

Suggested Four-Year Plan of Study MATHEMATICS



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.