

Bachelor of Science with Major in Mathematics
Concentration in Probability and Statistics
 (For Students entering in Fall 2010)

Freshman Year/Fall Semester	Cr.	Freshman Year/Spring Semester	Cr.
___92.131	4	___92.132	4
___ . . .	3	___92.321	3
___ . . .	3	___ . . .	3
___ . . .	1	___ . . .	1
___42.101	<u>3</u>	___42.102	<u>3</u>
	14		14

Sophomore Year/Fall Semester	Cr.	Sophomore Year/Spring Semester	Cr.
___92.231	4	___92.234/236	3
___92.221	3	___92.222	3
___ . . .	3	___ . . .	3
___ . . .	1	___ . . .	1
___42.229	<u>3</u>	___ . . .	3
	14	___ . . .	<u>3</u>
			16

Junior Year/Fall Semester	Cr.	Junior Year/Spring Semester	Cr.
___92. . .	3	___92. . .	3
___92.386	3	___92.486	3
___ . . .	3	___ . . .	3
___ . . .	3	___ . . .	3
___ . . .	<u>3(4)</u>	___ . . .	3
	15/16	___92.375	<u>1</u>
			16

Senior Year/Fall Semester	Cr.	Senior Year/Spring Semester	Cr.
___92.593	3	___92.591	3
___ . . .	3	___92. . .	3
___ . . .	3	___ . . .	3
___ . . .	3	___ . . .	3
___92.475	<u>3</u>	___ . . .	<u>3</u>
	15		15

Minimum total credits = 120

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

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

**Bachelor of Science with Major in Mathematics:
Concentration in Probability/Statistics**

Mathematics Requirements (92.xxx)

Calculus:	131,132 and 231
Linear Algebra:	221and 222
Differential Equations:	one of 234, 236
Discrete Structures:	321 or 322
Analysis I:	one of 305,411,501,503
Analysis II:	One of 301, 305, 306, 411, 412, 413, 420, 421, 442, 450
Senior Seminar:	375 and 475
Math Electives:	Three mathematics courses at the 300 level or higher (except 363)
Concentration Requirements:	386, 486, 591 and 593

Note: None of the above courses can be used to satisfy two different requirements.
305 and 503 cannot both be used to satisfy the two-courses 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 283;
Intro to Data Analysis 363.

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

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

Writing Requirement: 42.229 (Essay Writing for Non-English Majors). If a student has completed other courses with substantial writing requirements, he/she can petition to have that work satisfy the mathematics writing requirement.
Students with a joint major in Computer Science should take 42.220 (Oral and Written Communication for CS Majors) rather than 42.229.

General Education Electives must include at least 6 courses:

3 in Arts & Humanities (AH) and 3 in Social Sciences (SS); one course must satisfy the Diversity (D) requirement and one the Ethics (E) requirement. No more than two courses from a single department can be used to satisfy these Gen Ed requirements. Math/Science Gen ED requirements are fulfilled by the major's courses.

Advice to Students: If you plan any deviations from this sample program of study, use an Academic Petition signed by the Mathematics Department Chair to receive written permission. Keep a copy of any signed Academic Petitions for your own files.

Bachelor of Science Requirements: A minimum of 74 credits and 20 courses from the offerings of science and mathematics; four science lecture courses with co-requisite labs, including a two semester sequence in a department other than Mathematics—91.101(Computing I), 91.102 (Computing II), 92.231/232 (Calculus III & Math Lab I) and 92.236 (Engineering Diff.Eqns) qualify.