Bachelor of Arts

Degree Requirements

A minimum of 128 hours is required, of which 42 must be advanced, and fulfillment of degree requirements for the Bachelor of Arts degree as specified in the College of Arts and Sciences section of this catalog.

Major in Mathematics

*Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment.*

BA with a Major in Mathematics

FRESHMAN YEAR

FALL	HOURS
CSCI 1110, Program Development	4
ENGL 1310, College Writing I	3
LANG 2040, Foreign Language (intermediate)[3, 13]	3
MATH 1710, Calculus I[4]	4
Laboratory Science[56]	4
Total	18

FRESHMAN YEAR

SPRING	HOURS
ECON 1110, Principles of Macroeconomics	3
ENGL 1320, College Writing II[6]	3
LANG 2050, Foreign Language (intermediate)[3, 13]	3
MATH 1720, Calculus II	3
Laboratory Science[56]	4
Total	16

SOPHOMORE YEAR

FALL	HOURS
ENGL 2210, World Literature I	3
HIST 2610, United States History to 1865[12]	3
MATH 2510, Real Analysis I	3
MATH 2730, Multivariable Calculus	3
Laboratory Science[56]	4
Total	16

SOPHOMORE YEAR

SPRING	HOURS
ENGL 2220, World Literature II	3
HIST 2620, United States History Since 1865[12]	3
MATH 2520, Real Analysis II	3
MATH 2700, Linear Algebra and Vector Geometry	3
Laboratory Science[56]	4
Total	16

JUNIOR YEAR

FALL	HOURS
MATH 3510, Introduction to Abstract Algebra I[54]	3
PSCI 1040, American Government	3
Minor (elective)[15]	3
Minor (elective)[16]	3
Understanding of Ideas and Values[8]	3
Visual and Performing Arts[7]	3
Total	18

JUNIOR YEAR

SPRING	HOURS
PSCI 1050, American Government	3
MATH (above 3150)	3
MATH (above 3150)	3
Minor (elective)[15]	3
Minor (elective)[15, 16]	3
Understanding of Ideas and Values[8]	3
Total	18

SENIOR YEAR

FALL	HOURS
MATH 4610, Probability	3
Minor (elective)[16]	3
Minor (elective)[16]	3
Minor (elective)[16]	3
Oral Communication[2]	3
Total	15

SENIOR YEAR

SPRING	HOURS
MATH (above 3150)	3
Minor (elective)[16]	3
Minor (elective)[16]	3
Understanding of Ideas and Values[8]	3
Wellness[11]	2-3
Total	14-15

Actual degree plans may vary depending on availability of courses in a given semester.
Some courses may require prerequisites not listed.
See Arts and Sciences folding key (#2) for footnotes.

Supplemental Information for BA with a Major in Mathematics

1. Required courses: MATH 1710, 1720, 2510, 2520, 2700, 2730, 3510 and 4610, plus 9 hours numbered above 3150. Required laboratory science must include BIOL 1710/1730 and 1720/1740 and either PHYS 1710/1730 and 2220/2240, or CHEM 1410/1430 and 1420/1440.

2. It is recommended that the required foreign language be German, French, Spanish or Russian. Students who wish to take some other language should consult the chair of the mathematics department. Students should consult the College of Arts and Sciences section and "University Core Curriculum Requirements" in the Academics section of the catalog for general requirements for the Bachelor of Arts degree and make a degree plan in consultation with faculty advisers.

3. Minor: A minor of at least 18 hours (6 advanced) is required.