

Applied Mathematics (B.A. or B.S.)

FRESHMAN YEAR

Fall Semester	16 Credits
FYE 10XX	First Year Experience (R/IL).....3
ENGL 1100	Writing I (W).....3
MATH 1300	Precalculus (QR) OR
MATH 2300	Calculus I (QR).....4
CSC 1500	Computer Science I OR
	Gen. Ed./ exploration).....3
	Gen. Ed./exploration).....3

Spring Semester	14 Credits
ENGL 1200	Writing II (W/IL).....3
MATH 1850	Freshman Seminar in Mathematics.....1
MATH 2300	Calculus I (QR) OR
MATH 2400	Calculus II.....4
MATH 2550	Symbolic Comp. Mathematics OR
	Gen. Ed./exploration).....3
	Gen. Ed. WS).....3

JUNIOR YEAR

Fall Semester	15 Credits
MATH 3000	Geometry OR
MATH 3200	History of Mathematics.....3
MATH XXXX	Advanced Math Elective.....3
MATH XXXX	Advanced Math Elective.....3
	Course in minor.....3
	Gen. Ed./exploration).....3

Spring Semester	15 Credits
MATH XXXX	Advanced Math Elective.....3
MATH 2800	Intro. To Statistical Analysis OR
DATA 2000	Principles of Data Analytics.....3
	Course in minor.....3
	Free Elective.....3
	Free Elective.....3

General Education: Foundation

3 credits Reading and Information Literacy (R and IL):
First Year Experience
3 credits Writing (W): Writing I
3 credits Writing and Information Literacy (W and IL):
Writing II
3 credits Quantitative Reasoning (QR) (MATH)
3 credits World Languages, Speaking and Listening
(WS)

General Education: Exploration

3 credits Civic Learning (CV)
3 credits Diverse Perspectives (DP)
3 credits Ethical Reasoning (ER)
3 credits Fine Arts Expression and Analysis (FA)
3 credits Historical Inquiry and Analysis (HI)
3 credits Literary Inquiry and Analysis (LI)
3 credits Personal Wellness (PW)
3 credits Procedural and Logical Thinking (PL)
3 credits Scientific Inquiry and Analysis (SI)

SOPHOMORE YEAR

Fall Semester	15 or 16 Credits
MATH 2400	Calculus II OR
	Gen.Ed./exploration).....3 or 4
MATH 2600	Linear Algebra.....3
MATH 2500	Introduction to Math. Thought (PL).....3
	Course in minor.....3
CSC 1500	Computer Science I OR
	Gen. Ed./ exploration).....3

Spring Semester	14 Credits
MATH 3350	Multivariate Calculus.....4
MATH 2550	Symbolic Comp. Mathematics OR
MATH 2800	Intro. To Statistical Analysis OR
DATA 2000	Principles of Data Analytics.....3
PHYS 2300	General Physics I OR
PHYS 2600	Calculus-Based Physics I.....4
	Course in minor.....3

SENIOR YEAR

Fall Semester	15 Credits
MATH 4600	Capstone in Mathematics OR
MATH 4950	Internship.....3
MATH XXXX	Advanced Math Elective.....3
MATH XXXX	Advanced Math Elective.....3
	Course in minor.....3
	Gen. Ed./exploration).....3

Spring Semester	14 or 15 Credits
MATH XXXX	Advanced Math Elective.....3
	Course in minor.....3
	Free Elective.....3
	Free Elective.....3
	Free Elective.....2 or 3

General Education: Integration

9 credits AIA (3 of which must be Integrative High
Impact Practice - IHIP) **OR**
Minor (professional majors completing a minor or
second major must include at least 9 credits in LA&S
disciplines for that minor)

General Education: MAJ

There may be major courses that have been approved
to fulfill up to 3 General Education requirements (at
least 9 credits). Varies by major and concentration