

Bachelor of Arts with Major in Mathematics

Sample Program of Study

Name _____

SID _____

Email _____

Year of Graduation _____

Telephone _____

Advisor _____

Freshman Year / Fall Semester	Cr.
___ 92.131 Calculus I	4
___ ._. (Gen Ed) SS	3
___ ._. (Gen Ed) AH	3
___ 42.101 (Gen Ed) College Writing I	<u>3</u>
	13

Freshman Year / Spring Semester	Cr.
___ 92.132 Calculus II	4
___ 92.321 Discrete Structures I	3
___ ._. (Gen Ed) SS	3
___ 42.102 (Gen Ed) College Writing II	<u>3</u>
	13

Sophomore Year / Fall Semester	Cr.
___ 92.231 Calculus III	4
___ 92.221 Linear Algebra I	3
___ ._. (Gen Ed) SCL/TN	3
___ ._. (Gen Ed) SCL/TN Lab	1
___ 42.229 Writing Requirement	3
___ ._. Free Elective	<u>3</u>
	17

Sophomore Year / Spring Semester	Cr.
___ 92.23_ Differential Equations	3
___ 92.222 Linear Algebra II	3
___ ._. (Gen Ed) SCL/TN	3
___ ._. (Gen Ed) SCL/TN Lab	1
___ ._. (Gen Ed) AH	3
___ ._. (Gen Ed) SS	<u>3</u>
	16

Junior Year / Fall Semester	Cr.
___ 92. ___ Analysis	3
___ 92. ___ Prob / Stat	3
___ ._. (Gen Ed) SCL/TN	3
___ ._. Concentration Elective	3
___ ._. Computing Requirement	<u>3/4</u>
	15/16

Junior Year / Spring Semester	Cr.
___ 92.375 Senior Seminar I	1
___ 92. ___ Analysis	3
___ 92. ___ Math Elective	3
___ ._. (Gen Ed) AH	3
___ ._. Concentration Elective	3
___ ._. Free Elective	<u>3</u>
	16

Senior Year / Fall Semester	Cr.
___ 92.475 Senior Seminar II	3
___ 92. ___ Math Elective	3
___ ._. Concentration Elective	3
___ ._. Concentration Elective	3
___ ._. Free Elective	<u>3</u>
	15

Senior Year / Spring Semester	Cr.
___ 92. ___ Math Elective	3
___ ._. Concentration Elective	3
___ ._. Concentration Elective	3
___ ._. Free Elective	3
___ ._. Free Elective	<u>3</u>
	15

Minimum Requirements: Credits Total = 120, Outside Math = 75; GPA Math = 2.2, Overall = 2.0.

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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.

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). Students 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
Science / technology (SCL/TN):	Three courses, not all from a single department, of which two must contain an experimental learning component
Diversity (D):	One course
Ethics (E):	One course

The Math Gen ED requirement is fulfilled by previous requirements.

Non-Mathematics Concentration

An approved 18-credit-hour (six-course) concentration outside the College of Science. These courses may lead to a minor or may cross departments. This concentration must be planned as a unified, coherent program of study rather than a group of unrelated courses and must be approved by the Mathematics Undergraduate Coordinator or Department Chair.

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.