

### Mathematics Mathematics Education Concentration

<p><b>FRESHMAN FALL (15 CREDITS)</b></p> <p>MAED 151: The Teaching of Middle School Mathematics (3)  MATH 164: Precalculus (4)  CTZN 110: Inquiry into Citizenship (3)  EDUC 260: Intro to the Teaching Profession (2)  MATH 171: Statistical Decision Making (3)</p>	<p><b>FRESHMAN SPRING (15 CREDITS)</b></p> <p>MATH 175: Discrete Mathematics (2)  MATH 261: Calculus I (4)  ENGL 165: Writing &amp; Rhetoric (3)  EDUC 245: Human Growth &amp; Development (3)  Pillar: Global Citizenship (3)</p>
<p><b>SOPHOMORE FALL (17 CREDITS)</b></p> <p>MATH 262: Calculus II (4)  MATH 280: Linear Algebra (3)  CMSC 140: Intro to Programming (3)  MAED 251: Middle School Mathematics Practicum (1)  Pillar: Scientific Reasoning (3)  Perspective: Integrating World Languages (3)</p>	<p><b>SOPHOMORE SPRING (16 CREDITS)</b></p> <p>MAED 255 Using Assessments and Differentiation in the Mathematics Classroom (3)  MATH 300: Proofs &amp; Number Theory (3)  Math 361: Multivariable Calculus (4)  Pillar: Historical &amp; Contemporary Insights (3)  General Elective (3)</p>
<p><b>JUNIOR FALL (15 CREDITS)</b></p> <p>MAED 355 Teaching Data Science and Modeling (3)  MATH 335: Advanced Euclidean Geometry (3)  MATH 372: Mathematical Probability &amp; Statistics I (3)  Perspective: Historical or Social (3)  Pillar: Aesthetic Expression (3)</p>	<p><b>JUNIOR SPRING (16 CREDITS)</b></p> <p>MAED 351: High School Mathematics Practicum (1)  MATH 304 or 320 Mathematics History (3)  MATH 462: Advanced Calculus (3)  Mathematics Elective (3)  EDUC 432: Content Area Literacy (3)  Perspective: Global Citizenship or Aesthetic Expression (3)</p>
<p><b>SENIOR FALL (14 CREDITS)</b></p> <p>MATH 342: Modern Algebra (3)  MAED 451: The Teaching of High School Mathematics (3)  MATH 461: Senior Seminar (2)  EDUC 487: Classroom Management (3)  CTZN 410: Symposium for the Common Good (3)</p>	<p><b>SENIOR SPRING (12 CREDITS)</b></p> <p>MAED 482: Student Teaching in the Mathematics Classroom (12)</p>