

Suggested Four-Year Plan of Study MATHEMATICS



Middle School Education (5-12)

FRESHMAN YEAR

Fall Semester	16 Credits
FYE 10XX - First-Year Experience Seminar	3
ENGL 1100 - Writing I	3
MATH 1300 OR Precalculus OR	
MATH 2300 Calculus I (gen. ed. foundation – QR).....	4
Gen. Ed. (exploration)	3
Gen. Ed. (exploration)	3
Spring Semester	16 Credits
ENGL 1200 Writing II.....	3
Gen. Ed. (foundation: WS)	3
MATH 1860 Intro to Education (5-12)	3
MATH 2300 OR Calculus I OR	
MATH 2400 Calculus II	4
Gen. Ed. OR (exploration) OR	
MATH 2550 Symbolic Computational Mathematics	3

JUNIOR YEAR

Fall Semester	15 Credits
MATH 4200 Probability & Statistics I.....	3
MATH XXXX Math Elective*	3
SPED 3800 Inclusive Instruction.....	3
Gen. Ed. (exploration)I.....	3
Gen. Ed. (exploration).....	3
Spring Semester	15 Credits
MATH 3900 Math Seminar.....	1
MATH 3000 Geometry.....	3
MATH 3550 OR Ordinary Differential Equations OR	
MATH XXXX OR Math Elective* OR	
Free Elective	3
MATH 3010 Methods of Teaching Math I.....	3
CSC 1500 Computer Science I	3
Free Elective	2

* These math electives must be at the 3000/4000 level with 6 credits required at the 4000 level and of the following courses is required: MATH 4450, MATH 4400, MATH3550, MATH 3003.

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.

SOPHOMORE YEAR

Fall Semester	15-16 Credits
MATH 2400 OR Calculus II OR	
Gen. Ed. (exploration).....	3-4
MATH 2500 Intro to Mathematical Thought.....	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 OR Symbolic Computational Mathematics OR	
MATH XXXX Math elective*	3
EDUC 2012 Teaching Adolescent Learner (5-12).....	3
Gen. Ed. (exploration).....	3
Gen. Ed. (exploration).....	3

SENIOR YEAR

Fall Semester	15 Credits
MATH 4300 Abstract Algebra.....	3
MATH 4400 OR Operations Research OR	
MATH 4450 OR Math Modeling OR	
MATH 3003 OR Advanced Statistics OR	
MATH XXXX OR Math elective* OR	
Free Elective	3
EDUC 3122 Sheltered English Immersion	3
MATH 4850 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

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)

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.