FALL		**SPRING (Study Abroad)**	
CRJU 305 Juv Justice & Del	3 cr	CRJU 314 Race and Culture OR	
CRJU Elective	3 cr	CRJU 440 Cross Cult CJ Systems	3 cr
CRJU 496 Internship	3 cr	Core/LS Pathway	3 cr
Core/LS Pathway	3 cr	Core/LS Social Science	3 cr
Elective	3 cr	Elective	3 cr
		Elective	1 cr
	15 cr		13 cr

SENIOR YEAR

FALL		**SPRING**	
CRJU Elective	3 cr	CRJU 477 Capping	3 cr
CRJU 374 Research Methods	3 cr	Elective	3 cr
Core/LS Applied Ethics	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		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 (Excluding CRJU 496-499 Internship)	6 cr
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.

CYBERSECURITY

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

MISSION:
Marist's Department of Computing Technology's degree program in cybersecurity prepares students for lifelong careers in the study, design, development, and implementation of hardware, software, and software systems related to computer security. After completing this program, a student will:

- have received instruction in the theoretical foundations of cybersecurity, which will form a structure for specific skills that will be built throughout an individual's career
- have been introduced to current cybersecurity technologies and tools
- become 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 use of cybersecurity technology

The Department of Computing Technology is committed to providing its students with a broad range of opportunities both on and off the Marist campus, including internships in the business community that provide many students with experience in their chosen fields. The major in cybersecurity is designed to provide students with a broad background in many aspects of computer security. This foundation is then supplemented by advanced courses that are selected by the students to correspond with their personal and career interests.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN CYBERSECURITY

1.0	Course requirements in Cybersecurity		
	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 421 Computer Forensics	4 cr	
	CMPT 416 Introduction to Cybersecurity	4 cr	
	CMPT 417 Hacking and Penetration Testing	3 cr	
	CMPT 479 Cybersecurity Project (Capping)	4 cr	
	Two Cybersecurity technical electives chosen from CMPT 436 Crytography CMPT 419 Network Security CMPT 423 Network Visualizaiton CMPT 418 Mobile Security CMPT 360 Secure Database Design	8 cr	
Credit Requirements in Cybersecurity		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	
Credit Requirements in Related Fields			14 cr
Total Credit Requirements for a Major in Cybersecurity			69 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			
	Philosophical Perspectives	3 cr		
	Ethics: CMPT 305 Technology, Ethics, and Society	3 cr		
	Science	3 cr		
	Mathematics	0 cr	(fullfilled by major field req.)	
	Literature	3 cr		
	Fine Arts	3 cr		
	History	3 cr		
	Social Science	3 cr		
	Pathway*	12 cr		
			33 cr	
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives (and/or Internship)			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, 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 CYBERSECURITY

FRESHMAN YEAR

FALL		**SPRING**	
CMPT 120 Introduction to Programming	4 cr	CMPT 220 Software Development I	4 cr
MATH 130 Introduction to Statistics	3 cr	CMPT 230 Software Systems and Analysis	4 cr
BUS 100 Intro to Business and Management	3 cr	MATH 205 Discrete Mathematics	4 cr
ENG 120 Writing for College	3 cr	FYS 101 First-Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr		16 cr
	16 cr		

SOPHOMORE YEAR

FALL		**SPRING**	
CMPT 221 Software Development II	4 cr	MATH 241 Calculus I	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
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
CMPT 305 Technology, Ethics & Society	3 cr	CMPT Upper Level Cybersecurity Elective	4 cr
CMPT 416 Introduction to Cybersecurity	4 cr	CMPT 417 Hacking/Pen Testing	3 cr
CMPT 421 Computer Forensics	4 cr	Core/LS	8 cr
Core/LS	3 cr		
General Elective	1 cr		15 cr
	15 cr		

SENIOR YEAR

FALL		**SPRING**	
CMPT 479 Cybersecurity Project (Capping)	4 cr	CMPT Upper Level Technical CybersecurityElective	4 cr
Core/LS	6 cr	Core/LS	6 cr
General Elective/Internship	3 cr	General Elective/Internship	5 cr
	13 cr		15 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 CYBERSECURITY

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

CYBERSECURITY CERTIFICATE

The Cybersecurity Certificate program consists of three online courses, all of which offer hands-on experience in a cloud-based virtual lab environment. Students will be able to practice common hacks and defense strategies, and learn how to scan websites and cloud environments for security vulnerabilities. Practical examples of recent security breaches will be discussed to illustrate applications of the course materials. Course materials were designed to cover requirements from the NSA, Department of Homeland Security, Department of Defense, and CISSP, among others.

Admission Requirements: HS diploma or equivalency. Recommended prerequisites include familiarity with introductory programming principles and data networking; there are no specific computer language requirements.

Requirements and Sequencing:
Students must pass each course with a "C" or better to attain certificates.

CMPT 416 Introduction to Cybersecurity	4 cr	
CMPT 417 Hacking and Penetration Testing	3 cr	
CMPT 418 Mobile Security	4 cr	
		11 cr

DATA SCIENCE AND ANALYTICS

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	0 cr	
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		12 cr
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	4 cr	ENG 120 Writing for College	3 cr
	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	3 cr	Core/LS	3 cr
	15 cr		14 cr

JUNIOR YEAR

FALL		**SPRING**	
MATH 330 Probability & Statistics	3 cr	DATA 450 Data Mining & Predictive Analytics	3 cr
Major elective	3-4 cr	MATH 331 Applied Statistics	3 cr
Core/LS	3 cr	Major Elective	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15-16 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
DATA 440 Machine Learning	4 cr	DATA 477 Data Science Project (caps)	3 cr
CMPT 428 Data & Information Mgmt	4 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Elective/Internship	4 cr	Elective/ Internship	7-6 cr
	15 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	3 cr
Total Credit Requirement for a Minor in Data Science	18 cr

ECONOMICS

CAROL FRIEDMAN, M.B.A., *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

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	3 cr		
Credit Requirement in Economics			30 cr	
2.0	Course Requirements in Related Field			
	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		
Credit Requirement in Related Fields			9-10 cr	
Total Credit Requirement for a Major in Economics				39-40 cr
3.0	Core/Liberal Studies Requirements			
3.1	FOUNDATION			
	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	3 cr		
	Social Science	0 cr	(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			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	3-4 cr	
		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:	6 cr	
ECON 305 Environmental Economics		
ECON 310 Labor Economics		
ECON 315 Money and Banking		
ECON 320 Quantitative Methods in Economics and Business		
ECON 321 Public Finance		
ECON 340 Economic Development: Towards Global Equality		
ECON 422 Financial Markets and Industries		
ECON 432 International Financial Policies and Issues		
ECON 442 International Economics		
ECON 443 History of Economic Thought		
		12 cr
Total Credit Requirement for a Minor in Economics		24-25 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ECONOMICS

FRESHMAN YEAR

FALL		**SPRING**	
FYS 101 First Year Seminar	4 cr	PHIL 101 Philosophical Perspectives	3 cr
ENG 120 Writing for College	3 cr	ECON 104 Principles of Macroeconomics	3 cr
ECON 103 Principles of Microeconomics	3 cr	MATH 241 Calculus I OR MATH 115 Calculus/Mgmt Applications	3-4 cr
CMPT 103 Technology for 21st Century	3 cr	Core/LS Distribution	3 cr
MATH 120 Precalculus OR Elective	3 cr	Elective	3 cr
	16 cr		15-16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
ECON 303 Intermediate Microeconomics	3 cr	ECON 304 Intermediate Macroeconomics	3 cr
MATH 130 Introductory Statistics	3 cr	Core/LS Distribution	3 cr
Core/LS Distribution	3 cr	Core/LS Distribution	3 cr
Core/LS Distribution	3 cr	Elective (liberal arts)	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
Economics Elective	3 cr	Economics Elective	3 cr
Core/LS Distribution	3 cr	Economics Elective	3 cr
Core/LS Distribution	3 cr	Elective (liberal arts)	3 cr
Elective (liberal arts)	3 cr	Elective (liberal arts)	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
Economics Elective	3 cr	ECON 477 Contemporary Economic Issues	3 cr
Economics Elective	3 cr	Core/LS Distribution	3 cr
Core/LS Distribution	3 cr	Elective (liberal arts)	3 cr
Elective (liberal arts)	3 cr	Elective (liberal arts)	3 cr
Elective	3 cr	Elective	2 cr
	15 cr		14 cr

Some core/emphasis economics courses are only offered in the fall or spring. Students are responsible for determining the semester in which the course is available.

EDUCATION

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

MISSION:
Preparing innovative, inclusive educators who promote success and the social good.

The teacher education programs are designed to develop professionals committed to help all students learn. 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 and registered in New York State as an approved provider of teacher preparation programs.

Childhood Education, grades 1-6, with Special Education Certification (dual certification). 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.

Birth through Grade 2 (B-2): This is an elective program for Childhood Education/Students with Disabilities candidates. The B-2 program is three sequential courses that prepares candidates for eligibility for New York State B-2 certification as a teacher in pre-school, kindergarten, or the primary grades. The B-2 program also enhances the preparation of those seeking certification in Childhood Education/Students with Disabilities by focusing on early childhood education.

NOTE: The total number of credits may exceed the minimum of 120 undergraduate credits needed for graduation because it adds a complementary certification to the base program of Childhood/Students with Disabilities certification (both grades 1-6). The Birth through Grade 2 certification courses work well for the candidate who has room in their schedule that may be available through credits brought into Marist. The Birth through Grade 2 certification is for general education only and is not certification for Students with Disabilities, B-2.

Certain candidates may also choose to seek acceptance into the Five Year BS/MA Program, resulting in dual certification in Childhood Education, grades 1-6, with Special Education Certification and the MA in Educational Psychology. Contact the Director of Graduate Education Programs for information.

Adolescence Education (grades 7-12): This is a Five Year program combining the Bachelor's degree and a Master of Arts in Teaching. This program leads to dual New York State Initial Teaching Certification in an Adolescence Education content field (Biology, Chemistry, English, French, Mathematics, Social Studies/History, or Spanish) along with Students with Disabilities, both grades 7-12. Candidates achieve their Bachelor's degree (BA or BS) in their content field. In addition, candidates complete required undergraduate education courses and 12 credits of graduate level education courses as part of the undergraduate program.

The remaining 24 credits of the Master's program are taken in the following sequence: 6 credits of graduate work through a hybrid delivery system in the summer following undergraduate graduation, 12 credits in an on-ground setting for the fall semester, and 6 credits of full-time student teaching the following spring. Candidates must achieve a 3.0 GPA in each of their education courses at both the undergraduate and graduate levels. Candidates are accepted into the Five Year program upon being admitted to Marist. There is a formal review of their standing for the MAT Program in spring of their junior year.

The MAT (Masters of Arts in Teaching) is a 36-credit program.

To meet the requirements for initial certification in New York State, all teaching candidates must pass New York State qualifying assessments, successfully complete required workshops, (Dignity for All Students Act, Violence Education, Child Abuse, Autism) and also meet a foreign-language requirement.

BACHELOR OF SCIENCE IN CHILDHOOD EDUCATION 1-6, WITH SPECIAL EDUCATION CERTIFICATION

ADMISSION TO THE PROGRAM

Those interested in this program register with the Education Department in the first semester of their first 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 Childhood Education, grades 1-6 with Special Education Certification; and 3) Core/Liberal Studies requirements. Upon completion of these courses and the certification requirements described previously, the candidate earns a BS 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, and completion of required workshops, will be recommended for New York State Initial Certification in Childhood Education, grades 1-6, with Sprecial Education Certification.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN CHILDHOOD EDUCATION 1-6, WITH SPECIAL EDUCATION CERTIFICATION

1.0 Course Requirements in Content Core (or Major)*

PSYC 101 Introduction to Psychology*	3 cr	
PSYC 207 The Exceptional Child*	3 cr	
PSYC 317 Child Development*	3 cr	
PSYC 362 Measurement and Evaluation*	3 cr	
PSYC 372 Psychoeducational Assessment of Educational Disabilities*	3 cr	
PSYC 350 Psychological Research Methodology and Lab I	4 cr	
PSYC 478 Capping Course/Psychological Systems	3 cr	
EDUC 101 Foundations of Education*	3 cr	
EDUC 377 Social & Emotional Learning Approach to Classroom Management for all students	3 cr	
MATH 130 Introductory Statistics	3 cr	
Credit Requirement in Content Core (of Major)		31 cr

* These courses require a grade of C+ or better.

2.0 Required Courses in Certification Sequence:*

EDUC 102 Introduction to Teaching (taken during first year)	1 cr	
EDUC 150 Technology for Educational Professionals Or EDUC 180 Mathematical Concepts & Understanding for Elementary Students OR MATH 180 Mathematical Concepts for Elementary School Teachers	3 cr	
EDUC 115 Teaching English Language Learners	1 cr	
EDUC 323 STEM I for Elementary Teaching: Science, Technology, Engineering, and Mathematics for General and Special Education	3 cr	
EDUC 324 STEM II for Elementary Teaching: Science, Technology, Engineering, and Mathematics for General and Special Education	3 cr	
EDUC 350 The Teaching of Language Arts: Processes and Strategies for General and Special Education	3 cr	
EDUC 351 Literacy Learning & the Arts in the Social Studies Curriculum	3 cr	
EDUC 352 Assessment and Remediation of Reading and Writing	3 cr	
EDUC 373 Principles of Instruction for Students with Disabilities	3 cr	
EDUC 374 Curriculum Strategies for Students with Disabilities	3 cr	
EDUC 460 Educational Seminar	1 cr	
EDUC 462 Student Teaching	12 cr	
Other Field Requirements		
HIST 218 History and Culture of the Mid-Hudson Valley OR HIST 220 New York: The Empire State (Certification Requirement)	3 cr	
SOC 150 Culture, Power and Education OR EDUC 379 Culturally Responsive Education OR equivalent	3 cr	
Foreign Language **	3-6 cr	

* With the exception of EDUC 102, EDUC 460 and EDUC 462 (P/F grades), SOC 150/EDUC 379, 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 48-51 cr

Total Credit Requirement for a Major in Psychology with Dual Education Certification 79-82 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	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	0 cr	(fulfilled by major field req.)
Literature	3 cr	
Mathematics	0 cr	(fulfilled by major field req.)
Natural Science	3 cr	
Social Science	0 cr	(fulfilled by major field req.)
	15 cr	
Pathway*	12 cr	
Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement		34 cr
4.0 Electives		4-7 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 PSYCHOLOGY MAJORS PURSUING DUAL CERTIFICATION (CHILDHOOD EDUCATION GRADES 1-6 AND STUDENTS WITH DISABILITIES)

OPTION I –NOT GOING ABROAD

FIRST YEAR

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
PSYC 101 Intro to Psychology	3 cr
	16 cr

SPRING

HIST 218 Hist & Cult Hudson Valley OR HIST 220 The Empire State (Core: History)	3 cr
Core/LS (Science)	3 cr
EDUC 102 Intro to Teaching	1 cr
EDUC 180 Concepts in Elem. Math	3 cr
PSYC 207 Exceptional Child	3 cr
PSYC 317 Child Development	3 cr
	16 cr

SOPHOMORE YEAR

FALL

EDUC 150 Technology for Educational Profesionals	3 cr
Core/LS/Pathway (Literature)	3 cr
Foreign Language #1	3 cr
Core/LS/Pathway	3 cr
MATH 130 Intro to Statistics	3 cr
	15 cr

SPRING

EDUC 350 Teach of Lang Arts	3 cr
PSYC 350 Research Methods	4 cr
PSYC 372 Psychoeducational Assessment	3 cr
EDUC 379 Culturally Responsive Ed OR equivalent	3 cr
Foreign Language #2	3 cr
	16 cr

JUNIOR YEAR

FALL

EDUC 351 Lit, Lrn & Art in Social Studies	3 cr
EDUC 323 STEM I	3 cr
EDUC 324 STEM II	3 cr
EDUC 373 Princ Inst Stu w/ Disabilities	3 cr
EDUC XXX Teaching English Language Learners	1 cr
Pathway	3 cr
	16 cr

SPRING

EDUC 352 Assess & Rem of Reading & Writ	3 cr
EDUC 374 Curric Srtat Stu. w/ Disabilities	3 cr
EDUC 377 Social & Emotional Learning Approach	3 cr
Core/LS Pathway	3 cr
PSYC 362 Measurement & Evaluation	3 cr
EDUC 460 Educational Seminar	1 cr
	16 cr

SENIOR YEAR

FALL

EDUC 462 Student Teaching	12 cr
	12 cr

SPRING

PSYC 478 Capping	3 cr
Core/LS (Ethics or Religious Studies)	3 cr
Core/LS (Fine Arts)	3 cr
Elective	1 cr
Core/LS/Pathway	3 cr
	13 cr

OPTION II –GOING ABROAD

FIRST YEAR

FALL

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120L Writing for College	3 cr
EDUC 101 Foundations of Education	3 cr
PSYC 101 Intro to Psychology	3 cr
	16 cr

SPRING

EDUC 150 Technology for Educational Professionals	3 cr
HIST 218 Hist & Cult Hudson Valley OR HIST 220 The Empire State (Core: History)	3 cr
MATH 130 Intro to Statistics	3 cr
PSYC 207 Exceptional Child	3 cr
PSYC 317 Child Development	3 cr
EDUC 102 Intro to Teaching	1 cr
	16 cr

SOPHOMORE YEAR

FALL

EDUC 180 Concepts in Elem Math OR MATH XXX Math Concepts	3 cr
PSYC 350 Research Methods	4 cr
Core/LS/Pathway	3 cr
Foreign Language #1	3 cr
Elective	1 cr
	14 cr

SPRING

Foreign Language #2	3 cr
EDUC 379 Culturally Responsive Education OR equivalent	3 cr
Core/LS (Fine Arts)	3 cr
Core/LS (Ethics or Religious Studies)	3 cr
Core/LS(/Pathway	3 cr
	15 cr

JUNIOR YEAR

FALL

EDUC 350 Teach of Lang Arts	3 cr
PSYC 362 Measurement & Evaluation	3 cr
PSYC 372 Psychoeducational Assessment	3 cr
Core/LS/Pathway (Science #2)	3 cr
Core/LS/Pathway (Literature #2)	3 cr
	15 cr

SPRING

EDUC 323 STEM I	3 cr
EDUC 324 STEM II	3 cr
EDUC 351 Lit, Lrn & Art in Social Studies	3 cr
EDUC 373 Princ Inst Stu w/ Disabilities	3 cr
Core/Pathway	3 cr
EDUC XXX Teaching English Language Learners	1 cr
	16 cr

SENIOR YEAR

FALL

EDUC 352 Assess & Remed of Read/Writing	3 cr
EDUC 374 Curric Strat Stu w/ Disabilities	3 cr
EDUC 377 Social & Emotional Learning Approach	3 cr
PSYC 478 Capping Course	3 cr
EDUC 460 Educational Seminar	1 cr
Core/Pathway, as needed	3 cr
	16 cr

SPRING

EDUC 462 Student Teaching	12 cr
	12 cr

BIRTH THROUGH GRADE 2 ELECTIVE PROGRAM – INITIAL CERTIFICATION, B-2

***Birth through Grade 2 (B-2)*:** This is an elective program for Childhood Education/Students with Disabilities candidates. The B-2 program is three sequential courses that prepares candidates for eligibility for New York State B-2 certification as a teacher in pre-school, kindergarten, or the primary grades. The B-2 program also enhances the preparation of those seeking certification in Childhood Education grades 1-6, with Special Education Certification focusing on early childhood education.

This elective certification program consists of three sequential courses. Candidates usually begin to take these courses after their first year. The courses are:

- EDUC 340 Introduction to Early Childhood Education*** (course offered only in the fall semester)
- EDUC 341 Developmentally Appropriate Practice in Early Childhood Education*** (course offered only in the Spring semester)
- EDUC 440 Early Childhood Education (Birth through Grade 2) Student Teaching (course offered in the Spring semester and includes 20 days of student teaching that begins upon the completion of Final Exam Week)

***With the exception of Student Teaching (P/F), a grade of C+ or higher is required in the other two courses.

Candidates seeking Birth through Grade 2 certification must successfully achieve a qualifying score on the New York State Content Specialty Test for Early Childhood.

Candidates pursuing the B-2 certification program must be registered in the Childhood Education grades 1-6, with Special Education Certification.

5 YEAR B.A. – B.S. /MAT (MASTER OF ARTS IN TEACHING) PROGRAM FOR DUAL CERTIFICATION IN ADOLESCENCE EDUCATION (GRADES 7-12)

For highly motivated future teachers, this program leads to dual New York State Initial Teaching Certification in an Adolescence Education content field (Biology, Chemistry, English, French, Mathematics, Social Studies/History, or Spanish) along with Students with Disabilities, both grades 7-12. Candidates achieve their Bachelor's Degree (BA or BS) in their content field and become eligible for teaching certification by completing pedagogical coursework and student teaching at the Masters' level.

Candidates begin their 36 credit MAT (Masters of Arts in Teaching) program during their undergraduate senior year by taking 12 credits. The remaining 24 credits of the Master's program are taken in the following sequence: 6 credits of graduate work through a hybrid delivery system in the summer following undergraduate graduation, 12 credits in an on-ground setting for the fall semester, and 6 credits of full-time student teaching the following spring. A candidate's undergraduate performance is formally reviewed for the MAT program in spring of their junior year.

The Five Year BA – BS/ MAT program is a cohort-based program and is structured for candidates who graduate with their B.A. or B. S. degree in spring.

The Education Department at Marist College is accredited and registered in New York State as an approved teacher preparation program.

ACCEPTANCE TO THE PROGRAM

Those seeking Adolescence Education teaching certification in an academic major content field are assigned an education advisor as well as a content faculty advisor. The candidate is to meet with both advisors to design their program of study and ensure that they will meet the requirements for Formal Review of Progress in their junior year, based on the following minimum guidelines:

- Complete an application form
- Have a minimum overall 3.0 GPA for undergraduate studies prior to taking the MAT courses
- Submit two recommendations from faculty that are familiar with the academic performance and personality of applicant
- Submit Graduate Record Exam (GRE) score for review prior to full-time graduate studies, if New York requires.

PROGRAM REQUIREMENTS

A candidate must maintain a minimum overall GPA of 3.0 and no more than one grade of C+ in education courses. If at any time the candidate's GPA falls below 3.0, or has more than one grade in the range of C in graduate courses, the candidate will be notified of his/her being subject to academic review. Academic review will result in assignment of probationary status or dismissal.

A candidate on probation is expected to take immediate steps to raise his or her GPA. This can be done by (1) earning enough grades of B+ or A, or (2) retaking the course(s) in which a grade of C+ or below was earned and achieving a B or better in this course. NOTE: while a grade of B in any subsequent course may raise a GPA that is below 3.0, it may not by itself be sufficient to raise the GPA to 3.0 or above. Only one grade of C- or lower is allowed in the MT graduate part of the program.

A candidate is allowed up to 12 credit hours of work to raise his or her GPA above 3.0 after being placed on probation. If after attempting 12 credit hours the GPA has not been raised to 3.0, the candidate will be dismissed from the program. Graduate candidates are held accountable for the following professional dispositions stated in accordance with our Conceptual Framework and teaching standards:

(1) The candidate values learning.
(2) The candidate thinks critically and solves problems using evidence.
(3) The candidate conducts himself/herself as a reflective professional.
(4) The candidate collaborates and communicates respectfully.
(5) The candidate deals with others fairly and equitably.
(6) The candidate commits to individual development and learning for all.

Any dispositions that are in obvious deviation from the teacher candidate dispositions stated in accordance with our Conceptual Framework and teaching standards may result in assignment of probationary status or dismissal. Any candidate who does not demonstrate the dispositions necessary to assume the responsibilities of a classroom teacher will be subject to review by the Educator Preparation Provider Candidate Review Board (EPPCRB) and may be placed on probation or dismissed from the program. The candidate will be informed of any decision or recommendation by the EPPCRB.

NEW YORK STATE CERTIFICATION

A candidate must successfully complete the Five Year BA – BS/MAT program in order to be eligible for initial teaching certification in both their content field and in Students with Disabilities (both grades 7 - 12). In addition to successfully completing the BA – BS/MAT academic program, the candidate must also pass required New York State assessments and mandated workshops (Dignity for All Students Act, Violence Education, Child Abuse, Autism).

Required courses in the undergraduate program leading to initial teaching certification*:

There are two sets of course requirements leading to dual certification in the student's content area (Biology, Chemistry, English, French, History, Mathematics, or Spanish) and Students with Disabilities.

Set #1 are the following Education courses that are taken as an undergraduate:

PSYC 101L Introduction to Psychology	3 cr (credits fulfill Core LS social science)
PSYC 207L Exceptional Child	3 cr
PSYC 318L Psychology of the Adolescent	3 cr
PSYC 372L Psychoeducational Assessment of Educational Disabilities	3 cr
EDUC 101L Foundations of Education	3 cr
EDUC 102N Introduction to Teaching	1 cr
EDUC 150N Technology for Education Professionals	3 cr
EDUC 373N Principles of Instruction for Students with Disabilities	3 cr
EDUC 379L Culturally Responsive Education OR approved substitute	3 cr
EDUC 410N Participation and Observation	1 cr
Foreign Language**	3-6 cr
Total Education	29-32 cr

Set #2 courses are required by the New York State Education Department for a teacher of students with disabilities to provide a broader background of content in English Language Arts, Mathematics, Science, and Social Studies. The content of these courses should relate to the curriculum taught in secondary education (middle and high schools). Six credits are required in each of the following content areas: English, Mathematics, Science, and Social Studies. Many of these credits are fulfilled by the candidate's major field or careful planning of Core/Pathway courses.

* with the exception of EDUC 102 Introduction to Teaching, EDUC 410 Observation and Participation, and foreign language a grade of C+ or better is required in all courses.

**six credits of introductory foreign language or three credits of an intermediate foreign language.

RECOMMENDED PROGRAM SEQUENCE FOR CERTIFICATION REQUIREMENTS IN ADOLESCENCE EDUCATION (GRADES 7-12)

EDUC 101L Foundations of Education	3 cr
EDUC 102N Introduction to Teaching	1 cr
EDUC 150N Techology for Education Professionals	3 cr
EDUC 373N Principles of Instruction for Students w/Disabilities	3 cr
EDUC 379L Culturally Responsive Education OR approved substitute	3 cr
EDUC 410N Participation Observation	3 cr
PSYC 101L Intro to Psychology (for Social Sciences)	3 cr
PSYC 207L The Exceptional Child	3 cr
PSYC 318L Psychology of Adolescent	3 cr
PSYC 372L Psychoeducational Assessment of Educational Disabilities	3 cr
Foreign Language I	3 cr
Foreign Language II	3 cr
NYSED content required course (2)	6 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 initial 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 in the Masters' year.

REQUIREMENTS FOR NEW YORK STATE TEACHER CERTIFICATION IN ADOLESCENCE EDUCATION: BIOLOGY (GRADES 7-12) AND STUDENTS WITH DISABILITIES (GRADES 7-12)

Marist College offers a state-approved Five Year BA – BS/MAT (Bachelor and Masters degrees) program leading to initial teacher certification in Adolescence Education: Biology (Grades 7-12) and Students with Disabilities (Grades 7-12). Candidates 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 candidates seek such advisement early in their college careers, during their first year if possible. Education and related field requirements for Adolescence Education certification can be found on page 115 of the 2020-2021 catalog.

PROGRAM REQUIREMENTS

Formal Review of Progress into the Five Year BA – BS/MAT (Bachelor and Masters degrees) program 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)
- Grades of C+ or higher in all required courses for the education certificate (see Education Requirements)

Prior to Formal Review of Progress, 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 Review of Progress, 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).

RECOMMENED SEQUENCE FOR BACHELOR OF SCIENCE/MAT IN BIOLOGY WITH ADOLESCENCE EDUCATION

FIRST YEAR

FALL		**SPRING**	
ENG 120L Writing for College	3 cr	EDUC 101L Foundations of Education	3 cr
PSYC 101L Intro to Psych./Core: Social Science	3 cr	EDUC 102N Introduction to Teaching	1 cr
PHIL101L Philosophical Perspectives	3 cr	FYS 101L First Year Seminar	4 cr
BIOL 130L General Biology I	4 cr	BIOL 131L General Biology II	4 cr
CHEM 111L General Chemistry I	4 cr	CHEM 112L General Chemistry II	4 cr
CHEM 115L General Chemistry I Lab	4 cr	CHEM 116L General Chemistry II Lab	4 cr
	17 cr		16 cr

SOPHOMORE YEAR

FALL

EDUC 150N Technology for Educational Professionals	3 cr
PSYC 207L The Exceptional Child	3 cr
Core: History	3 cr
BIOL 211L Plant Biology	4 cr
MATH 241L Calculus	4 cr
	17 cr

JUNIOR YEAR

FALL

PSYC 372L Psychoed. Assmnt of Ed. Disabilities	3 cr
Foreign Language I	3 cr
Core: Fine Arts	3 cr
BIOL 321L Evolution	3 cr
CHEM 201L Intro to Organic Chemistry	3 cr
CHEM 202L Organic Chemistry Lab	1 cr
	16 cr

SENIOR YEAR

FALL

BIOL 201L Human Anatomy and Physiology I	4 cr
BIOL 477L Capping	3 cr
BIOL 360L Ecology	4 cr
MATA 506N Methods for Inclusive Sec. Ed. I	2 cr
MATA 507N Clin. Exp. for Incl. Sec. Ed. I	1 cr
MATA 510N Curric. Strat for Stu. w/Disabilities	3 cr
	17 cr

YEAR 5 – HYBRID

SUMMER

MATA 631N Literacy in Content Areas	3 cr
MATA 640N Learning Environments to Support Students' Social & Emotional Needs	3 cr
	6 cr

YEAR 5

FALL

MATA 605N Educational Assessment & Evaluation	3 cr
MATA 606N Methods for Inclusive Secondary Ed. II	3 cr
MATA 610N Transitions & Community-Based Lrng.	3 cr
MATA 660N Research: Theory & Application	3 cr
	12 cr

SPRING

PSYC 318L Psychology of Adolescent	3 cr
EDUC 410N Participation & Observation	1 cr
Core: Literature	3 cr
BIOL 320L Genetics	4 cr
MATH 130L Introduction to Statistics	3 cr
BIOL L course at 300 or 400 level	3 cr
	17 cr

SPRING

EDUC 373N Prin. of Instruc. for Stu. w/Disabilities	3 cr
EDUC 379N Culturally Responsive Education OR approved substitute	3 cr
Core: Ethics - Bioethics	3 cr
Foreign Language II	3 cr
BIOL 312L Microbiology	4 cr
	16 cr

SPRING

BIOL 202L Human Anatomy and Physiology II	4 cr
Pathway	3 cr
NYSED content req. - History	3 cr
MATA 565N Data-Based Decision Making for Curr. and Instruc.	3 cr
MATA 630N Literacy for Inclusive Sec. Ed.	3 cr
	16 cr

SPRING

MATA 680N Stu. Tchg. Practicum	6 cr
	6 cr

CHEMISTRY EDUCATION

Marist College offers a state-approved Five Year BA – BS/MAT (Bachelor and Masters degrees) program leading to initial teacher certification in Adolescence Education: Chemistry (Grades 7-12) and Students with Disabilities (Grades 7-12). Candidates 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 candidates seek such advisement early in their college careers, during their first year if possible. Education and related field requirements for Adolescence Education certification can be found on page 117 of the 2020-2021 catalog.

REQUIREMENTS FOR NEW YORK STATE TEACHER CERTIFICATION IN ADOLESCENCE EDUCATION: CHEMISTRY (GRADES 7-12) AND STUDENTS WITH DISABILITIES (GRADES 7-12)

Marist College offers a state-approved Five Year BA – BS/MAT (Bachelor and Masters degrees) program leading to initial teacher certification in Adolescence Education: Chemistry (Grades 7-12) and Students with Disabilities (Grades 7-12). Candidates 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 candidates seek such advisement early in their college careers, during their first year if possible. Education and related field requirements for Adolescence Education certification can be found on page 117 of the 2020-2021 catalog.

RECOMMENDED SEQUENCE FOR BACHELOR OF ARTS/MAT IN CHEMISTRY WITH ADOLESCENCE EDUCATION

FIRST YEAR

FALL

EDUC 102N Introduction to Teaching	1 cr
FYS 101L First Year Seminar	4 cr
PSYC 101L Intro to Psych./Core: Social Science	3 cr
CHEM 111L General Chemistry I	3 cr
CHEM 115L General Chemistry Lab	1 cr
MATH 241L Calculus	4 cr
	16 cr

SPRING

EDUC 101L Foundations of Education	3 cr
ENG 120L Writing for College	3 cr
PHIL 101L Philosophical Perspectives	3 cr
MATH 242L Calculus II	4 cr
CHEM 112L General Chemistry II	3 cr
CHEM 116L General Chemistry Lab	1 cr
	17 cr

SOPHOMORE YEAR

FALL

EDUC 150N Technology for Educational Professionals	3 cr
PSYC 207L The Exceptional Child	3 cr
Core: History	3 cr
CHEM 211L Organic Chemistry	3 cr
CHEM 215L Organic Chemistry Lab	1 cr
PHYS 211L General Physics I	3 cr
PHYS 213L Physics Lab I	1 cr
	17 cr

SPRING

PSYC 318L Psychology of Adolescent	3 cr
EDUC 410N Participation & Observation	1 cr
Core: Literature	3 cr
CHEM 212L Organic Chemistry II	3 cr
CHEM 216L Organic Chemistry Lab II	1 cr
PHYS 212L General Physics II	3 cr
PHYS 214L General Physics Lab II	1 cr
	15 cr

JUNIOR YEAR

FALL

PSYC 372L Psychoed. Assmnt. of Ed. Disabilities	3 cr
Core: Fine Arts	3 cr
Foreign Language I	3 cr
CHEM 355L Analytical Chemistry	4 cr
Pathway #1	3 cr
	16 cr

SPRING

EDUC 373N Prin. of Instruc. for Stu. w/Disabilities	3 cr
EDUC 379N Culturally Responsive Education OR approved substitute	3 cr
Foreign Language II	3 cr
CHEM 203 Computational Chemistry	3 cr
CHEM 474L Research Methods in Chem	4 cr
	16 cr

SENIOR YEAR

FALL

Core: Ethics	3 cr
CHEM 420L Biochemistry I	3 cr
CHEM 420L Biochemistry I Lab	1 cr
CHEM 362L Quantum & Stat Mechanics[1] OR Pathway #2	3 cr
MATA 506N Meth. for Incl. Secondary Ed. I	2 cr
MATA 507N Clin. Exp. for Meth. for Incl. Sec Ed. I	1 cr
MATA 510N Curric. Strat for Students w/Disabilities	3 cr
	16 cr

SPRING

CHEM 361L Thermodynamics & Kinetics[1] OR Pathway #2	3 cr
Pathway #3	3 cr
NYSED content req. – History	3 cr
MATA 565N Data-Based Decision Making for Curr. and Instruc.	3 cr
MATA 630N Literacy for Inclusive Sec. Ed.	3 cr
CHEM 365L Expt. Thermo & Kinetics OR CHEM 366L Expt. Quantum	1 cr
	16 cr

YEAR 5 – HYBRID

SUMMER

MATA 631N Literacy in the Content Areas	3 cr
MATA 640N Learning Environments to Support Students' Social & Environmental Needs	3 cr
	6 cr

YEAR 5

FALL

MATA 605N Educational Assessment & Evaluation	3 cr
MATA 606N Methods for Inclusive Secondary Ed. II	3 cr
MATA 610N Transitions & Community-Based Lrng.	3 cr
MATA 660N Research: Theory & Application	3 cr
	12 cr

SPRING

MATA 680N Student Teaching Practicum	6 cr
	6 cr

[1] To earn the BA in Chemistry, students must take either CHEM 361 and CHEM 365 OR CHEM 362 and CHEM 366.

ENGLISH EDUCATION

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

Marist College offers a state-approved Five Year BA – BS/MAT (Bachelor and Masters degrees) program leading to initial teacher certification in Adolescence Education: English (Grades 7-12) and Students with Disabilities (Grades 7-12). Candidates 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 candidates seek such advisement early in their college careers, during their first year if possible. Education and related field requirements for Adolescence Education certification can be found on page 117 of the 2020-2021 catalog.

RECOMMENDED SEQUENCE FOR BACHELOR OF ARTS/MAT IN ENGLISH WITH ADOLESCENCE EDUCATION

FIRST YEAR

FALL

EDUC 101L Foundations of Education	3 cr
FYS 101L First Year Seminar	4 cr
PHIL 101L Philosophical Perspectives	3 cr
Foreign Language I	3 cr
English Foundation course #1	3 cr
	16 cr

SPRING

EDUC 102N Introduction to Teaching	1 cr
PSYC 101L Intro. to Psych./Core: Social Science	3 cr
ENG 120L Writing for College	3 cr
Core: History	3 cr
English Foundation course #2	3 cr
English Foundations course #3	3 cr
	16 cr

SOPHOMORE YEAR

FALL

EDUC 150N Technology for Educational Professionals	3 cr
PSYC 207L The Exceptional Child	3 cr
Core: Science	3 cr
English Foundation course #4	3 cr
English 300 level (200 level for Writing Concentration) L	3 cr
	15 cr

SPRING

PSYC 318L Psychology of Adolescent	3 cr
EDUC 410N Participation & Observation	1 cr
Foreign Language II	3 cr
Core: Fine Arts	3 cr
English 300 level (200 level for Writing Concentration) L	3 cr
English 300 level	3 cr
	16 cr

JUNIOR YEAR

FALL

PSYC 372L Psychoed. Assmnt. of Ed. Disabilities	3 cr
Core: Math	3 cr
NYSED content req. – History	3 cr
English 300 level	3 cr
English 300 level	3 cr
	15 cr

SPRING

EDUC 373N Prin. of Instruc. for Stu w/Disabilities	3 cr
EDUC 379N Culturally Responsive Education OR approved substitute	3 cr
English 300 level	3 cr
English 300 level	3 cr
NYSED content req. – Science	3 cr
	15 cr

SENIOR YEAR

FALL

Pathway	3 cr
English 300 level	3 cr
English 300 level	3 cr
MATA 506N Methods for Inclusive Secondary Ed. I	2 cr
MATA 507N Clin. Exp. for Incl. Secondary Ed. I	1 cr
MATA 510N Curric. Strat for Students w/Disabilities	3 cr
	15 cr

SPRING

English 300 level	3 cr
ENG 477L Capping	3 cr
NYSED Content req. - Math	3 cr
MATA 565N Data-Based Decision Making for Curr. and Instruc.	3 cr
MATA 630N Literacy for Inclusive Sec. Ed.	3 cr
	15 cr

YEAR 5 – HYBRID

SUMMER

MATA 631N Literacy in the Content Areas	3 cr
MATA 640N Learning Environments to Support Students' Social & Environmental Needs	3 cr
	6 cr

YEAR 5

FALL

MATA 605N Educational Assessment & Evaluation	3 cr
MATA 606N Methods for Inclusive Secondary Ed. II	3 cr
MATA 610N Transitions & Community-Based Lrng.	3 cr
MATA 660N Research: Theory & Application	3 cr
	12 cr

SPRING

MATA 680N Student Teaching Practicum	6 cr
	6 cr

FRENCH EDUCATION

REQUIREMENTS FOR NEW YORK STATE TEACHER CERTIFICATION IN ADOLESCENCE EDUCATION: FRENCH (GRADES 7-12) AND STUDENTS WITH DISABILITIES (GRADES 7–12)

Marist College offers a state-approved Five Year BA – BS/MAT (Bachelor and Masters degrees) program leading to initial teacher certification in Adolescence Education: French (Grades 7-12) and Students with Disabilities (Grades 7-12). Candidates 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 candidates seek such advisement early in their college careers, during their first year if possible. Education and related field requirements for Adolescence Education certification can be found on page 117 of the 2020-2021 catalog.

RECOMMENDED SEQUENCE FOR BACHELOR OF ARTS/MAT IN FRENCH WITH ADOLESCENCE EDUCATION

FIRST YEAR

FALL

FYS 101L First Year Seminar	4 cr
ENG 120L Writing for College	3 cr
PSYC 101L Intro. to Psychology/Core: Social Science	3 cr
PHIL 101L Philosophical Perspectives	3 cr
FREN 201L Workshop in Writing	3 cr
	16 cr

SPRING

EDUC 101L Foundations of Education	3 cr
EDUC 102N Introduction to Teaching	1 cr
Core: Science	3 cr
Core: History	3 cr
FREN 202L Workshop in Oral Expression	3 cr
NYSED content req. – History	3 cr
	16 cr

SOPHOMORE YEAR

FALL

EDUC 150N Technology for Educational Professionals	3 cr
PSYC 207L The Exceptional Child	3 cr
Core: Math	3 cr
FREN 250L French Culture & Thought: Prob./Per.	3 cr
FREN 305L Studies in French Film & Literature	3 cr
	15 cr

SPRING

PSYC 318L Psychology of Adolescent	3 cr
EDUC 410N Participation & Observation	1 cr
Pathway	3 cr
Pathway	3 cr
FREN 251L Contemporary France	3 cr
NYSED content req. – Math	3 cr
	16 cr

JUNIOR YEAR

FALL

Core: Fine Arts	3 cr
French courses	12 cr
	15 cr

SPRING

EDUC 379L Culturally Responsive Ed. or French sub.	3 cr
Core: Ethics L	3 cr
French courses L	9 cr
	15 cr

SENIOR YEAR

FALL

EDUC 373N Prin. of Instruc. for Stu. w/Disabilities	3 cr
NYSED content req. – Science	3 cr
FREN 477L Capping	3 cr
MATA 506N Methods for Inclusive Secondary Ed. I	2 cr
MATA 507N Clin. Exp.. for Incl. Secondary Ed. I	1 cr
MATA 510N Curr. Strat for Stud. w/Disabilities	3 cr
	15 cr

SPRING

PSYC 372L Psychoed. Assmnt. of Ed. Disabilities	3 cr
Pathway	3 cr
French Elective	3 cr
MATA 565N Data-Based Decision Making for Curr. and Instruc.	3 cr
MATA 630N Literacy for Inclusive Sec. Ed.	3 cr
	15 cr

YEAR 5 – HYBRID

SUMMER

MATA 631N Literacy in the Content Areas	3 cr
MATA 640N Learning Environments to Support Students' Social & Emotional Needs	3 cr
	6 cr

YEAR 5

FALL

MATA 605N Educational Assessment & Evaluation	3 cr
MATA 606N Methods for Inclusive Secondary Ed. II	3 cr
MATA 610N Transitions & Community-Based Lrng.	3 cr
MATA 660N Research: Theory & Application	3 cr
	12 cr

SPRING

MATA 680N Student Teaching Practicum	6 cr
	6 cr

HISTORY EDUCATION

REQUIREMENTS FOR NEW YORK STATE TEACHER CERTIFICATION IN ADOLESCENCE EDUCATION: SOCIAL STUDIES/HISTORY (GRADES 7-12) AND STUDENTS WITH DISABILITIES (GRADES 7-12)

Marist College offers a state-approved Five Year BA – BS/MAT (Bachelor and Masters degrees) program leading to initial teacher certification in Adolescence Education: Social Studies/History (Grades 7-12) and Students with Disabilities (Grades 7-12). Candidates 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 candidates seek such advisement early in their college careers, during their first year if possible. Education and related field requirements for Adolescence Education certification can be found on page 117 of the 2020-2021 catalog.

RECOMMENDED SEQUENCE FOR BACHELOR OF ARTS/MAT IN HISTORY WITH ADOLESCENCE EDUCATION

FIRST YEAR

FALL

FYS 101L First Year Seminar L	4 cr
ENG 120L Writing for College	3 cr
PSYC 101L Intro. to Psych./Core: Social Science	3 cr
HIST Any 226L, 227L, 248L, 249L, 252L	3 cr
POSC 110L	3 cr
	16 cr

SPRING

EDUC 101L Foundations of Education	3 cr
EDUC 102N Introduction to Teaching	1 cr
PHIL 101L Philosophical Perspectives	3 cr
Core: Literature L	3 cr
HIST Any 226L, 227L, 248L, 249L, 252L	3 cr
HIST Any 226L, 227L, 248L, 249L, 252L	3 cr
	16 cr

SOPHOMORE YEAR

FALL

EDUC 150N Technology for Educational Professionals	3 cr
PSYC 207L The Exceptional Child	3 cr
HIST Any 226L, 227L, 248L, 249L, 252L	3 cr
HIST 200L Latin America/Asia/Africa	3 cr
ECON 103L OR ECON 105L	3 cr
	15 cr

SPRING

PSYC 318L Psychology of Adolescent	3 cr
EDUC 410N Participation & Observation	1 cr
Core: Fine Arts	3 cr
Foreign Language I	3 cr
HIST 200L Latin America/Asia/Africa	3 cr
Elective	3 cr
	16 cr

JUNIOR YEAR

FALL

PSYC 372L Psychoed. Assmnt. of Ed. Disabilities	3 cr
Foreign Language II	3 cr
Core: Science	3 cr
Core: Math	3 cr
HIST Latin America/Asia/Africa	3 cr
	15 cr

SPRING

EDUC 373N Prin. of Instruc. for Stu. w/Disabilities	3 cr
EDUC 379N Culturally Responsive Education OR approved substitute	3 cr
Core: Ethics	3 cr
HIST Elective (300 level)	3 cr
HIST 497L or HIST Elective (300 Level)	3 cr
	15 cr

SENIOR YEAR

FALL

History Elective (200 level) or HIST 413	3 cr
NYSED content req. - Science	3 cr
HIST 477L Capping	3 cr
MATA 506N Methods for Inclusive Secondary Ed. I	2 cr
MATA 507N Clin. Exp. for Incl. Secondary Ed. I	1 cr
MATA 510N Curric. Strat for Students w/Disabilities	3 cr
	15 cr

SPRING

Pathway	3 cr
HIST elective (300 level)	3 cr
NYSED content req. – Math	3 cr
MATA 565N Data-Based Decision Making for Curr. and Instruc.	3 cr
MATA 630N Literacy for Inclusive Sec. Ed.	3 cr
	15 cr

YEAR 5 – HYBRID

SUMMER

MATA 631N Literacy in the Content Areas	3 cr
MATA 640N Learning Environments to Support Students' Social & Emotional Needs	3 cr
	6 cr

YEAR 5

FALL

MATA 605N Educational Assessment & Evaluation	3 cr
MATA 606N Methods for Inclusive Secondary Ed. II	3 cr
MATA 610N Transitions & Community-Based Lrng.	3 cr
MATA 660N Research: Theory & Application	3 cr
	12 cr

SPRING

MATA 680N Student Teaching Practicum	6 cr
	6 cr

MATHEMATICS EDUCATION

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 Education Department 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 candidates for a secondary school teaching career. A supervised student teaching experience, arranged by the Education Department, is included in the program's fifth year.

REQUIREMENTS FOR NEW YORK STATE TEACHER CERTIFICATION IN ADOLESCENCE EDUCATION: MATHEMATICS (GRADES 7-12) AND STUDENTS WITH DISABILITIES (GRADES 7-12)

Marist College offers a state-approved Five Year BA – BS/MAT (Bachelor and Masters degrees) program leading to initial teacher certification in Adolescence Education: Mathematics (Grades 7-12) and Students with Disabilities (Grades 7-12). Candidates 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 candidates seek such advisement early in their college careers, during their first year if possible. Education and related field requirements for Adolescence Education certification can be found on page 117 of the 2020-2021 catalog.

RECOMMENDED SEQUENCE FOR BACHELOR OF ARTS/MAT IN MATHEMATICS WITH ADOLESCENCE EDUCATION

FIRST YEAR

FALL

EDUC 102N Introduction to Teaching	1 cr
FYS 101L First Year Seminar	4 cr
PSYC 101L Intro to Psych./Core: Social Science	3 cr
MATH 241L Calculus I	4 cr
CMPT 120L Intro to Programming or DATA 220L	4 cr
	16 cr

SPRING

EDUC 101L Foundations of Education	3 cr
ENG 120L Writing for College	3 cr
PHIL 101L Philosophical Perspectives	3 cr
Core: Literature	3 cr
MATH 242L Calculus II	4 cr
	16 cr

SOPHOMORE YEAR

FALL

EDUC 150N Technology for Educational Professionals	3 cr
PSYC 207L The Exceptional Child	3 cr
Core: Science	3 cr
MATH 343L Calculus III	4 cr
MATH 210L Linear Algebra	3 cr
	16 cr

SPRING

PSYC 318L Psychology of Adolescent	3 cr
EDUC 410N Participation & Observation	1 cr
Core: Ethics	3 cr
Core: History	3 cr
Core: Fine Arts	3 cr
MATH 310L Intro. to Math Reasoning	3 cr
	16 cr

JUNIOR YEAR

FALL

PSYC 372L Psychoed. Assmnt. of Ed. Disabilities	3 cr
Pathway	3 cr
Foreign Language I	3 cr
MATH 450L Fund. Concepts of Geometry (required for teacher certification: offered in odd years)	3 cr
MATH 300/400 requirement	3 cr
MATH 300/400 requirement	3 cr
	15 cr

SPRING

EDUC 373N Prin. of Instruc. for Stu. w/Disabilities	3 cr
EDUC 379N Culturally Responsive Education OR approved substitute	3 cr
Foreign Language II	3 cr
MATH 300/400 requirement	3 cr
MATH 300/400 requirement	3 cr
	15 cr

SENIOR YEAR

FALL

NYSED content req. – Science	3 cr
MATH 450L Fund. Concepts of Geometry (required for teacher certification: offered in odd years)	3 cr
MATH 300/400 requirement	3 cr
MATA 506N Methods for Inclusive Secondary Ed. I	2 cr
MATA 507N Clin. Exp. for Incl. Secondary Ed. I	1 cr
MATA 510N Curric. Strat for Stu. w/Disabilities	3 cr
	15 cr

SPRING

Pathway	3 cr
MATH 477L Capping	3 cr
NYSED content req. – History	3 cr
MATA 565N Data-Based Decision Making or Curr. and Instruc.	3 cr
MATA 630N Literacy for Inclusive Sec. Ed.	3 cr
	15 cr

YEAR 5 – HYBRID

SUMMER

MATA 631N Literacy in the Content Areas	3 cr
MATA 640N Learning Environments to Support Students' Social & Emotional Needs	3 cr
	6 cr

YEAR 5

FALL

MATA 605N Educational Assessment & Evaluation	3 cr
MATA 606N Methods for Inclusive Secondary Ed. II	3 cr
MATA 610N Transitions & Community-Based Lrng.	3 cr
MATA 660N Research: Theory & Application	3 cr
	12 cr

SPRING

MATA 680N Student Teaching Practicum	6 cr
	6 cr

SPANISH EDUCATION

REQUIREMENTS FOR NEW YORK STATE TEACHER CERTIFICATION IN ADOLESCENCE EDUCATION: SPANISH (GRADES 7-12) AND STUDENTS WITH DISABILITIES (GRADES 7-12)

Marist College offers a state-approved Five Year BA – BS/MAT (Bachelor and Masters degrees) program leading to initial teacher certification in Adolescence Education: Spanish (Grades 7-12) and Students with Disabilities (Grades 7-12). Candidates 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 candidates seek such advisement early in their college careers, during their first year if possible. Education and related field requirements for Adolescence Education certification can be found on page 117 of the 2020-2021 catalog.

RECOMMENDED SEQUENCE FOR BACHELOR OF ARTS/MAT IN SPANISH WITH ADOLESCENCE EDUCATION

FIRST YEAR

FALL

FYS 101L First Year Seminar	4 cr
ENG 120L Writing for College	3 cr
PSYC 101L Intro. to Psych./Core: Social Science	3 cr
PHIL 101L Philosophical Perspectives	3 cr
SPAN 201L or SPAN 106L Foundations in Stucture and Use of Spanish Language	3 cr
	16 cr

SPRING

EDUC 101L Foundations of Education	3 cr
EDUC 102N Introduction to Teaching	1 cr
Core: Science	3 cr
Core: History	3 cr
Core: Math	3 cr
SPAN 202L Foundations is Spanish	3 cr
	16 cr

SOPHOMORE YEAR

FALL

EDUC 150N Technology for Educational Professionals	3 cr
PSYC 207L The Exceptional Child	3 cr
Core: Ethics	3 cr
SPAN 250L Cultures of Spain	3 cr
SPAN 360L or SPAN 315L	3 cr
	15 cr

SPRING

PSYC 318L Psychology of Adolescent	3 cr
EDUC 410N Participation & Observation	1 cr
Pathway	3 cr
SPAN 260L Cultures of Latin America	3 cr
SPAN 315L Exp. of Hispanic Literature or SPAN 325L Spanish in a Digital Age	3 cr
NYSED content req. – History	3 cr
	16 cr

JUNIOR YEAR

FALL

Field Experience/Internship related to location abroad L	1 cr
Core: Fine Arts	3 cr
Spanish courses	12 cr
	16 cr

SPRING

NYSED content req.– Math	3 cr
Spanish courses	9 cr
EDUC 379L Culturally Responsive Ed. or Spanish sub	3 cr
	15 cr

SENIOR YEAR

FALL

EDUC 373N Prin. of Instruc. for Stu. w/Disabilities	3 cr
Pathway	3 cr
SPAN 270L or SPAN Upper Level Literature (core literature but no spec. ed. certify)	3 cr
MATA 506N Methods for Inclusive Secondary Ed. I	2 cr
MATA 507N Clin. Exp. for Incl. Secondary Ed. I	1 cr
MATA 510N Curric. Strat for Stu. w/Disabilities	3 cr
	15 cr

SPRING

PSYC 372L Psychoed. Assmnt. of Ed. Disabilities	3 cr
SPAN 477L Capping	3 cr
NYSED content req. – Science	3 cr
MATA 565N Data-Based Decision Making for Curr. and Instruc.	3 cr
MATA 630N Literacy for Inclusive Sec. Ed.	3 cr
	15 cr

YEAR 5 – HYBRID

SUMMER

MATA 631N Literacy in the Content Areas	3 cr
MATA 640N Learning Environments to Support Students' Social & Emotional Needs	3 cr
	6 cr

YEAR 5

FALL		**SPRING**	
MATA 605N Educational Assessment & Evaluation	3 cr	MATA 680N Student Teaching Practicum	6 cr
MATA 606N Methods for Inclusive Secondary Ed. II	3 cr		6 cr
MATA 610N Transitions & Community-Based Lrng	3 cr		
MATA 660N Research: Theory & Application	3 cr		
	12 cr		

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

This program is an extension of the Marist undergraduate Dual Certificate Program in Childhood Education, grades 1-6, with Special Education Certification. 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 Childhood Education, grades 1-6, with Special Education Certification program with the M.A. in Educational Psychology program. Marist candidates in the five-year program will receive a B.S. in Psychology, earn a New York State Initial Teaching Certificate in Childhood Education, grades 1-6, with Special Education Certification 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.S. 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 of graduate course work 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's degree in spring. Inquiry about admission should be made to the Director of Graduate Education Programs Dr. Kathleen Vigil, (Kathleen.vigil@marist.edu). Application should be submitted in the fall semester of the junior year or as announced by the Education Department.

ENGLISH

EILEEN CURLEY, Ph.D., *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, theatre, 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 academic wing and production laboratory for the English Department's Concentration in Theatre and Theatre Minor. Open to students of all majors and minors, the Theatre Program produces two mainstage productions per year in conjunction with the student theatre club, MCCTA, and offers several Theatre Scholarships to incoming freshmen. In addition to a host of theatre courses each offered semester, students opportunities include professional workshops and lectures, the Alpha Psi Omega National Theatre Honor Society, the HuMarists improv troupe, and alumni networking through events such as the Marist Theatre Alumni Hall of Fame Induction. Additionally, the campus theatre club, MCCTA, produces several productions a year, including a musical, a comedy or drama, and an original play competition and festival. A Summer Pre-College Theatre Institute is available for high school students.

WRITING PROGRAM

The Writing Program includes not only the variety of courses offered by the English Department's Concentration in Writing and the Minors in Professional and Creative Writing, 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. The Program also offers writing assistance and tutoring opportunities through The Writing Center. 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 students' writing and analytical skills in a number of different forms (creative writing, technical and professional communication, rhetoric and composition, and multimodal and digital composition). Students in the writing concentration gain hands-on experience and apply course concepts in authentic writing situations by participating in community-based learning courses and by completing internships with business, media, and civic organizations.

CONCENTRATION IN THEATRE

The theatre concentration offers the student the opportunity to study theatre in classrooms and working studios. The play is studied for its literary qualities and also as a blueprint for production. Coursework covers a range of disciplinary subjects, including drama, acting, stagecraft, directing and special topics courses. Students may also take cognate courses offered across campus as part of their concentration electives, permitting them to draw upon specializations offered in The School of Communications.

Internships in the broad arena of theatre-related activities are possible during the summers and the academic year.

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: ENG 150 Intro to Theatre ENG 270 Classics of Western Literature I ENG 271 Classics of Western Literature II ENG 222 Introduction to Professional Writing or ENG 280 Introduction to Creative Writing	12 cr	
1.2	Upper-Level Distribution (all courses at 300 level or higher) (Must be chosen in consultation with academic advisor) Any six literature courses at the 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	3 cr	
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.

2.0	Course Requirements in Related Fields: Foreign Language: Two courses at the elementary level or one course at the intermediate level or above	3-6 cr	
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 3 cr	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	0 cr	(fulfilled by major field req.)	
	Mathematics	3 cr		
	Natural Science	3 cr		
	Social Science	3 cr		
			18 cr	
	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				37 cr
4.0	Electives			35-38 cr
Total Credit Requirement for Graduation				120 cr

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

* 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 150 Intro to Theatre ENG 270 Classics of Western Literature I or ENG 271 Classics of Western Literature II ENG 185 Writing as a Discipline 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 literature courses at the 300-level or higher	9 cr		
1.4	Capping Course ENG 477	3 cr		
Credit Requirement for the Concentration in Writing			42 cr	

Notes: A student may substitute a maximum of one 3-credit course in Independent Research for a required upper-level course.

2.0	Course Requirements in Related Fields: Foreign Language: Two courses at the elementary level or one course at the intermediate level or above		3-6 cr	
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	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	0 cr	(fulfilled by major field req.)	
	History	3 cr		
	Literature	0 cr	(fulfilled by major field req.)	
	Mathematics	3 cr		
	Natural Science	3 cr		
	Social Science	3 cr		
			18 cr	
	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				37 cr
4.0	Electives			35-38 cr
Total Credit Requirement for Graduation				120 cr

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

* 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 150 Introduction to Theatre	
	ENG 222 Introduction to Professional Writing or	
	ENG 280 Introduction to Creative Writing	
	ENG 270 Classics of Western Literature	
1.1	Theatre Arts Requirement	15 cr
	Any five 200-400 level theatre arts courses:	
	ENG 227 Acting I	
	ENG 228 Stagecraft	
	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 435 Theatre in the Round	
	ENG 451 Theatre Workshop	
	Appropriate Special-Topics Course	
1.2	Dramatic Literature Requirement	9 cr
	Any three 300-400 level dramatic literature courses	
	ENG 325 Shakespeare	
	ENG 366 British Drama	
	ENG 367 US Drama	
	ENG 356 Global Drama	
	ENG 363 Modern Drama	
	Appropriate Special-Topics Course	

1.3	Electives	6 cr		
	Choose any two of the following:			
	ENG 227 Acting I			
	ENG 228 Stagecraft			
	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 325 Shakespeare			
	ENG 349 Acting III			
	ENG 350 Directing			
	ENG 356 Global Drama			
	ENG 363 Modern Drama			
	ENG 366 British Drama			
	ENG 367 U.S. Drama			
	ENG 435 Theatre in the Round			
	ENG 451 Theatre Workshop			
	COM 103/MDIA 103 Digital Toolbox			
	COM 212 Public Relations Writing Tools			
	MDIA 201 Writing for Media			
	MDIA 301 Screenwriting for Film and Television			
	MDIA 304 Audio Production			
	MDIA 305 Lighting and Cinematography			
	Appropriate Special-Topics Course			
	Theatre Internship			
1.4	Capping Course	3 cr		
	ENG 477			
Credit Requirement for the Concentration in Theatre			42 cr	
Notes:	*(a) A student may substitute a maximum of one 3-credit course in Independent Research for a required upper-level course.*			
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				45-48 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	0 cr	(fulfilled by major field req.)	
	History	3 cr		
	Literature	0 cr	(fulfilled by major field req.)	
	Mathematics	3 cr		
	Natural Science	3 cr		
	Social Science	3 cr		
			18 cr	
	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				37 cr
4.0	Electives			35-38 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 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 117 of this catalog.

REQUIREMENTS FOR A MINOR IN ENGLISH LITERATURE

1.0 Foundation Courses — 6 cr
- Any two 200-level literature courses
- (not to include writing workshops or theatre arts courses)

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

Total Credit Requirement for a Minor In English Literature — 18 cr

REQUIREMENTS FOR A MINOR IN THEATRE

1.0 Required Courses — 15 cr
- ENG 150 Introduction to Theatre
- ENG 227 Acting I
- ENG 228 Stagecraft
- ENG 350 Directing
- ENG 356 Global Drama

Any two Theatre electives: — 6 cr
- ENG 241 Acting II
- ENG 310 Workshop in Playwriting
- ENG 325 Shakespeare
- ENG 349 Acting III
- ENG 363 Modern Drama
- ENG 366 British Drama
- ENG 367 U.S. Drama
- ENG 435 Theatre in the Round
- ENG 451 Theatre Workshop
- Appropriate Special-Topics course
- Theatre Internship

Total Credit Requirement for a Minor in Theatre — 21 cr

REQUIREMENTS FOR A MINOR IN PROFESSIONAL WRITING

1.0 Foundation Courses — 6 cr
- ENG 218 Grammar, Style, and Editing
- ENG 222 Intro to Professional Writing

2.0 Upper-Level Writing Requirements — 12 cr
Four (4) of the following courses:
- ENG 312 Business Writing
- ENG 313 Writing in the Digital Age
- ENG 352 Technical Writing
- ENG 380 Nonfiction Workshop
- Special Topics (in Writing)
- Independent Study in Writing
- Professional Writing Internship

Total Credit Requirement for a Minor in Professional 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		**SPRING**	
FYS 101 First Year Seminar	4 cr	Core/LS	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
English Foundation Course	3 cr	English Foundation Course	3 cr
English Foundation Course	3 cr	English Foundation Course	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Foreign Language	3 cr	Foreign Language	3 cr
Upper Level Literature	3 cr	Upper Level Literature	3 cr
Elective or minor	3 cr	Upper Level Workshop	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Elective	3 cr
Upper Level Theory	3 cr	Upper Level Literature	3 cr
Upper Level Literature	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
Core/LS	3 cr	ENG 477 English Capping	3 cr
Elective	3 cr	Upper Level Literature	3 cr
Elective	3 cr	Elective	3 cr
Upper Level Workshop	3 cr	Elective	3 cr
Upper Level Seminar	3 cr	Elective	2 cr
	15 cr		14 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ENGLISH (THEATRE)

FRESHMAN YEAR

FALL		**SPRING**	
FYS 101 First Year Seminar	4 cr	Core/LS	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
English Foundation Course	3 cr	English Foundation Course	3 cr
Theatre Arts Course	3 cr	Theatre Arts Course	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Foreign Language	3 cr	Foreign Language	3 cr
Upper Level Dramatic Literature	3 cr	Theatre Elective	3 cr
English Foundation Course	3 cr	Theatre Arts Course	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Elective	3 cr
Upper Level Dramatic Literature	3 cr	Upper Level Dramatic Literature	3 cr
Theatre Elective	3 cr	Theatre Arts Course	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
Theatre Arts Course	3 cr	ENG 477 English Capping	3 cr
Core/LS	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	2 cr
	15 cr		14 cr

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN ENGLISH (WRITING)

FRESHMAN YEAR

FALL		**SPRING**	
FYS 101 First Year Seminar	4 cr	Core/LS	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
English Foundation Course	3 cr	English Foundation Course	3 cr
English Foundation Course	3 cr	English Foundation Course	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Foreign Language	3 cr	Foreign Language	3 cr
Upper Level Literature	3 cr	Upper Level Workshop	3 cr
Writing Foundation	3 cr	Upper Level Literature	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
Core/LS	3 cr	Elective	3 cr
Core/LS	3 cr	Elective	3 cr
Upper Level Workshop	3 cr	Upper Level Workshop	3 cr
Upper Level Theory	3 cr	Elective	3 cr
Elective or minor	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
Core/LS	3 cr	ENG 477 English Capping	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Upper Level Literature	3 cr	Elective	3 cr
Upper Level Workshop	3 cr	Elective	2 cr
	15 cr		14 cr

ENVIRONMENTAL SCIENCE & POLICY

RICHARD S. FELDMAN, Ph.D., *Chair*

MISSION:

The Department of Environmental Science & Policy educates students to become professionals ready to understand and solve society's challenging environmental issues. Concentrations — Science, and Policy — allow for different areas of emphasis. Within each concentration, students can choose from a wide range of courses to build a strong foundation in both the applied and theoretical aspects of their area of expertise. The program allows students the flexibility to pursue their individual related passion, whether that interest is in the scientific, political, economic, legal, social, or natural resource realm of environmental issues.

Located in the scenic and historic Hudson Valley, our curriculum offers numerous opportunities for hands-on study at nearby field sites. Some courses include labs taught on the Hudson River aboard our recently acquired 28' research vessel.

The curriculum extends beyond coursework through internship and research opportunities included in our major requirements. These opportunities expose students to different environmentally-focused career paths and prepare them to be competitive candidates either in the professional sector or in graduate school.

As a result of combining our curriculum with extensive individual guidance and attention from faculty, the Department has gained a reputation among employers in both government and private sectors for molding students into citizens with a high-level of environmental consciousness and scientific talent who are well-prepared for challenging environmental careers; and employers extol the level of knowledge and skills our students can and have demonstrated fresh out of college.

The curriculum's flexibility also allows students who wish to pursue graduate studies to schedule a comprehensive undergraduate research experience, which has a very successful record of placing students in excellent graduate programs. Some features of the program are: extensive hands-on field or laboratory experience utilizing the most up-to-date laboratory equipment, regional and national conference presentation opportunities, and placement guidance into graduate school.

The interdisciplinary nature of our curriculum is also well-suited to accommodate dual majors and minors, and is particularly beneficial to students interested in: biology, zoology, ecology, geology, hydrology, climatology, botany, social sciences, health sciences, liberal arts, business, international affairs, and many other areas of studies.

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

CURRICULUM:

The Environmental Science and Policy **Environmental Assessment Concentration** prepare students for a career investigating the short-term and long-term effects of proposed plans, policies, and programs prior to their implementation. Students also learn ways to minimize, mitigate, or eliminate the potential hazards that existing and proposed actions may incur. Highlights of the concentration include extensive field and laboratory experience, learning to produce environmental impact statements, and earning an OSHA certification. A focus on incorporating up-to-date equipment as well as relevant certification leaves students highly competitive in both the government and private sectors.

Students enrolled in the Environmental Science and Policy **Science Concentration** can expect a rigorous and stimulating curriculum ideally suited for students interested in further graduate study in the sciences. Our program provides the academic preparation for in-depth understanding of environmental considerations pertaining to the effects of human activity on the dynamics and interrelationships of complex ecosystems, physical earth systems, and the health and well-being of humans and other organisms. Whether a student's personal career interest lies in field-work, conducting laboratory research, being actively involved in environmental concerns, or continuing his/her 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.

The Environmental Science and Policy's **Policy Concentration** is designed for students interested in a policy-oriented approach to environmental problems, but who wish to be well-versed in the science behind the policies. This concentration requires an in-depth exploration of an additional area of interest such as: economics, environmental law, social science, politics, or resource management, to name a few. Career preparation is enhanced through the requirement of completing either a professional internship or scholarly research mentored by a faculty member.

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

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

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

1.0	Course Requirements in Environmental Science		
	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 330 Advanced GIS	3 cr	
	ENSC 360 Ecology: Principles & Practice	4 cr	
	ENSC 380 Principles of Environmental Assessment	3 cr	
	ENSC 404 Environmental Toxicology	4 cr	
	ENSC 318 Climate Change 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 Policy Capping	3 cr	
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 111 General Chemistry I	3 cr	
	CHEM 115 General Chemistry Laboratory I	1 cr	
	CHEM 112 General Chemistry II	3 cr	
	CHEM 116 General Chemistry Laboratory II	1 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 7 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 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		
ENSC 426 Environmental Investigation and Remediation	3 cr		
PHYS 201 College Physics I	3 cr		
		7 cr	
Credit Requirement in Related Fields			41 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	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	0 cr	(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 330 Advanced GIS	3 cr		
	ENSC 360 Ecology: Principles & Practice	4 cr		
	ENSC 380 Principles of Environmental Assessment	3 cr		
	ENSC 318 Climate Change 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 Policy Capping	3 cr		
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		
	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 308 Intro to Occupational Safety and Health	3 cr		
			13 cr	
	One additional 100 level POSC course may be taken, and is required for a Minor in Political Science.			
Credit Requirement in Related Fields				40 cr
Total Credit Requirement for a Major in Environmental Science & Policy, Policy Concentration				82 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	0 cr	(fulfilled by major field req.)	
			15 cr	

Pathway*		12 cr	
Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement			34 cr
4.0 Electives			4 cr
Total Credit Requirement for Graduation			120 cr

† May replace with MATH 241 Calculus I or MATH 131 Introduction to Statistics II

*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 111 General Chemistry I	3 cr	
CHEM 115 General Chemistry Laboratory I	1 cr	
CHEM 112 General Chemistry II	3 cr	
CHEM 116 General Chemistry Laboratory II	1 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	
		6 cr
Total Credit Requirement for a Minor in Environmental Science		25-29 cr

[1] Prerequisite courses required beyond those listed under Required Courses

---

2) REQUIREMENTS FOR A MINOR IN ENVIRONMENTAL POLICY

Required Courses		
ENSC 101 Intro to Environmental Issues[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	3 cr	
		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)	9 cr

Total Credit Requirement for a Minor in Environmental Studies 18 cr

Environmental Sciences

ENSC 210 Intro to Geology	3 cr
ENSC 212 Intro to Geology Lab	1 cr
ENSC 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, SCIENCE CONCENTRATION

FRESHMAN YEAR

FALL

FYS 101 Freshman Year Seminar	4 cr
BIOL 130 General Biology I	4 cr
CHEM 111 General Chemistry I	3 cr
CHEM 115 General Chemistry Laboratory I	1 cr
ENSC 101 Intro to Environmental Issues	3 cr
ENSC 125 Field & Laboratory Experience	3 cr
	16 cr

SPRING

PHIL 101 Philosophical Perspectives	3 cr
BIOL 131 General Biology II	4 cr
CHEM 112 General Chemistry II	3 cr
CHEM 116 General Chemistry Laboratory II	1 cr
ENG 120 Writing for College	3 cr
	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
	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
	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
	14 cr

SPRING

ENSC 380 Principles of Env Assessment	3 cr
ENSC 318 Climate Change Seminar	1 cr
Related Field Elective	3-4 cr
Breadth	6 cr
Pathway	3 cr
	16-17 cr

SENIOR YEAR

FALL

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

SPRING

ENSC 441 Research II OR ENSC 399 Internship II	3 cr
ENSC 404 Environmental Toxicology	4 cr
ENSC 477 Env Sci & Policy Capping	3 cr
Pathway	3 cr
	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
	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
	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	3 cr
	15 cr

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
Advanced GIS	3 cr
	15-16 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	3 cr
	16-17 cr

SPRING

ENSC 380 Prin of Env Assessment	3 cr
ENSC 420 Environmental Planning	3 cr
ENSC 318 Climate Change Seminar	1 cr
Breadth	3 cr
Pathway	3 cr
	13 cr

SENIOR YEAR

FALL		**SPRING**	
ENSC 440 Research I OR ENSC 398 Internship I	3 cr	ENSC 441 Research II OR ENSC 399 Internship II	3 cr
Related Field Elective	3-4 cr	ENSC 425 Environmental Law	3 cr
Pathway	3 cr	ENSC 477 Env Sci & Policy Capping	3 cr
Free Elective	3 cr	Free Elective	3 cr
		Pathway	3 cr
	12-13 cr		15 cr

FASHION DESIGN

JENNIFER FINN, B.S., *Department Chair*

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*	3 cr	
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	3 cr	
			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*		12 cr
	Courses addressing an interdisciplinary topic.		
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
	16 cr

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	1 cr
	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
	15 cr

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	1 cr
	16 cr

JUNIOR YEAR

FALL

Core Distribution	3 cr
Core Distribution	3 cr
Elective	3 cr
Elective	3 cr
Elective	3 cr
	15 cr

SPRING

FASH 310 Apparel Development III	3 cr
FASH 345 Fash Design III: Design Workshop	3 cr
Core Distribution	3 cr
Core Distribution	3 cr
Elective	3 cr
	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	3 cr
	15 cr

SPRING

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

REQUIREMENTS FOR A MINOR IN FASHION MERCHANDISING

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 Department Chair

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 Apparel Supply Chain Management
- 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	3 cr	
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	3 cr	
Credit Requirement in Related Fields			27 cr
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*	12 cr	
	Courses addressing an interdisciplinary topic		
Total Core/Liberal Studies Requirements			37 cr
4.0	Electives		22 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.

** Prerequisite for BUS 320 Financial Management.

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

FRESHMAN YEAR

FALL		**SPRING**	
FASH 100 Fashion Culture & Commerce	3 cr	FASH 200 Textiles	3 cr
FYS 101 First Year Seminar	4 cr	COM 102 Intro to Communications	3 cr
ENG 120 College Writing	3 cr	ECON 104 Principles of Macroeconomics	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core Distribution	3 cr
ECON 103 Principles of Microeconomics	3 cr	Core Distribution	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
FASH 265 Principles of Retailing	3 cr	COM 220 Intro to Strategic Advertising	3 cr
FASH 245 Digital Fashion Design I	3 cr	FASH 235 Trend Forecasting	3 cr
Core Distribution	3 cr	FASH 304 Merch Planning & Control	3 cr
Core Distribution	3 cr	Elective	3 cr
Elective	3 cr	Core Distribution	3 cr
FASH 400 Employment Seminar	1 cr		
	16 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
FASH 300 Product Development	3 cr	FASH 381 History of Modern Fashion	3 cr
FASH 355 Buying, Planning Allocation	3 cr	ACCT 204 Managerial Accounting	3 cr
Core Distribution	3 cr	Core Distribution	3 cr
ART 281 History of Costume	3 cr	Core Distribution	3 cr
ACCT 203 Financial Accounting	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
BUS 320 Financial Management	3 cr	FASH 477 Fashion Capping	3 cr
FASH 455 Global Merchandising Strategies	3 cr	BUS 340 Marketing Principles	3 cr
Core Distribution (if needed)	3 cr	Core Distribution (if needed)	3 cr
Elective	3 cr	Electives	3 cr
Elective	3 cr	Electives	3 cr
	15 cr		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.

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	3 cr

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	3 cr

Credit Requirement in Related Fields		9 cr	
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*	12 cr	
	Courses addressing an interdisciplinary topic		
Total Core/Liberal Studies Requirements			40 cr
4.0	Electives		22 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 PRODUCT DEVELOPMENT CONCENTRATION

FRESHMAN YEAR

FALL		**SPRING**	
FASH 100 Fashion Culture & Commerce	3 cr	FASH 200 Textiles	3 cr
FYS 101 First Year Seminar	4 cr	FASH 245 Digital Fashion Design	3 cr
ENG 120 College Writing	3 cr	FASH 265 Retailing Principles & Practices	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core Distribution	3 cr
COM 102 Intro to Communications	3 cr	Core Distribution	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
FASH 268 Digital Fashion Design II	3 cr	FASH 300 Product Development	3 cr
FASH 235 Trend Forecasting	3 cr	FASH 304 Merchandise Planning & Control	3 cr
Core Distribution	3 cr	Core Distribution	3 cr
Core Distribution	3 cr	Core Distribution	3 cr
Elective	3 cr	Elective	3 cr
FASH 400 Employment Seminar	1 cr		
	16 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
FASH 341 Branding & Licensing	3 cr	FASH 318 Apparel Supply Chain Management	3 cr
COM 220 Intro to Strategic Advertising	3 cr	FASH 325 Private Label	3 cr
Core Distribution	3 cr	ART 281 History of Costume	3 cr
Core Distribution	3 cr	Core Distribution	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
FASH 305 Sustainability	3 cr	FASH 455 Global Merchandising Strategies	3 cr
FASH 381 History of Modern Fashion	3 cr	FASH 477 Fashion Capping	3 cr
FASH 415 Web PDM	3 cr	Core Distribution (if needed)	3 cr
Core Distribution (if needed)	3 cr	Electives	3 cr
Elective	3 cr	Electives	3 cr
		Electives	3 cr
	15 cr		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	

Credit Requirement in Related Fields 21 cr

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*	12 cr	
Courses addressing an interdisciplinary topic		
Total Core/Liberal Studies Requirements		40 cr
4.0 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		**SPRING**	
FASH 100 Fashion Culture & Commerce	3 cr	FASH 200 Textiles	3 cr
FYS 101 First Year Seminar	4 cr	COM 103 Digital Toolbox	3 cr
ENG 120 College Writing	3 cr	Core Distribution	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core Distribution	3 cr
COM 102 Intro to Communications	3 cr	Core Distribution	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
FASH 245 Digital Fashion Design	3 cr	FASH 281 Trend	3 cr
FASH 265 Retailing Principles & Practices	3 cr	FASH 400 Employment Seminar	1 cr
COM 211 Fundamentals of PR	3 cr	COM 220 Intro to Strategic Advertising	3 cr
Core Distribution	3 cr	Core Distribution	3 cr
Core Distribution	3 cr	Core Distribution	3 cr
		Elective	3 cr
	15 cr		16 cr

JUNIOR YEAR

FALL		**SPRING**	
FASH 300 Product Development	3 cr	FASH 341 Branding & Licensing	3 cr
ART 281 History of Costume	3 cr	FASH 381 History of Modern Fashion	3 cr
Fashion Menu Choice 1	3 cr	COM 333 Applied Research Analytics	3 cr
Elective	4 cr	Core Distribution	3 cr
		Elective	3 cr
	13 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
FASH 455 Global Merchandising Strategies	3 cr	Fashion Menu Choice 3	3 cr
Fashion Menu Choice 2	3 cr	FASH 477 Fashion Capping	3 cr
COM Menu Choice 1	3 cr	Core Distribution	3 cr
COM Menu Choice 2	3 cr	Electives	6 cr
Core Distribution	3 cr		
Core Distribution	3 cr		
	15 cr		15 cr

REQUIREMENTS FOR A MINOR IN PRODUCT DEVELOPMENT

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

CLAIRE KEITH, Ph.D., *Chairperson and French 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.

Students majoring in French should be aware that at least one semester of study in a French Immersive environment is necessary to be able to meet the ACTFL proficiency guidelines used by the department in the final assessment of the Capping course and final Capping Oral Presentation.

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 Grenoble, featuring multiple housing options 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	3 cr	
		15 cr

2.0 Approved courses in tracks

Single Major track

FREN 250 French Culture & Thought OR		
FREN 325 French in a Digital Age	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 322 Seminar In Francophone Studies 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	3 cr	
FREN 394 Internship in French**		
FREN 477 Capping	3 cr	
		21 cr

Double Major Track

FREN 250 French Culture & Thought OR		
FREN 310 French Grammar and Composition I OR		
FREN 325 French in Digital Age	3 cr	
FREN 315 French Literature of Africa and the Caribbean OR		
FREN 322 Seminar In Francophone Studies OR		
FREN 330 Modern Literary Perspective: the 20th and 21st Century	3 cr	
FREN 311 French Grammar and Composition II OR		

	FREN 345 Interdisciplinary Unit	3 cr	
	FREN 440 French for Current Affairs OR		
	FREN 397 Internship in French**	3 cr	
	FREN 477 Capping	3 cr	
			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	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	3 cr	
			21 cr
	Pathway*		12 cr
	Courses addressing an interdisciplinary topic.		
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 OR		
FREN 310 French Grammar and Composition I OR		
FREN 325 French in a Digital Age	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 OR		
FREN 322 Seminar in Francophone Studies OR		
FREN 397 Internship In French OR		
FREN 440 French for Current Affairs	3 cr	
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 117 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		**SPRING**	
FREN 201	3 cr	FREN 202	3 cr
FYS 101 First Year Seminar	4 cr	Core/LS	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS	3 cr
Elective	3 cr	Elective	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
FREN 250	3 cr	FREN 251	3 cr
FREN 305 (Core Lit)	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Elective	3 cr	Ethics	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR (Marist Abroad France)

FALL		**SPRING**	
FREN 310	3 cr	FREN 440 OR FREN 394	3 cr
FREN 311* or elective	3 cr	Core/LS	3 cr
FREN 315	3 cr	Core/LS	3 cr
FREN 345	3 cr	Elective	3 cr
FREN upper level *	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
Elective or FREN 477 Capping course	3 cr	FREN 477 Capping Course	3 cr
Core/LS	3 cr	Electives	12 cr
Electives	9 cr		
	15 cr		15 cr

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 446 Computer Graphics		
	GAME 401 Human Computer Interaction		
	Select 7-9 credits from the following:		7-9 cr
	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 Mathematics	4 cr	
	PHYS 211 General Physics I	3 cr	
Credit Requirement in Related Fields			7 cr
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	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	3 cr	
			18 cr

	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic			
Total Core/Liberal Studies Requirement				37 cr
4.0	Electives			15 cr
	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 446 Computer Graphics			
	GAME 401 Human Computer Interaction			
	MATH 205 Discrete Mathematics			
	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*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives			12 cr
	Includes 6 credits of Internship			
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		**SPRING**	
GAME 101 Introduction to Games	3 cr	CMPT 220 Software Development I	4 cr
FYS 101 First Year Seminar	4 cr	ENG 120 Writing for College	3 cr
CMPT 120 Introduction to Programming	4 cr	PHIL 101 Philosophical Perspectives	3 cr
Core/LS: Math 205	4 cr	MDIA 103 Digital Toolbox	3 cr
		Core/LS: Physics	3 cr
	15 cr		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	3 cr
	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	1 cr
	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	2 cr
	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
	14 cr

SENIOR YEAR

FALL

GAME 481 Capping	3 cr
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
	14 cr

SPRING

Elective	3 cr
Concentration Elective	4 cr
Concentration Elective	4 cr
Elective/ Internship	6 cr
	17 cr

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	3 cr
	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	3 cr
	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	1 cr
	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
	16 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
Concentration Elective	3 cr
	13 cr

SPRING

MDIA 316 Ethics and Gaming	3 cr
Concentration Elective	3 cr
Pathway Elective	3 cr
Concentration Elective	3 cr
Employment Practicum	1 cr
	13 cr

SENIOR YEAR

FALL

GAME 481 Capping	3 cr
GAME 480 Game Studio	3 cr
Elective	3 cr
Concentration Elective	3 cr
Concentration Elective	3 cr
	15 cr

SPRING

Elective	3 cr
Concentration Elective	3 cr
MDIA 410 Game Design II	3 cr
Internship	6 cr
	15 cr

GLOBAL STUDIES MINOR

CLAIRE 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 2020-2021 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 (requred for Public History Concentration)			
	History Electives taken at the 300-level seminar courses	9 cr		
	Choose one of the following:	6 cr		
	Standard History Major:			
	History Electives	6 cr		
	Public History Concentration:			
	HIST 205 Introduction to Public History	3 cr		
	HIST 496 Public History Internship II	3 cr		
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	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	0 cr	(fulfilled by major field req.)	
	Literature	3 cr		
	Mathematics	3 cr		
	Natural Science	3 cr		
	Social Science	3 cr		
			21 cr	
	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives			35 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: 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 117 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	9 cr	
	(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	3 cr	
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 Technology for Educational Professionals	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	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	0 cr	(fulfilled by major field req.)
	Literature	3 cr	
	Mathematics	3 cr	
	Natural Science	3 cr	
	Social Science	0 cr	(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		2-5 cr
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		**SPRING**	
FYS 101 First Year Seminar	4 cr	CMPT 103	3 cr
ENG 120 Writing for College	3 cr	HIST 226, 227, 248, 249, or 252	3 cr
PHIL 101 Philosophical Perspectives	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	3 cr	Core/LS	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
HIST 226, 227, 248, 249, or 252	3 cr	HIST 200 Latin America/Asia/Africa	3 cr
HIST 200 Latin America/Asia/Africa	3 cr	HIST 200 Latin America/Asia/Africa	3 cr
Core/LS	3 cr	Core/LS	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
HIST Elective (200 level)	3 cr	HIST Elective (300 level)	3 cr
HIST Elective (200 level)	3 cr	HIST Elective (300 level)	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		SPRING	
HIST 477	3 cr	HIST 497 or HIST Elective (300 level)	3 cr
HIST Elective (300 level) or HIST 413	3 cr	Core/LS	3 cr
Core/LS	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	2 cr
	15 cr		14 cr

REQUIREMENTS FOR A MINOR IN HISTORY

HIST 248, HIST 249, HIST 252, or HIST 263 (or another European course approved by the Chairperson)	3 cr	
HIST 218, HIST 220, HIST 226, HIST 227, or HIST 228 (or another American course approved by the Chairperson)	3 cr	
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 course to be approved by Chairperson)	3 cr	
Any three HIST courses	9 cr	
Total Credit Requirement for a Minor in History		18 cr

HONORS IN CORE/LIBERAL STUDIES

MARY STONE, 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 Mathematics	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	3 cr		
			7 cr	
3.2	DISTRIBUTION			
	Breadth			
	PHIL 101 Philosophical Perspectives	3 cr		
	Ethics (CMPT 305 Technology, Ethics, and Society recommended)	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***		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives and/or internship	4-7 cr		
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: For elective credits, the following exclusions apply - CMPT 300, CMPT 305, and internship credits.

***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 Mathematics	4 cr	
	MATH 241 Calculus I	4 cr	
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	3 cr	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics (CMPT 305 Technology, Ethics, and Society recommended)	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**		12 cr
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			37 cr
4.0	Electives and/or internship		9-10 cr
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: For elective credits, the following exclusions apply – CMPT 300, CMPT 305, and internship credits.

** 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	3 cr
	16 cr

SPRING

CMPT 220 Software Development I	4 cr
CMPT 230 Software Systems and Analysis	4 cr
MATH 205 Discrete Mathematics	4 cr
FYS 101 First-Year Seminar	4 cr
	16 cr

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	3 cr
	15 cr

SPRING

MATH 241 Calculus I	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core/LS	3 cr
	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	5-6 cr
	15 cr

SPRING

CMPT 420 Internet Security	4 cr
Platform technology elective	3-4 cr
Core/electives	7-8 cr
	15 cr

SENIOR YEAR

FALL

CMPT 410 Systems administration	4 cr
CMPT 430 Technology Entrepreneurship	3 cr
CMPT 477 ITS Project I	3 cr
CMPT 478 ITS Project II	1 cr
Core/electives	3 cr
	15 cr

SPRING

ITS Upper-level elective	3-4 cr
Core/electives	9-10 cr
	13 cr

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	3 cr
	16 cr

SPRING

CMPT 220 Software Development I	4 cr
CMPT 230 Software Sys & Analysis	4 cr
MATH 205 Discrete Mathematics	4 cr
FYS 101 First-Year Seminar	4 cr
	16 cr

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	3 cr
	15 cr

SPRING

MATH 241 Calculus I	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core L/S	3 cr
	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	3 cr
	15-16 cr

SPRING

ACCT 203 Financial Accounting	3 cr
CMPT 460 Decision Support & Business Intel Sys	4 cr
CMPT 305 Technology, Ethics and Society	3 cr
Core L/S	3 cr
General Elective	3 cr
	16 cr

SENIOR YEAR

FALL

CMPT 477 ITS Project I	3 cr
CMPT 478 ITS Project II	1 cr
CMPT 428 Data & Infor Management	4 cr
Core L/S	3 cr
Core L/S	3 cr
	14 cr

SPRING

BUS 340 Marketing Management	3 cr
Core L/S	3 cr
General Elective	3 cr
General Elective	3-4 cr
	12-13 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 Mathematics	4 cr	
	MATH 241 Calculus I	4 cr	
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	3 cr	
			7 cr
3.2	DISTRIBUTION		
	Breadth		
	PHIL 101 Philosophical Perspectives	3 cr	
	Ethics (CMPT 305 Technology, Ethics, and Society recommended)	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	0 cr	(fulfilled by major req.)	
			18 cr	
	Pathway*			
	Courses addressing an interdisciplinary topic		12 cr	
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	3 cr		
				9 cr
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	9 cr		
Total Graduate Credits, Fifth Year				24 cr
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 Mathematics	4 cr	
	MATH 241 Calculus I	4 cr	
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	3 cr		
			7 cr	
3.2	DISTRIBUTION			
	Breadth			
	PHIL 101 Philosophical Perspectives	3 cr		
	Ethics (CMPT 305 Technology, Ethics, and Society recommended)	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		
			21 cr	
	Pathway*			
	Courses addressing an interdisciplinary topic		12 cr	
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	3 cr		
				9 cr
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	9 cr		
Total Graduate Credits, Fifth Year				24 cr
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		**SPRING**	
CMPT 120 Introduction to Programming	4 cr	CMPT 220 Software Development I	4 cr
MATH 130 Introduction to Statistics	3 cr	CMPT 230 Software Systems & Analysis	4 cr
BUS 100 Introduction to Business & Mgmt.	3 cr	MATH 205 Discrete Mathematics	4 cr
ENG 120 Writing for College	3 cr	FYS 101 First-Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr		
	16 cr		16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
CMPT 306 Data Communication & Networks	4 cr	MATH 241 Calculus I	4 cr
CMPT 221 Software Development II	4 cr	CMPT 307 Internetworking	4 cr
CMPT 308 Database Management	4 cr	CMPT 330 System Design	4 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		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	3 cr
	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	3 cr
	16 cr

SENIOR YEAR

FALL

CMPT 477 ITS Project I	3 cr
CMPT 478 ITS Project II	1 cr
MSIS527 Systems & Inf. Concepts in Org.	3 cr
MSIS 545 Into to Data Analysis & Comp. Stats.	3 cr
Core/LS	3 cr
	13 cr

SPRING

MSIS 645 Data Mining & Pred. Analytics	3 cr
Core/LS	3 cr
Core/LS	3 cr
General Elective or Internship	4 cr
	13 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
	12 cr

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
	12 cr

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	3 cr
	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
	16 cr

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	3 cr
	15 cr

SPRING

MATH 241 Calculus I	4 cr
CMPT 307 Internetworking	4 cr
CMPT 330 System Design	4 cr
Core/LS	3 cr
	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
	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
	16 cr

SENIOR YEAR

FALL

CMPT 477 ITS Project I	3 cr
CMPT 478 ITS Project II	1 cr
CMPT 410 Systems Administration.	4 cr
MSIS527 Systems & Inf. Concepts in Org.	3 cr
CMPT 430 Technology Entrepreneurship	3 cr
	14 cr

SPRING

CMPT Upper Level Elective	4 cr
MSIS 601 Network Design & Implement.	3 cr
MSIS/MSCS/MBA approved elective	3 cr
Core/LS	3 cr
	13 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
	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
	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
CMPT 307 Internetworking	4 cr
MATH 205 Discrete Mathematics	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

CYBERSECURITY CERTIFICATE

The Cybersecurity Certificate program consists of three online courses, all of which offer hands-on experience in a cloud-based virtual lab environment. Students will be able to practice common hacks and defense strategies, and learn how to scan websites and cloud environments for security vulnerabilities. Practical examples of recent security breaches will be discussed to illustrate applications of the course materials. Course materials were designed to cover requirements from the NSA, Department of Homeland Security, Department of Defense, and CISSP, among others.

Admission Requirements: HS diploma or equivalency. Recommended prerequisites include familiarity with introductory programming principles and data networking; there are no specific computer language requirements.

Requirements and Sequencing:
Students must pass each course with a "C" or better to attain certificates.

CMPT 416 Introduction to Cybersecurity	4 cr	
CMPT 417 Hacking and Penetration Testing	3 cr	
CMPT 418 Mobile Security	4 cr	
		11 cr

DATA CENTER FACILITIES MANAGEMENT ASSOCIATE AND PROFESSIONAL CERTIFICATES

The Data Center Facilities Management Associate and Professional Certificate programs provide training in critical infrastructure design, management, and problem-solving acumen. While learning relevant, job-related skills, participants earn undergraduate credits that can be applied toward a fully online bachelor's degree at Marist College. The program provides participants with essential knowledge and skills in facilities management, infrastructure, power, cooling, data communication, project management and cloud computing.

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.

CMPT130 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:
Successful completion of the Associate Certificate in Data Center Facilities Management (above) plus:
Students must pass each course with a "C" or better to attain certificates.

CMPT 306 Data Communication and Networks	4 cr	
CMPT 309 Project Management	3 cr	
CMPT 483 Cloud Infrastructure and Services	4 cr	
		20 CR

INFORMATION TECHNOLOGY MANAGEMENT MINOR

DANIEL SZPIRO, Ph.D., *Dean*

The minor in Information Technology (IT) Management addresses critical skills for any manager to contribute to the success of an organization. The courses within the minor offer a comprehensive foundation in key management skills as well as courses focused on the specific managerial issues and challenges with respect to information technology. Students enrolled in an undergraduate degree program offered through the School of Professional Programs (i.e., the Management Studies major and the Professional Studies major) may find the inclusion of this minor in their degree studies as an important means to distinguish themselves when seeking new employment or working to advance their careers.

REQUIREMENTS FOR A MINOR IN INFORMATION TECHNOLOGY MANAGEMENT

ORG 100 Exploring Business and Management OR		
ORG 101 Managing and Leading in Organizations	3 cr	
ORG 202 Global Issues in Business and Society OR		
ORG 301 Managing Human Resources	3 cr	
ORG 302 Behaviors in Organizations	3 cr	
CMPT 130 Information Technology and Systems Concepts	3 cr	
CMPT 300 Management and Information Systems	3 cr	
CMPT 309 Project Management	3 cr	
Total Credit Requirement for a Minor in Information Technology Management		18 cr

ITALIAN

CLAIRE KEITH, Ph.D., *Chairperson*
MAUREEN MELITA, Ph.D., *Coordinator of Italian*

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).

Students majoring in Italian should be aware that at least one semester of study in an Italian immersive environment is necessary to be able to meet the ACTFL proficiency guidelines used by the department in the final assessment of the Capping course and final Capping Oral Presentation.

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.	21 cr	
		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.	15 cr	
		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	3 cr	
		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	3 cr	
		21 cr

Pathway* 12 cr

Courses addressing an interdisciplinary topic.

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:	6 cr
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		**SPRING**	
ITAL 201 Advanced Italian I	3 cr	ITAL 281 Italian Conversation I	3 cr
FYS 101 First Year Seminar	4 cr	Core/LS	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS	3 cr
Elective	3 cr	Elective	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
ITAL 282 Advanced Reading and Composition	3 cr	ITAL 250 Civilizations of Italy	3 cr
ITAL 300 or 400 Language/Literature	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Elective	3 cr	Core/LS	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**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	ITAL 300 or 400 Level Elective	3 cr
ITAL 300 or 400 Level Literature	3 cr	ITAL 300 or 400 Level Elective	3 cr
ITAL 300 or 400 Level Language	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
ITAL 300 or 400 Level Elective	3 cr	ITAL 477 Capping Course	3 cr
Electives	12 cr	Electives	11 cr
	15 cr		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.	0-6 cr	
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.

MANAGEMENT STUDIES

DANIEL A. SZPIRO, Ph.D., *Dean*

MISSION:
The Management Studies major is a program designed for adult learners (i.e., students who are typically working full-time and managing family responsibilities while studying) interested in earning a business-related degree in order to help achieve their career goals. The program allows adult learners to complete a compact yet comprehensive set of courses that cover the critical suite of general management skills. At the same time, the Management Studies major, which leads to the award of a Bachelor of Science degree, is still accessible for students who also bring transfer credits with them into the program. Students applying to and enrolled in undergraduate programs offered by the School of Professional Programs may be eligible to have academic credit awarded for work successfully completed in courses recommended for credit by the American Council on Education (ACE). Please contact the School of Professional Programs for further information.

REQUIREMENTS FOR A BACHELOR OF SCIENCE IN MANAGEMENT STUDIES

1.0	Course Requirements in Management Studies	
	ORG 100 Exploring Business and Management	3 cr
	ORG 202 Global Issues in Business and Society	3 cr
	MGMT 205 Topics in Accounting	3 cr
	MGMT 206 Topics in Economics *	3 cr
	ORG 301 Managing Human Resources	3 cr
	ORG 302 Behaviors in Organizations	3 cr
	MGMT 320 Introduction to Financial Management	3 cr
	ORG 321 Issues in Leadership	3 cr
	ORG 340 Foundations of Marketing	3 cr
	MGMT 388 Topics in Operations Management	3 cr
	MGMT 477 Strategic Management and Policy (Capping)	3 cr
Credit Requirements in Management Studies		33 cr

2.0	Course Requirements in Related Fields			
	MATH 130 Introductory Statistics I**	3 cr		
Credit Requirements in Related Fields			3 cr	
* Fulfills one Core/LS Social Science requirement				
** Fulfills one Core/LS Math requirement				
Total Credit requirement in Management Studies				36 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	
** Students who transfer in 24 or more earned credits are exempt from the First Year Seminar				
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 (fulfilled by major field requirement)	0 cr		
	Natural Science	3 cr		
	Social Science	3 cr		
Credit Requirements in Distribution: Breadth			21 cr	
	Pathway***			
	Courses addressing an interdisciplinary topic		12 cr	
*** Students who transfer in 36 or more earned credits are exempt from the Pathway requirement				
Total Credit Requirements for Core/Liberal Studies				40 cr
4.0	General electives and/or internships			44 cr
Total Credit Requirement for Graduation				120 cr

MATHEMATICS

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, 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 Partial Differential Equations			
	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				43 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	3 cr		
	Social Science	3 cr		
			21 cr	
	Pathway**		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives			37 cr

Students are encouraged to take courses in business, computer and information sciences, foreign languages, the natural sciences, and social sciences.

Total Credit Requirement for Graduation 120 cr

* 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		**SPRING**	
MATH 241 Calculus I	4 cr	MATH 242 Calculus II	4 cr
DATA 220 Intro Data OR CMPT 120 Into. Prog.	4 cr	PHIL 101 Philosophical Perspectives	3 cr
FYS 101 First Year Seminar	4 cr	Core/LS	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
		Core/LS	3 cr
	15 cr		16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
MATH 343 Calculus III	4 cr	MATH 310 Intro Math Reasoning	3 cr
MATH 210 Linear Algebra	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	General Elective	3 cr
General Elective	3 cr	General Elective	3 cr
	16 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
MATH 300/400-level Requirement	3 cr	MATH 300/400-level Elective	3 cr
MATH 300/400-level Requirement	3 cr	MATH 300/400-level Elective	3 cr
Core/LS	3 cr	Core/LS	3 cr
General Elective	3 cr	General Elective	3 cr
General Elective	3 cr	General Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
MATH 300/400-level Requirement	3 cr	MATH 477 Capping Course	3 cr
MATH 300/400-level Elective	3 cr	General Elective	3 cr
Core/LS	3 cr	General Elective	3 cr
General Elective	3 cr	General Elective	4 cr
General Elective	3 cr		
	15 cr		13 cr

REQUIREMENTS FOR A MINOR IN MATHEMATICS

MATH 241, 242, 343, Calculus I-III	12 cr
Select Any Two:	
MATH 210 Linear Algebra	3 cr
MATH 205 Discrete Mathematics	4 cr
MATH 310 Introduction to Mathematical Reasoning	3 cr
MATH 321 Differential Equations	3 cr

Total Credit Requirement for a Minor in Mathematics 18-19 cr

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	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	3 cr		
			24 cr	
	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				43 cr
3.0	General Electives and Internship			29 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 402 Advanced Post Production
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		**SPRING**	
FYS 101 First Year Seminar	4 cr	MDIA 102 Introduction to Media Studies	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
MDIA 103 Digital Toolbox	3 cr	Core/LS	3 cr
MDIA 120 Art of Film	3 cr	Core/LS	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
MDIA 201 Writing for Media	3 cr	MDIA Theory/History/Analysis	3 cr
MDIA 203 Video Production	3 cr	MDIA Elective	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL

MDIA 321 Film Theory and Criticism	3 cr
MDIA Production	3 cr
MDIA Production	3 cr
Core/LS	3 cr
Elective	3 cr
	15 cr

SPRING

MDIA Theory/History/Analysis	3 cr
MDIA Elective	3 cr
Elective	3 cr
Elective	3 cr
Elective	3 cr
	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	3 cr
	15 cr

SPRING

MDIA 480 Capping	3 cr
MDIA Production	3 cr
Elective or Internship	3 cr
Elective or Iinternship	3 cr
Elective or Internship	2 cr
	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	3 cr
	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	3 cr
	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	3 cr
	15 cr

SPRING

MDIA 310 Interactive Media II	3 cr
MDIA Production	3 cr
Core/LS	3 cr
Core/LS	3 cr
Core/LS	3 cr
	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	3 cr
	15 cr

SPRING

MDIA Theory/History/Analysis	3 cr
MDIA Elective	3 cr
Elective	3 cr
Elective	3 cr
Elective	3 cr
	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	3 cr
	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	2 cr
	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)	3 cr
	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	3 cr
	15 cr

SOPHOMORE YEAR

FALL		SPRING	
MDIA 201 Writing for Media	3 cr	MDIA 321 Film Theory and Criticism	3 cr
MDIA 203 Video Production	3 cr	MDIA 310 Interactive Media II	3 cr
MDIA 210 Interactive Media I	3 cr	MDIA Theory/History/Analysis*	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		SPRING	
MDIA 311 Media Theory and Methods	3 cr	MDIA Theory/History/Analysis*	3 cr
MDIA 302 Editing	3 cr	MDIA Theory/History/Analysis*	3 cr
MDIA 304 Audio Production	3 cr	Elective	3 cr
MDIA Theory/History/Analysis*	3 cr	Core/LS	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		SPRING	
MDIA Production**	3 cr	MDIA 480 Capping	3 cr
MDIA Theory/History/Analysis*	3 cr	MDIA Production**	3 cr
Elective or Internship	3 cr	MDIA Production**	3 cr
Elective or Internship	3 cr	Elective or Internship	3 cr
Elective or Internship	3 cr	Elective or Internship	2 cr
	15 cr		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.

Medicial techonolgists assist physicians in the diagnosis and treatment of diseases by performing tests on tissue, blood and other body fluids. Medical lab technicians most commonly work in hospitals or doctors' offices.

OBJECTIVES:

THE PROGRAM OF STUDY IN MEDICAL TECHNOLOGY IS DESIGNED TO ACHIEVE THE FOLLOWING OBJECTIVES:

- To educate students to perform competently as entry-level medical technologists.
- To develop students' problem-solving skills and leadership qualities in preparation for educational and supervisory positions in medical technology.
- To cultivate students' 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 ten medical centers: MidHudson Regional Hospital of Westchester Medical Center, Poughkeepsie, NY; Vassar Brothers Medical Center, Poughkeepsie, NY; Putnam Hospital Center, Carmel, NY, Orange Regional Medical Center, Middletown, 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 with no grade below a C to participate in the clinical portion of the program. A grade of C or better is required in each clinical course (I and advanced). 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 402 Advanced Clinical Microbiology	3 cr		
	MEDT 403 Advanced Clinical Microbiology Lab	2 cr		
	MEDT 406 Advanced Clinical Chemistry	3 cr		
	MEDT 407 Advanced Clinical Chemistry Lab	2 cr		
	MEDT 411 Advanced Hematology	3 cr		
	MEDT 412 Advanced Hematology Lab	2 cr		
	MEDT 441 Advanced Clinical Immunology/Immunohematology	3 cr		
	MEDT 442 Advanced Clinical Immunology/Immunohematology Lab	2 cr		
	MEDT 445 Clinical Microscopy II	1 cr		
	MEDT 477 Topics in Medical Technology (Capping Course)	3 cr		
Credit Requirement in Medical Technology			46 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		
	PHIL 200 Ethics or Bioethics	3 cr		
Credit Requirement in Related Fields			39-42 cr	
Total Credit Requirement for a Major in Medical Technology				85-88 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 related field req.)	
	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	
		15 cr	
	Pathway*	12 cr	
	Courses addressing an interdisciplinary topic.		
Total Core/Liberal Studies Requirement			37 cr
4.0	Electives		0-1 cr
	Recommended Elective Courses:		
	BIOL 450 Biotechnology	4 cr	
	BIOL 320 Genetics	4 cr	
	MATH 241 Calculus I	4 cr	
	PHYS 201 College Physics I	3 cr	
	PHYS 213 Physics I 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		**SPRING**	
BIOL 130 General Biology I	4 cr	BIOL 131 General Biology II	4 cr
CHEM 111 General Chemistry I	3 cr	CHEM 112 General Chemistry II	3 cr
CHEM 115 General Chemisry I Lab	1 cr	CHEM 116 General Chemistry II Lab	1 cr
CMPT 103 Technology for 21st Century	3 cr	FYS 101 First Year Seminar	4 cr
ENG 120 Writing for College	3 cr	PHIL 101 Philosophical Perspectives	3 cr
		Elective	1 cr
	14 cr		16 cr

SOPHOMORE YEAR

FALL		**SPRING**	
MEDT 260 Methods in Med Tech	4 cr	MEDT 301 Clinical Microbiology I	4 cr
CHEM 201 Principles of Organic Chemistry	3 cr	MEDT 315 Hematology	4 cr
BIOL 312 Microbiology	4 cr	BIOL 315 Immunology	3 cr
MATH 130 Intro to Statistics	3 cr	Core/LS	3 cr
		MEDT 350 Clinical Found. Med. Lab. Sci.	1 cr
	14 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
Core/LS	4 cr	MEDT 305 Clinical Chemistry I	4 cr
MEDT 402 Adv Clinical Microbiology	3 cr	MEDT 340 Clinical Immunology/ Immunohematology I	4 cr
MEDT 403 Adv Clinical Microbiology Lab	2 cr	MEDT 345 Clinical Microscopy I	1 cr
PHIL 200 Ethics or Bioethics	3 cr	Core/LS	3 cr
MEDT 411 Advanced Hematology	3 cr	Core/LS	3 cr
MEDT 412 Advanced Hematology Lab	2 cr		
	16 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
MEDT 445 Clinical Microscopy II	1 cr	BIOL 421 Parasitology	4 cr
MEDT 406 Advanced Clinical Chemistry	3 cr	MEDT 477 Topics in Medical Technology (Capping)	3 cr
MEDT 407 Advanced Clinical Chemistry Lab	2 cr	Core/LS	3 cr
MEDT 441 Adv Clinical Immunology/ Immunohematology	3 cr	Core/LS	3 cr
MEDT 442 Adv Clinical Immunology/ Immunohematology Lab	2 cr	Core/LS	3 cr
Core/LS	3 cr		
	14 cr		16 cr

**Affiliate Medical Laboratory-Based Course Includes Outpatient and Inpatient Phlebotomy (1 week)

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 Immonochematology I
MEDT 441 AdvancedClinical Immunology/Immunohematology
MEDT 442 Advanced Clinical Immunology/Immunohematology Lab
MEDT 315 Hematology I

Clinical Microbiology

BIOL 312 Microbiology
BIOL 421 Parasitology
MEDT 301 Clinical Microbiology I
MEDT 402 Advanced Clinical Microbiology
MEDT 403 Advanced Clinial Microbiology Lab

Hematology

MEDT 260 Methods in Med Tech
MEDT 315 Hematology I
MEDT 411 Advanced Hematolgoy
MEDT 412 Advanced Hematoloy Lab
MEDT 345 Clinical Microscopy I
MEDT 445 Clinical Microscopy II

Clinical Chemistry

MEDT 305 Clinical Chemistry I
MEDT 406 Advanced Clinical Chemistry
MEDT 407 Advanced Clinical Chemistry Lab
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, 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 late antique through the early modern period. Students choose five electives from at least three different fields: English, Fine Arts (Art History and Music), History, Modern Languages and Cultures, Philosophy, Political Science, and 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; in considering "medievalim," or how the period is portayed in current media and why; and in comparing and contrasting past and contemporary society. The minor takes an inclusive and global approach ot the tiem period and so complements courses in a varity of disciplines by exmamining the basis for current concepts of race, gender, class, disability, fashion, politics, and globaliaiton, amoung other topics. The integration of study abroad into coursework is strongly encouraged. Courses that may be applied to the minor includee the following regular offering, as well as designated special topics and study abroad courses.

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 foreign language course at any level. 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 course in any foreign language at any level

2.0 Elective Courses 15 cr

Students must take five electives from the following courses or other language courses distributed throughout at least three fields:

ART 160 History of Western Art I
ART 180 History of Western Art II
ART 224 17th Century Art
ART 230 Greek & Roman Art
ART 245 Medieval Art
ART 281 History of Costume
ART 380 Renaissance Art
ENG 150 Intro to Theatre
ENG 212 English Literature I
ENG 221 Themes in Shakespeare
ENG 270 Classics of Western Literature
ENG 301 History of the English Language
ENG 320 English Drama I
ENG 324 Chaucer
ENG 325 Shakespeare
ENG 329 17th Century Literature
ENG 330 Medieval Literature
ENG 331 Renaissance Literature
ENG 361 Ancient Roman and Early Christian Literature
FREN 250 French Culture & Thought
HIST 242 Introduction to the African Diaspora
HIST 247 Ancient Rome
HIST 248 Medieval Europe
HIST 249 Early Modern Europe
HIST 255 Catholic Church in Modern Times
HIST 268 Traditional Asia
HIST 273 Colonial Latin America
HIST 314 History of Witchcraft and Sorcery
HIST 348 French Revolution
ITAL 250 Civilization of Italy
SPAN 150 Civilization of Spain
SPAN 250 Cultures of Spain
SPAN 420 Medieval Spanish Literature
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
POSC 112 Introduction to Political Theory
POSC 232 Classical Political Thought
REST 203 Christianity
REST 204 Judaism
REST 243 Catholic Thought and Spirituality
REST 245 Jesus and Discipleship
REST 300 Judeo-Christian Scriptures
REST 361 Ancient Roman and Early Christian Literature

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

ORGANIZATIONAL COMMUNICATION MINOR

DANIEL SZPIRO, Ph.D., *Dean*

The minor in Organizational Communication addresses critical skills for any manager to contribute to the success of an organization. The courses within the minor offer a comprehensive foundation and examination of the nature and application of communication in organizations. Students enrolled in an undergraduate degree program offered through the School of Professional Programs (i.e., the Management Studies major and the Professional Studies major) may find the inclusion of this minor in their degree studies as an important means to distinguish themselves when seeking new employment or working to advance their careers.

REQUIREMENTS FOR A MINOR IN ORGANIZATIONAL COMMUNICATION

COM 102 Introduction to Communication	3 cr	
COM 203 Interpersonal Communication	3 cr	
COM 211 Fundamentals of Public Relations Theory and Practice	3 cr	
COM 270 Organizational Communication	3 cr	
COM 302 Persuasion	3 cr	
COM 325 Intercultural Communication	3 cr	
Total Credit Requirement for a Minor in Organizational Communication		18 cr

ORGANIZATIONAL LEADERSHIP MINOR

DANIEL SZPIRO, Ph.D., *Dean*

The minor in Organizational Leadership addresses critical skills for any manager to contribute to the success of an organization. The courses within the minor offer a comprehensive foundation and examination of the nature and application of leadership in organizations. Students enrolled in an undergraduate degree program offered through the School of Professional Programs (i.e., the Management Studies major and the Professional Studies major) may find the inclusion of this minor in their degree studies as an important means to distinguish themselves when seeking new employment or working to advance their careers.

REQUIREMENTS FOR A MINOR IN ORGANIZATIONAL LEADERSHIP

ORG 101 Managing and Leading in Organizations	3 cr
ORG 202 Global Issues in Business and Society	3 cr
ORG 302 Behaviors in Organizations	3 cr
ORG 321 Issues in Leadership	3 cr
ORG 322 Leadership in the Global Workplace	3 cr
ORG 421 Strategic Leadership and Innovation	3 cr

Total Credit Requirement for a Minor in Organizational Leadership 18 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 36 cr
(Non-degree holders admitted to the program)

Total Credit Requirement for Paralegal Certificate for Non-Degree Holders 60 cr

2.0 Marist undergraduates must also fulfill their major field requirements for their degrees.
All 36 non-paralegal course credits, including transfer credits, must be acceptable toward a Marist degree.

PHILOSOPHY

JOSEPH CAMPISI, 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

A Philosophy Major must take thirty-three credits in Philosophy or in Philosophy & related fields (in the case of one particular concentration). At least three courses must be taken at the 300 level or higher. Substitutions for the following requirements can only be made with the approval of the Chair of the Department of Philosophy and Religious Studies.

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

1.0 Required Courses in Philosophy

1.1 Foundation courses: six (6) courses — 18 cr
PHIL 101 Philosophical Perspectives
PHIL 203 or PHIL 310 Logic requirement
PHIL 200 Ethics
PHIL 210 Ancient Philosophy
PHIL 211 Modern Philosophy
PHIL 243 Knowledge & Reality

1.2 Choose one of the following Concentrations: — 12 cr

1.2.1 General Philosophy (12 credits):
Choose any additional 4 PHIL courses

1.2.2 Religious Studies (12 credits):
REST 107 Intro. To Religion
REST 331 Philosophy of Religion.
Choose any additional 2 REST courses

1.2.3 Ethics & Society (12 credits):
Choose any 4 of the following courses
PHIL 213 Foundations of American Social Thought
PHIL 233 Philosophy of Education
PHIL 234 Social & Political Philosophy
PHIL 235 Philosophy & Technology
PHIL 237 Aesthetics
PHIL 301 Environmental Ethics
PHIL 302 Moral Cognition
PHIL 332 Philosophy of History
PHIL 333 Philosophy & Film
PHIL 334 Free Will
PHIL 340 Marx & Marxism
PHIL346 Bioethics
PHIL 347 Contemporary Moral Problems
PHIL 348 Ethics of Food
PHIL 349 Philosophy of Gender

1.2.4 Philosophy, Politics & Law (12 credits): :
PRLG 101 or POSC 110
PHIL 234 or POSC 112

Choose any 2 of the following courses:
PHIL 213 Foundations of American Social Thought
PHIL 233 Philosophy of Education
PHIL 301 Environmental Ethics
PHIL 302 Moral Cognition
PHIL 334 Free Will
PHIL 340 Marx & Marxism (cross-listed with POSC 340*)
PHIL 346 Bioethics
PHIL 349 Phil. of Gender
PHIL 340 Marx & Marxism (cross-listed with POSC 340*)
REST 230 Religion & Politics

REST 333 Religion & the Constitution
POSC 202 Environmental Politics & Policy*
POSC 210 Constitutional Law*
POSC 213 Politics & Human Rights*
POSC 214 Gender & the Law*
POSC 218 American Political Thought*
POSC 232 Classical Political Thought*
POSC 233 Modern Political Thought*
POSC 240 Intro to Public Policy*
POSC 300 US Constitutional Law: Civil Rights & Liberties*
POSC 310 Race & Political Thought*
POSC 320 Feminist Political Thought*
POSC 321 Contemporary Political Theory*
POSC 360 Congress Today*
PRLG 210 Intro to Legal Research & Writing*
*Course with prerequisite

1.3 Philosophy Capping course	3 cr		
PHIL477			
Total Credit Requirement in Philosophy		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 Philosophy		36 cr	
3.0 Core/Liberal Studies Requirements (for undergraduate programs)			
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	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	3 cr		
		18 cr	
Pathway*		12 cr	
Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement		37 cr	
4.0 Electives			47 cr
Total Credit Requirements 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 PHILOSOPHY

FRESHMAN YEAR

FALL		**SPRING**	
PHIL 101 Philosophical Perspectives	3 cr	Philosophy Foundation 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 Literature	3 cr
Core History	3 cr	Core Natural Science	3 cr
Core Mathematics	3 cr	Core Fine Arts	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
Philosophy Foundation Course	3 cr	Philosophy Foundation Course	3 cr
Philosophy Foundation Course	3 cr	Philosophy Foundation Course	3 cr
Core Social Science	3 cr	Core/LS Pathway Course #2	3 cr
Core/LS Pathway Course #1	3 cr	Core/LS Pathway Course #3	3 cr
General Elective	3 cr	General Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
Philosophy Concentration Course	3 cr	Philosophy Concentration Course	3 cr
Core/LS Pathway Course #4	3 cr	Elective LAS Course	3 cr
Elective LAS Course	3 cr	Elective LAS Course	3 cr
Elective LAS Course	3 cr	General Elective	3 cr
General Elective	3 cr	General Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
PHIL 477 Capping	3 cr	Philosophy Concentration Course	3 cr
Philosophy Concentration Course	3 cr	Elective LAS Course	3 cr
Elective LAS Course	3 cr	Elective LAS Course	3 cr
General Elective	3 cr	General Elective	3 cr
General Elective	3 cr	General Elective	3 cr
	15 cr		15 cr

REQUIREMENTS FOR A MINOR IN PHILOSOPHY

1.0	Foundation Course	3 cr	
	PHIL101 Philosophical Perspectives	3 cr	
	Choose any one (1) of the following		
	PHIL200 Ethics		
	PHIL301Environmental Ethics		
	PHIL302 Moral Cognition		
	PHIL346 Bioethics		
	PHIL347 Contemporary Moral Problems		
	PHIL348 Ethics of Food		
3.0	Electives	12 cr	
	Choose any four (4) additional PHIL courses		
Total Credit Requirement for a Minor in Philosophy			18 cr

Note: six (6) credits must be taken at the 300 level

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 licensed by an approved program of licensing or be a certified teacher of Physical Education. Marist has been approved as a certifying institution and is providing the courses leading to an intitial temporary coaching license 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: students must take either PHED 401 (Movement in Sports) or HLTH 300 (Kinesiology); students must take 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
   PHED 391 Track Coaching
4. Child Abuse and VIolence Abuse Workshops: in accordance with Section 801.4 completion of a study in child abuse identification and reporting, and school violence prevention and intervention. All candidates license shall have completed at least two clock hours of coursework or training reguardin the identification and reporting of suspected child abuse or maltreatment in accordance with the requiremets of sections 3003(4) and 3004 of the Education Law and completed at least two clock hours of coursework or training in school violence prevention and intervention, as required by section 3004 of the Education Law. Additional workshop includees: Training in Harassment, Bullying, Cyberbullying and Discrimination in Schools: Prevention and Intervention (DASA Training).

Check with the local BOCES for course offerings or go to the following links to find an online class:

http://www.highered.nysed.gov/tcert/certificate/ca.html (child abuse identification)

http://www.highered.nysed.gov/tcert/certificate/save.html (SAVE)

http://www.highered.nysed.gov/tcert/certificate/dasa.html (DASA Training)

To gain the temporary coaching license the applicant must submit evidence of acceptable first aid and CPR courses (see above) and concussion training course (Every 2 years).

http://www.cdc.gov/concussion/HeadsUp/online_training.html (Concussion Training)
http://www.nfhslearn.com/electiveDetail.aspx?courseID=38000

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 license, which is not issued by Marist College. It is also the student's responsibility to take appropriate steps to renew the temporary license every year for three years. After the third year the student can then apply for a professional coaching license, which is valid for three years.

Please refer to the following websites for information about contacting the New York State Education Department:

http://www.nysed.gov/curriculum-instruction/athletics-and-coaching
http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/coaching-course-nfhssecond-pathwayguideline-1-6-17-fdraft.pdf

Total Credit Requirement for a Certificate in Coaching 10 / 11 cr

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 Political Research Methods	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	3 cr	
		49 cr

2.0	Related Fields			
	CMPT 103 Technology for 21st Century OR			
	ENSC 230 Intro to GIS		3 cr	
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	0 cr	(fulfilled by major field req.)	
			21 cr	
	Pathway*		12 cr	
	Courses addressing an interdisciplinary topic.			
Total Core/Liberal Studies Requirement				40 cr
4.0	Electives			28 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 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 (one course must be at the 300 level) — 9 cr

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 189
Teacher Education Program – see page 117
Participation in Washington or Albany Semester Program – see Political Science Internship Coordinator
Political Science Internships – see Political Science Internship Coordinator

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN POLITICAL SCIENCE

(Public-Affairs Track: Consult with Advisors for International Track)

FRESHMAN YEAR

FALL		**SPRING**	
FYS 101 First Year Seminar	4 cr	Core/LS History	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS Literature	3 cr
ENG 120 Writing for College	3 cr	POSC 111 Intro Comparative Politics	3 cr
POSC 110 American National Government	3 cr	POSC 112 Intro Political Theory	3 cr
POSC 113 International Relations	3 cr	CMPT 103 Technology 21st Century	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
POSC 200 Level (American Politics)	3 cr	POSC 200 Level (Political Theory)	3 cr
POSC 200 Level (Global Politics)	3 cr	POSC 235 Political Research Methods	4 cr
Core/LS Math	3 cr	Core/LS Science	3 cr
Core/LS Fine Arts	3 cr	Core/LS Ethics	3 cr
Core/LS	3 cr	Core/LS	3 cr
	15 cr		16 cr

JUNIOR YEAR

FALL		**SPRING**	
POSC 300 Level	3 cr	POSC 300 Level	3 cr
POSC Elective	3 cr	POSC Elective	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
POSC 477 Capping: Law & Morality	3 cr	POSC Elective	3 cr
POSC Elective	3 cr	POSC Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	1 cr
	15 cr		13 cr

PROFESSIONAL STUDIES

DANIEL A. SZPIRO, Ph.D., *Dean*
JOEL T. BALDOMIR, Ph.D., *Faculty Director*

MISSION:
Recognizing that programs designed for traditional college students do not always meet the educational needs and career-related goals of adult learners (i.e., students who are typically working full-time and managing family responsibilities while studying), Marist offers a Bachelor's degree program designed for adult learners. The Professional Studies major provides the flexibility to tailor an education experience that meets an adult learner's personal and professional objectives while earning either a Bachelor of Arts or Bachelor of Science degree.

A Professional Studies major has three main components: the major credit component, the core credit component, and the elective credit component.

The first example of the flexibility of the Professional Studies major is reflected in the major credit component of the program. The major credit component requires a minimum of 45 credits. Of these 45 credits, all but 12 upper level credits (i.e., 300 and 400 level courses) can be transferred in from another college. Any remaining transfer credits may 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 advisement, to design their major credit component. The major credit component can be divided between 2 or 3 areas of study or concentrations, each with a minimum of 12 and a maximum of 24 credits. Some popular areas of study and concentration within the Professional Studies major are (but not limited to) the following:

- American Studies
- Behavioral Studies
- Data Center Facilities Management
- Enterprise Computing
- Information Technology Management
- Management Studies
- Organizational Communication
- Organizational Leadership
- Paralegal Certificate
- Professional Administration
- Project Management
- Public Management

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.

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 concentrations/areas of study. If a student chooses 3 concentrations/areas of study, each must have a minimum of 12 credits. If a student chooses 2 concentrations/areas of study, then each must have a minimum of 21 credits. 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.

Professional Studies Concentrations (min 15 credits)

Behavioral Studies
PSYC 101L Introduction to Psychology
Three - seven additional courses in Psychology (i.e., with PSYC prefix)

Information Technology Management
ORG 100N Exploring Business & Management
ORG 301N Managing Human Resources
CMPT 130L Information Technology & Systems Concepts
CMPT 300L Management & Information Systems
CMPT 309L Project Management
Optional: 1-3 selected ORG and/or COM courses

Management Studies
ORG 100N Exploring Business & Management
ORG 202N Global Issues in Business & Society
MGMT 205N Topics in Accounting
ORG 301N Managing Human Resources
ORG 321L Issues in Leadership
Optional: 1-3 selected ORG and/or COM and/or ECON and/or MGMT courses

Organizational Communication
COM 102L Introduction to Communication
COM 203L Interpersonal Communication
COM 211L Fundamentals of Public Relations Theory & Practice
COM 270L Organizational Communication
COM 302L Persuasion
Optional: 1-3 additional COM courses

Organizational Leadership
- ORG 101N Managing and Leading in Organizations
- ORG 302N Behaviors in Organizations
- ORG 321L Issues in Leadership
- ORG 322L Leadership in the Global Workplace
- ORG 421L Strategic Leadership and Innovation
- Optional: 1-3 selected ORG and/or COM courses

1.1 Transfer Credits applicable to areas of study.

All but 12 upper level credits may be transferred into the major from another institution.
Additional transfer credits can be applied to the core and/or elective credit component following general institutional guidelines. Students applying to and enroled in undergraduate programs offered by the School of Professional Programs may be eligible to have academic credit awarded for work successfully completed in courses recommended for credit by the American Council on Education (ACE). Please contact the School of Professional Programs for further information.

Total Credit Requirement for a Major in Professional Studies 45 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

**Students who transfer in 24 or more earned credits are exempt from the First Year Seminar

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	3 cr	
Mathematics	3 cr	
Natural Science	3 cr	
Social Science	3 cr	
		24 cr

Pathway*** 12 cr

Courses addressing an interdisciplinary topic.

***Students who transfer in 36 or more earned credits are exempt from the Pathway requirement.

Total Core/Liberal Studies Requirement 43 cr

3.0 Electives 32 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. 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.

Childhood Education, Grades 1-6, with Special Education Certification

Psychology majors have the opportunity to participate in a teacher certification program, which integrates a strong professional studies sequence in Childhood Education, grades 1-6, and Students with Disabilities with their academic major and the Core/Liberal Studies program.

Graduates of this program earn a B.S. Degree in Psychology and complete requirements for Childhood Education, grades 1-6, with Special Education 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	3 cr		
			14 cr	
1.1	Breadth of Psychology Major Requirements	16 cr		
	Students must complete 16 credits by choosing 5 courses		16 cr	
	from no less than 4 of the following 5 categories; one must be a			
	4-credit lab course:			
	Developmental Psychology (PSYC 317, 318, 321, 323)			
	Biological Psychology (PSYC 206, 210, 211, 301-305)			
	Sociocultural Psychology (PSYC 215, 220, 222, 307, 330, 331, 340, 385)			
	Learning and Cognition (PSYC 205, 306, 308, 315, 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.	6 cr		
	These credits may be any combination of the following:		6 cr	
	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).			
2.0	Course Requirements in Related Fields (Should be completed freshman year)			
	CMPT 103 Technology for the 21st Century	3 cr		
	MATH 130 Intro to Statistics	3 cr		
			6 cr	
Total Credit Requirement for a Major in Psychology				42 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	3 cr	
	Social Science	0 cr	(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		41 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 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

FIRST YEAR

FALL		**SPRING**	
PSYC 101 Introduction to Psychology	3 cr	MATH 130 Intro to Statistics	3 cr
PHIL 101 Philosophical Perspectives	3 cr	CMPT 103 Technology for 21st Century	3 cr
FYS 101 First Year Seminar	4 cr	Psychology Elective	3 cr
ENG 120 Writing for College	3 cr	Core/LS Breadth	3 cr
		Core/LS Breadth	3 cr
	13 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
PSYC 350 Psychology Research Methodology & Lab I	4 cr	PSYC 351 Psychology Research Methodology & Lab II	4 cr
Psychology Elective	3 cr	Psychology Elective	3 cr
Core/LS Pathway	3 cr	Core/LS Pathway	3 cr
Core/LS Breadth	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
	16 cr		16 cr

JUNIOR YEAR

FALL		**SPRING**	
PSYC 301, 302, 303, 304, 305, 306, 307, or 308	4 cr	Core/LS Breadth	3 cr
Elective	2 cr	Elective	3 cr
Psychology Elective	3 cr	Elective	3 cr
Core/LS Breadth	3 cr	Elective	3 cr
Core/LS Pathway	3 cr	Elective	3 cr
	15 cr		15 cr

Note: Either semester junior year would be a good time to travel abroad.

SENIOR YEAR

FALL		**SPRING**	
PSYC 487, 488, 485 or Psych Elective	3 cr	PSYC 487, 488, 485 or Psych Elective	3 cr
Core/LS Pathway	3 cr	PSYC 478	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

RECOMMENDED PROGRAM SEQUENCE FOR DOUBLE MAJOR IN CRIMINAL JUSTICE/ PSYCHOLOGY MAJORS

FIRST YEAR

FALL		**SPRING**	
FYS 101 First Year Seminar	4 cr	MATH 130 (Core L/S – Breadth)	3 cr
PHIL 101 Philosophical Perspectives	3 cr	CMPT 103 Technology for 21st Century	3 cr
ENG 120 Writing for College	3 cr	PSYC Elective	3 cr
PSYC 101 Intro to Psych (Core/LS Breadth)	3 cr	CRJU 235 Corrections and Penology	3 cr
CRJU 101 Introduction to CRJU	3 cr	Core/LS Breadth	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
PSYC 350 Research Methods I	4 cr	PSYC 351 Research Methods II	4 cr
CRJU 202 Criminology	3 cr	CRJU 305 Juvenile Justice & Delinquency	3 cr
CRJU 230 Policing	3 cr	PSYC Elective	3 cr
Core L/S – Breadth	3 cr	Core L/S – Breadth	3 cr
Core L/S – Pathway	3 cr	Elective	3 cr
	16 cr		16 cr

JUNIOR YEAR

FALL		**SPRING**	
CRJU 302 Courts	3 cr	PSYC Elective	3 cr
CRJU 306 Criminal Law & Procedure I	3 cr	Core L/S – Pathway	3 cr
Elective	3 cr	Core L/S – Pathway	3 cr
Core L/S – Breadth	3 cr	Elective	3 cr
PSYC 301, 302, 303, 304, 305, 306, 307, or 308	4 cr		
	16 cr		12 cr

SENIOR YEAR

FALL		**SPRING**	
PSYC 478 Capping	3 cr	CRJU 477 Senior Seminar Capping	3 cr
PSYC 487 Field Work	3 cr	CRJU 496 Intern I	3 cr
CRJU Elective	3 cr	Elective	3 cr
CRJU 314 or CRJU 440	3 cr	Elective	3 cr
Core L/S – Breadth	3 cr	Core L/S – Pathway	3 cr
	15 cr		15 cr

REQUIREMENTS FOR A MINOR IN PSYCHOLOGY

PSYC 101 Intro to Psychology	3 cr
Any five additional PSYC courses selected from	15 cr
no less than three of the following five elective categories:	
Developmental (PSYC 317, 318, 321, 323)	
Biological Psychology (PSYC 206, 210, 211, 301-305)	
Sociocultural Psychology (PSYC 215, 220, 222, 307, 330, 331, 340, 385)	
Learning and Cognition (PSYC 205, 306, 308, 315,342, 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 (CHILDHOOD EDUCATION, GRADES 1-6, AND SPECIAL EDUCATION)

OPTION I – NOT GOING ABROAD

FIRST YEAR

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
PSYC 101 Intro to Psychology	3 cr
	16 cr

SPRING

HIST 218 Hist & Cult Hudson Valley OR HIST 220 The Empire State (Core: History)	3 cr
Core/LS (Science)	3 cr
EDUC 102 Intro to Teaching	1 cr
EDUC 180 Concepts in Elem. Math OR MATH 192 Math Concepts	3 cr
PSYC 207 Exceptional Child	3 cr
PSYC 317 Child Development	3 cr
	16 cr

SOPHOMORE YEAR

FALL

EDUC 150 Technology for Educational Professionals	3 cr
Core/LS (MATH 130 Intro to Statistics)	3 cr
Core/LS/Pathway (Literature)	3 cr
Foreign Language #1	3 cr
MATH 130 Intro to Statistics	3 cr
	15 cr

SPRING

EDUC 350 Teach of Lang Arts	3 cr
PSYC 350 Research Methods	4 cr
PSYC 372 Psychoeducational Assessment	3 cr
EDUC 379 Culturally Responsive Ed OR equivalent Core/LS/Pathway Core: Fine Arts	3 cr
Foreign Language #2	3 cr
	16 cr

JUNIOR YEAR

FALL

EDUC 351 Lit, Lrn & Art in Social Studies	3 cr
EDUC 323 STEM I	4 cr
EDUC 324 STEM II	3 cr
EDUC 373 Princ Inst Stu w/ Disabilities	3 cr
Pathway	3 cr
EDUC 192 Teaching English Lang Lrnrs	1 cr
	16 cr

SPRING

EDUC 352 Assess & Rem of Reading & Writ	3 cr
EDUC 374 Curric Stat Stud w/ Disabilities	3 cr
EDUC 377 Social & Emotional Learning Approach to Classroom Management for ALL Students	3 cr
Core/LS Pathway	3 cr
PSYC 362 Measurement & Evaluation	3 cr
PSYC 479 Educational PSYC Seminar	1 cr
	16 cr

SENIOR YEAR

FALL

EDUC 462 Student Teaching	12 cr
	12 cr

SPRING

PSYC 478 Capping	3 cr
Core/LS (Ethics or Religious Studies)	3 cr
Core/LS or Elective	3 cr
Core/LS or Elective	3 cr
Core/LS/Pathway	3 cr
	15 cr

OPTION II – GOING ABROAD

FIRST YEAR

FALL

FYS 101 First Year Seminar	4 cr
PHIL 101 Philosophical Perspectives	3 cr
ENG 120L Writing for College	3 cr
EDUC 101 Foundations of Education	3 cr
PSYC 101 Intro to Psychology	3 cr
	16 cr

SPRING

EDUC 150 Technology for Education Professionals	3 cr
HIST 218 Hist & Cult Hudson Valley OR HIST 220 The Empire State (Core: History)	3 cr
MATH 130 Intro to Statistics	3 cr
PSYC 207 Exceptional Child	3 cr
PSYC 317 Child Development	3 cr
EDUC 102 Intro to Teaching	1 cr
	16 cr

SOPHOMORE YEAR

FALL

EDUC 180 Concepts in Elem Math OR MATH 192 Math Concepts	3 cr
PSYC 350 Research Methods	4 cr
Core/LS Science or Pathway	3 cr
Foreign Language #1	3 cr
	16 cr

SPRING

Foreign Language #2	3 cr
EDUC 379 Culturally Responsive Education	3 cr
Core/LS (Fine Arts)	3 cr
Core/LS (Ethics or Religious Studies)	3 cr
Core/LS Literature	3 cr
	15 cr

JUNIOR YEAR

FALL

EDUC 350 Teach of Lang Arts	3 cr
PSYC 362 Measurement & Evaluation	3 cr
PSYC 372 Psychoeducational Assessment	3 cr
Core/LS/Pathway (Science #2)	3 cr
Core/LS/Pathway (Literature #2)	3 cr
	15 cr

SPRING

EDUC 323 STEM I	3 cr
EDUC 324 STEM II	3 cr
EDUC 351 Lit, Lrn & Art in Social Studies	3 cr
EDUC 373 Princ Inst Stu w/ Disabilities	3 cr
Core/Pathway/Elective	3 cr
EDUC 192 Teaching English Lang. Lrns	1 cr
	16 cr

SENIOR YEAR

FALL

EDUC 352 Assess & Remed of Read/Writing	3 cr
EDUC 374 Curric Strat Stu w/ Disabilities	3 cr
EDUC 377 Social & Emotional Learning Approach To Classroom Management for ALL Students	3 cr
PSYC 478 Capping Course	3 cr
EDUC 460 Educational Seminar	1 cr
Core/LS/Pathway/Elective	3 cr
	16 cr

SPRING

EDUC 462 Student Teaching	12 cr
	12 cr

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 HIST 477 Capping Course	3 cr	
	Public History Internship	6-12 cr	
Total Requirement for a Concentration in Public History			18-21 cr
2.0	Recommended Course:		
	HIST 205 Introduction to Public History	3 cr	

PUBLIC PRAXIS 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 Perspectives on Social Institutions
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

GEORGANNA 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 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* 12 cr
Courses addressing an interdisciplinary topic.

Total Core/Liberal Studies Requirement 40 cr

4.0 Electives 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.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN RELIGION

FRESHMAN YEAR

FALL		**SPRING**	
PHIL 101 Philosophical Perspectives	3 cr	REST 201 Religion in America	3 cr
FYS 101 First Year Seminar	4 cr	REST 209 World Religions	3 cr
ENG 120 Writing for College	3 cr	Core/LS Science	3 cr
REST 107 Intro to Religion	3 cr	Core/LS Fine Arts	3 cr
Core/LS	3 cr	Elective	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
REST 203, 204 or 243	3 cr	REST 215 or REST 216	3 cr
Core/LS Social Science	3 cr	Core/LS History	3 cr
Elective	3 cr	Core/LS Literature	3 cr
Elective	3 cr	CMPT 103 Technology for 21st Century	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR

FALL		**SPRING**	
200 Level Religious Ethics course	3 cr	300-Level Religious Ethics course	3 cr
REST 300 or REST 371	3 cr	Core/LS Pathway	3 cr
Core/LS Pathway	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
REST 315 or REST 331	3 cr	REST 477 Capping	3 cr
Core/LS Pathway	3 cr	Core/LS Pathway	3 cr
REST Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
Elective	3 cr	Elective	2 cr
	15 cr		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	12 cr
Total Credit Requirement for a Minor in Religious Studies	18 cr

The student is required to select a member of the Department of Religious Studies to serve as his or her advisor and to obtain the approval of the Dean for the choice. The advisor will guide the student in the selection of courses and pursuit of the plan of study.

SOCIAL WORK AND SOCIOLOGY

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/.*

The minimum requirements for students to be admitted and continue in the Social Work Program:

1.) A grade-point average of 2.5 or higher

2.) Grades of C+ or higher in required Social Work and Sociology courses.

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: Preparation for Practice	1 cr		
	SOCW 395 Social Work with Diverse Populations	3 cr		
	SOCW 475 Social Work Methods II	3 cr		
	SOCW 478 Senior Integrative Seminar/Capping	3 cr		
	SOCW 484 Field Practicum and Seminar in Social Work I	5 cr		
	SOCW 485 Field Practicum and Seminar in Social Work II	5 cr		
Credit Requirement in Sociology and Social Work			50 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	3 cr		
Credit Requirement in Related Fields			12 cr	
Total Credit Requirement for a Major in Social Work				62 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	0 cr	(fulfilled by major field req.)	
	Social Science	0 cr	(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	21 cr
Total Credit Requirement for Graduation		120 cr

5.0 The student must obtain a grade of C or better in all sociology and social-work courses required for the major in social work.

* 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	4 cr
	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	3 cr
	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
	15 cr

SPRING (Recommended semester for Study Abroad)

Core/LS Fine Arts	3 cr
General Elective	3 cr
Core/LS Literature	3 cr
SOC 336 Social Inequality	3 cr
Core Pathway/Distribution	3 cr
	15 cr

JUNIOR YEAR

FALL

SOCW 330 Soc Serv Theory/Pract	3 cr
SOCW 345 Hum Beh Soc Environ	3 cr
SOC 440 Social Theory	3 cr
Core/LS	3 cr
General Elective	3 cr
	15 cr

SPRING

SOCW 344 Social Welfare Policies & Analysis	3 cr
SOCW 383 Social Work Methods I	3 cr
SOCW 382 Junior Field Education: Prep for Practice	1 cr
SOCW 395 Social Work w/Diverse Populations	3 cr
Core Pathway/Distribution	3 cr
General Elective	3 cr
	16 cr

SENIOR YEAR

FALL

SOC 480 Social Research Methods	3 cr
SOCW 475 Social Work Methods II	3 cr
SOCW 484 Field Pract. & Sem. Social Work I	5 cr
General Elective	3 cr
General Elective	2 cr
	16 cr

SPRING

SOC 341 Social Change	3 cr
SOCW 478 Senior Integrative Sem/Capping	3 cr
SOCW 485 Field Pract. &Sem. in Social Work II	5 cr
General Elective	3 cr
General Elective	1 cr
	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	3 cr
HIST 130 Intro to Women's, Gender, and Sexuality 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	
ENSC 101 Introduction to Environmental Issues	
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	9 cr

Total Credit Requirement for a Minor in Social Work 15 cr

SPANISH

CLAIRE KEITH, 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.

Students majoring in Spanish should be aware that at least one semester of study in a Spanish immersive environment is necessary to be able to meet the ACTFL proficiency guidelines used by the department in the final assessment of the Capping course and final Capping Oral Presentation.

The Spanish area of the department 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.

1.0 REQUIRED COURSES IN SPANISH

1.1 Foundations in Structure and Use of Spanish Language 9 cr

Any three courses from:

- SPAN 106 Intermediate Spanish II
- SPAN 201 Spanish: Communicating in the Spanish-speaking World
- SPAN 202 Spanish: Fiction and Expression.
- SPAN 210 Spanish for Heritage Speakers I
- SPAN 211 Spanish for Heritage Speakers II
- SPAN 281 Conversation and Culture I
- SPAN 305 Advanced Intensive Spanish I
- SPAN 306 Advanced Intensive Spanish II
- SPAN 312 Spanish in the Workplace
- SPAN 360 Spanish Composition and Conversation I
- SPAN 361 Spanish Composition and Conversation II
- SPAN 410 Spanish Composition I
- SPAN 411 Spanish Composition II
- SPAN 412 Advanced Conversational Spanish I
- SPAN 413 Advanced Conversational Spanish II

1.2 Foundations in Cultures of the Spanish Speaking World: 9 cr

- SPAN 250 Cultures of Spain *
- SPAN 260 Cultures of Latin America *
- SPAN 270 Cultures of Hispanics in the US *

1.3 Literature and Film 6 cr

SPAN 315 The Experience of Hispanic Literature *

And any one course from:

SPAN 330 Themes in Spanish Cinema
SPAN 335 Themes in Latin American Cinema
SPAN 370 Latin American Women Writers
SPAN 392 Special Topics in Spanish I
SPAN 420 Medieval Spanish Literature
SPAN 421 Spanish Literature of the 18th and 19th Centuries
SPAN 422 Contemporary Spanish Literature
SPAN 424 Cervantes
SPAN 425 Literature of the Golden Age
SPAN 430 Spanish American Literature I
SPAN 431 Spanish American Literature II
SPAN 433 Literature of the Hispanic Caribbean
SPAN 480 Seminar

1.4 Applied Spanish courses 9 cr

Any three courses from:
SPAN 312 Spanish in the Workplace
SPAN 325 Spanish in a Digital Age
SPAN 393 Special Topics in Spanish II
SPAN 396 Internship in Spanish (3cr) **
SPAN 415 Spanish Translation Techniques

OR:

Any three-credit combination from these courses:
SPAN 189 Language Learner's Toolkit 1cr.(May be repeated with departmental approval.) ***
SPAN 203 Spanish Practicum 1cr. (May be repeated with departmental approval)***
SPAN 394 Internship in Spanish (1 cr) ***
SPAN 395 Internship in Spanish (2cr) ***

1.5 Capping 3 cr

Span 477 Spanish Capping *

* All Foundation courses as well as SPAN 315 Experience of Hispanic Literature and SPAN 477 Spanish Capping must be taken on campus.

** Only 3 cr of an internship will be counted towards the 9 cr required Applied Spanish courses. Students who wish to pursue internship combinations greater than 3 cr may count those credits as general electives.

*** If three variations of the one-credit courses is taken, they may fulfill a three-credit requirement towards the Spanish major or minor in the Applied Languages category. If only one or two of these one-credit units is taken, they can be used as enrichment electives in Spanish and as general electives towards the 120 cr. requirement of the BA. Or they may be combined with a one or two-credit internship.

Total Credit Requirement for a Major in Spanish 36 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	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	3 cr	
	21 cr	

Pathway* 12 cr

Courses addressing an interdisciplinary topic.

Total Core/Liberal Studies Requirement 40 cr

4.0 Electives 44 cr

Total Credit Requirement for Graduation 120 cr

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

STUDY ABROAD: While only 15 credits maximum from abroad are accepted in Spanish for the Major, students can still benefit from, and are encouraged to spend an entire year abroad, given the possibility of taking Core courses in certain Spanish 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 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 117 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

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

1.0 REQUIRED COURSES FOR A MINOR IN SPANISH

1.1 Foundations in Structure and Use of Spanish Language — 9 cr

Any THREE courses from:

- SPAN 106 Intermediate Spanish II
- SPAN 201 Spanish: Communicating in the Spanish-speaking World
- SPAN 202 Spanish: Fiction and Expression.
- SPAN 210 Spanish for Heritage Speakers I
- SPAN 211 Spanish for Heritage Speakers II
- SPAN 281 Conversation and Culture I
- SPAN 305 Advanced Intensive Spanish I
- SPAN 306 Advanced Intensive Spanish II
- SPAN 312 Spanish in the Workplace
- SPAN 360 Spanish Composition and Conversation I
- SPAN 361 Spanish Composition and Conversation II
- SPAN 410 Spanish Composition I
- SPAN 411 Spanish Composition II
- SPAN 412 Advanced Conversational Spanish I
- SPAN 413 Advanced Conversational Spanish II

1.2 Foundations in Cultures of the Spanish Speaking World: — 6 cr

Any TWO courses from:

- SPAN 250 Cultures of Spain *
- SPAN 260 Cultures of Latin America *
- SPAN 270 Cultures of Hispanics in the US *

1.3 Literature and Film — 3 cr

- SPAN 315 The Experience of Hispanic Literature *

1.4 Applied Spanish courses — 3 cr

Any ONE course from:

- SPAN 312 Spanish in the Workplace
- SPAN 325 Spanish in a Digital Age
- SPAN 393 Special Topics in Spanish II
- SPAN 396 Internship in Spanish (3cr)
- SPAN 415 Spanish Translation Techniques

OR:

Any ONE three-credit combination from these courses:

- SPAN 189 Language Learner's Toolkit 1cr.(May be repeated with departmental approval.) **
- SPAN 203 Spanish Practicum 1cr. (May be repeated with departmental approval)**
- SPAN 394 Internship in Spanish (1 cr) **
- SPAN 395 Internship in Spanish (2 cr) **

Total Credit Requirement for a Minor in Spanish — 21 cr

* All Foundations courses as well as SPAN 315 Experience. of Hispanic Literature must be taken on campus.

** If three variations of the one-credit courses are taken, they may fulfill a three-credit requirement towards the Spanish major or minor in the Applied Languages category. If only one or two of these one-credit units is taken, they can be used as enrichment electives in Spanish and as general electives towards the 120 cr. requirement of the BA. Or they may be combined with a one or two-credit internship.

RECOMMENDED PROGRAM SEQUENCE FOR A BACHELOR OF ARTS IN SPANISH

* Regular Track (Track A)

FRESHMAN YEAR

FALL		**SPRING**	
SPAN 201 or 281	3 cr	SPAN 202 or 281	3 cr
ENG 120 Writing for College	3 cr	Core/LS	3 cr
FYS 101 First Year Seminar	4 cr	Core/LS	3 cr
PHIL 101 Philosophical Perspectives	3 cr	Core/LS	3 cr
Elective or CSIS courses	3 cr	Elective	3 cr
	16 cr		15 cr

SOPHOMORE YEAR

FALL		**SPRING**	
SPAN 250	3 cr	SPAN 260	3 cr
SPAN 360 or SPAN 315	3 cr	SPAN 315 or SPAN 325	3 cr
Core/LS	3 cr	Core/LS	3 cr
Core/LS	3 cr	Elective	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR (Marist Abroad Madrid)

FALL		**SPRING**	
SPAN 300 or 400 Level Elective	3 cr	SPAN 300 or 400 Level Elective	3 cr
SPAN 300 or 400 Level Language	3 cr	SPAN 300 or 400 Level Elective	3 cr
Core/LS	3 cr	Core/LS	3 cr
SPAN 300 or 400 Level Literature	3 cr	Core/LS	3 cr
SPAN 300 or 400 Level Elective	3 cr	SPAN 300 or 400 Level Elective	3 cr
	15 cr		15 cr

JUNIOR YEAR (On Campus)

FALL		**SPRING**	
SPAN 360 OR 270	3 cr	SPAN 300 or 400 Level Elective	3 cr
SPAN Literature	3 cr	SPAN Literature	3 cr
SPAN Elective or General Elective	3 cr	SPAN Elective or General Elective	3 cr
Core/LS	3 cr	Core/LS	3 cr
Elective	3 cr	Elective	3 cr
	15 cr		15 cr

SENIOR YEAR

FALL		**SPRING**	
SPAN 270 or Spanish Literature	3 cr	SPAN 477 Capping Course	3 cr
Electives	12 cr	Electives	12 cr
	15 cr		15 cr

WOMEN'S, GENDER, AND SEXUALITY STUDIES MINOR

KRISTIN BAYER, PH.D., *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 the Director.

REQUIREMENTS FOR A MINOR IN WOMEN'S, GENDER, AND SEXUALITY STUDIES

WMST 130/HIST 130 Introduction to Women's, Gender, and Sexuality 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, Culture 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 303 Politics of Prejudice
- POSC 320 Feminist Political Thought
- PSY 206 Psycho-Biological Sex Differences
- PSY 331 Psychology of Women
- SOC 326 Domestic Violence Prevention
- SOC 336 Social Inequity
- SOC 341 Social Change
- SPAN 370 Latin American Women Writers

Other courses to be approved in advance by the Director.