

Pure 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
	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 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 4000	Real Analysis OR	
MATH 4300	Abstract Algebra.....	3
MATH XXXX	Advanced Math Elective.....	3
	Course from Pure Math Option A.....	3
	(Gen. Ed./exploration).....	3

Spring Semester 15 Credits

MATH XXXX	Advanced Math Elective.....	3
MATH XXXX	Advanced Math Elective.....	3
	Course from Pure Math Option B.....	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 2500	Introduction to Math. Thought (PL).....	3
MATH 2600	Linear Algebra.....	3
CSC 1500	Computer Science I OR	
	Gen. Ed./ exploration.....	3
	Gen. Ed./ exploration.....	3

Spring Semester 16 Credits

MATH 3350	Multivariate Calculus.....	4
MATH 2550	Symbolic Computational Mathematics.....	3
MATH 2800	Intro. To Statistical Analysis OR	
DATA 2000	Principles of Data Analytics.....	3
	Gen. Ed./ exploration.....	3
	Free Elective.....	3

SENIOR YEAR

Fall Semester 15 Credits

MATH 4000	Real Analysis OR	
MATH 4300	Abstract Algebra.....	3
MATH 4600	Capstone in Mathematics OR	
MATH 4950	Internship.....	3
MATH XXXX	Advanced Math Elective.....	3
	Course from Pure Math Option A.....	3
	Free Elective.....	3

Spring Semester 14 or 15 Credits

MATH XXXX	Advanced Math Elective.....	3
	Course from Pure Math Option B.....	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