

Mathematics, Middle School (5-8) (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	16 Credits
ENGL 1200	Writing II (W/IL).....3
SPCH 1000	Intro to Speech Communication OR
SPCH 1100	Arg. and Debate (WS).....3
MATH 1860	Intro to Education (5-12).....3
MATH 2300	Calculus I OR
MATH 2400	Calculus II.....4
MATH 2550	Symbolic Comp. Mathematics OR
	(Gen. Ed./exploration).....3

JUNIOR YEAR

Fall Semester	15 Credits
MATH 4200	Probability and Statistics I.....3
MATH XXXX	Math Elective*.....3
SPED 3800	Inclusive Instruction.....3
	(Gen. Ed./exploration).....3
	(Gen. Ed./exploration).....3
Spring Semester	15 Credits
MATH 3900	Math Seminar.....1
MATH 3000	Geometry.....3
	Math Modeling Elective** OR
	Math Elective*.....3
MATH 3010	Methods of Teaching Math I.....3
CSC 1500	Computer Science I.....3
	Free Elective.....2

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)

Suggested 4-year plan of study. Completion of 120 credits required for graduation.

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	Intro. to Math Thought (PL).....3
MATH 2600	Linear Algebra.....3
EDUC 2011	Diversity in Education (5-12).....3
	(Gen. Ed./exploration).....3
Spring Semester	16 Credits
MATH 3350	Multivariate Calculus.....4
MATH 2550	Symbolic Comp. Mathematics OR
MATH XXXX	Math Elective*.....3
EDUC 2012	Teaching Adolescent Learners (5-12).....3
	(Gen. Ed./exploration).....3
	(Gen. Ed./integration).....3

SENIOR YEAR

Fall Semester	15 Credits
MATH 4300	Abstract Algebra.....3
	Math Modeling Elective** OR
	Math Elective*.....3
EDUC 3122	Sheltered English Immersion.....3
EDUC4850	Methods of Teaching Math II.....3
	Free Elective.....3
Spring Semester	12 Credits
MATH 4012	Practicum Seminar.....3
MATH 4020/4030	Practicum in Middle School I & II.....9

* These math electives (including the modeling elective) must be at the 3000/4000 level with 6 credits required at the 4000 level

** The Mathematical Modeling elective is one of MATH 3003, 3550, 4400 OR 4450.

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.