

**Bachelor of Arts with Major in Mathematics
(For Students entering in Fall 2010)**

Freshman Year / Fall Semester	Cr.	Freshman Year / Spring Semester	Cr.
___ 92.131 Calculus I	4	___ 92.132 Calculus II	4
___ . . . (Gen. Ed.) SS	3	___ 92.321 Discrete Structures I	3
___ . . . (Gen. Ed.) AH	3	___ . . . (Gen. Ed.) SS	3
___ 42.101 (Gen Ed) College Writing I	<u>3</u>	___ 42.102 (Gen Ed) College Writing II	<u>3</u>
	14		13
Sophomore Year / Fall Semester	Cr.	Sophomore Year / Spring Semester	Cr.
___ 92.231 Calculus III	4	___ 92.23_ Differential Equations	3
___ 92.221 Linear Algebra I	3	___ 92.222 Linear Algebra II	3
___ . . . (Gen Ed) SCL/TN	3	___ . . . (Gen Ed) SCL/TN	3
___ . . . (Gen Ed) SCL/TN Lab	1	___ . . . (Gen Ed) SCL/TN Lab	1
___ 42.229 Writing Requirement	3	___ . . . (Gen Ed) AH	3
___ . . . Free Elective	<u>3</u>	___ . . . (Gen Ed) SS	<u>3</u>
	17		16
Junior Year / Fall Semester	Cr.	Junior Year / Spring Semester	Cr.
___ 92. ___ Analysis	3	___ 92.375 Senior Seminar I	1
___ 92. ___ Prob/Statistics	3	___ 92. ___ Analysis	3
___ . . . (Gen Ed) SCL/TN	3	___ 92. ___ Math Elective	3
___ . . . Concentration Elective	3	___ . . . (Gen Ed) AH	3
___ . . . Computing Requirement	<u>3(4)</u>	___ . . . Concentration Elective	3
	15(16)	___ . . . Free Elective	<u>3</u>
			16
Senior Year / Fall Semester	Cr.	Senior Year / Spring Semester	Cr.
___ 92.475 Senior Seminar II	3	___ 92. ___ Math Elective	3
___ 92. ___ Math Elective	3	___ . . . Free Elective	3
___ . . . Concentration Elective	3	___ . . . Concentration Elective	3
___ . . . Concentration Elective	3	___ . . . Concentration Elective	3
___ . . . Free Elective	<u>3</u>	___ . . . Free Elective	<u>3</u>
	15		15

Minimum total credits for graduation = 120

Consult the Gen. Ed. web site <http://www.uml.edu/gened> for General Education (Gen. Ed.) requirements.

Course selections are subject to restrictions. See reverse side for additional information.

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Mathematics Requirements (92.xxx)

Calculus:	131, 132 and 231
Linear Algebra:	221 and 222
Differential Equations:	One of 234, 236
Discrete Structures:	One of 321, 322
Analysis I:	One of 305, 411, 501, 503
Analysis II:	One of 301, 305, 306, 322, 362, 411, 412, 413, 420, 421, 442, 450
Probability & Statistics:	One of 385, 386, 486
Senior Seminar:	375 and 475
Math Electives:	Three mathematics courses at the 300 level or higher (except 363)

Notes: None of the above courses can be used to satisfy two different requirements.
305 and 503 cannot both be used to satisfy the two-course Analysis requirement.

The following courses cannot be used as Electives —

Quantitative Reasoning 111; Management Precalculus 121; Management Calculus 122;
Preparation for Calculus 127; Explorations in Math 151; Introduction to Statistics 183;
Statistics for the Behavioral Sciences 283, Intro to Data Analysis 363.

No more than 60 Math credits can be counted towards the degree.

Non-Mathematics Concentration

An approved 18-credit-hour (six-course) concentration outside the Division of Sciences. These courses may lead to a minor or may cross departments. This concentration must be planned as a unified, coherent whole rather than a series of unrelated courses and must be approved by the mathematics undergraduate coordinator or department chair.

Science Requirement

At least three science courses from among the offerings approved for science majors, including two courses with co-requisite laboratories from outside the Department of Mathematical Sciences.

Computing Requirement

91.101 (Computing I) or 92.576 (Statistical Programming Using SAS) or another computer programming class approved by the Undergraduate Coordinator or Department Chair.

Writing Requirement

42.229 (Essay Writing for Non-English Majors). Student who have completed other courses with substantial writing components can petition to have that work satisfy the mathematics writing requirement.

General Education Requirements

College Writing:	42.101 and 42.102
Arts & Humanities (AH):	Three courses, not all from a single department
Social Sciences (SS):	Three courses, not all from a single department
Diversity (D):	One course
Ethics (E):	One course

The Math Gen ED requirement is fulfilled by previous requirements.

Note

Deviations from this sample program of study require permission of the Mathematics Department Chair or Undergraduate Coordinator. To receive written permission, use an Academic Petition form and keep a copy for your own files.