

Suggested Four-Year Plan of Study

MATHEMATICS



Middle School Education: Mathematics (Grades 5–8)

LA&S Concentration Track: Mathematics

FRESHMAN YEAR

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| Fall Semester | 16 Credits |
| ENGL 1100 | Writing I(3) |
| PSY 1200 | Lifespan Development.....(3) |
| MATH 1300 | Precalculus (4) |
| SPED 2210 | Understanding Diversity and Disabilities.....(3) |
| SPCH 1000 OR SPCH 1100 | Introduction to Speech Communication OR Argumentation and Debate(3) |

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| Spring Semester | 16 Credits |
| ENGL 1200 | Writing II(3) |
| POLS 1000 OR HIST 1400 OR HIST 1500 | U.S. Government OR U.S. History I OR II(3) |
| EDUC 2300 | Foundations of Inclusive Education(3) |
| CSC 1500 | Computer Science.....(3) |
| MATH 2300 | Calculus I.....(4) |

JUNIOR YEAR

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| Fall Semester | 15 Credits |
| MATH 4300 | Abstract Algebra(3) |
| MATH 3200 | History of Mathematics(3) |
| EDUC 3026 | Teaching Mathematics in Middle School (<i>Fall only</i>) (3) |
| IDIS 1800 OR HIST 1000 OR 1100 | Global Issues OR World Civilizations I OR II(3) |
| MUSC/ART xxxx | Elective(3) |

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| Spring Semester | 16 Credits |
| MATH 3000 | Geometry.....(3) |
| MATH 4xxx | Math Elective at the 4000 level.....(3) |
| MATH 3900 | Math Seminar.....(1) |
| MATH ≥ 4000 | Math Elective at or above the 4000 level.....(3) |
| MATH ≥ 4000 | Math Elective at or above the 4000 level.....(3) |
| | LAB Elective.....(3) |

LA&S Elective List

- 1 AOM attribute (Art or Music)
- 1 ART attribute (the Arts)
- 3 credits HAF attribute (Health/Fitness)
- 1 LAB attribute (Lab Science)

SOPHOMORE YEAR

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| Fall Semester | 16 Credits |
| MATH 2500 | Introduction to Mathematical Thought(3) |
| MATH 2400 | Calculus II..... (4) |
| ENGL 2910 | Literature for Young Adults (for Genre Study).....(3) |
| SPED 3800 | Secondary Programs for Adolescents with Disabilities(3) |
| EXSS 1000 | Heath and Fitness(3) |

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| Spring Semester | 16 Credits |
| MATH 2600 | Linear Algebra(3) |
| MATH 3350 | Multivariate Calculus (4) |
| EDUC 3070 | Middle School Concept (<i>Spring only</i>)(3) |
| ENGL 4700 | Teaching Reading & Writing Across the Content Area(3) |
| MATH 2550 | Symbolic Computational Mathematics.....(3) |

SENIOR YEAR

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| Fall Semester | 12 Credits |
| EDUC 3300 | Curriculum, Instruction and Assessment In Middle School (<i>Fall only</i>).....(3) |
| SPED 3720 | Classroom Management and Behavior Support(3) |
| EDUC 3740 | On-site Immersion Field Experience(3) |
| EDUC 3122 | Sheltered English Immersion(3) |

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| Spring Semester | 15 Credits |
| EDUC 4550 | Collaboration: Co-Teaching, Building Communities, and Working with Families(3) |
| EDUC 4885 | Practicum in Middle School Education I (6) |
| EDUC 4886 | Practicum in Middle School Education II (6) |

Global Diversity Area

Two courses taken must meet the Global Diversity requirement: GDAN course + (GDC or GDCN course) **OR** GDCN course + (GDA or GDAN course). These courses are allowed to satisfy this requirement and another requirement at the same time.

Completion of 120 credits required for graduation.

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