

### **MAT Middle Grades Mathematics Education Program Course of Study**

<b>Required Education Courses</b>	<b>Clinical hours</b>
<a href="#"><u>EDUC 210</u></a> Observing the Schooling Process	15 hours
<a href="#"><u>EDUC 215</u></a> Instructional Communication: Theory & Practice	N/A
<a href="#"><u>HIST 239</u></a> or <a href="#"><u>PHIL 220</u></a> or <a href="#"><u>SOAN 244</u></a> History or Philosophy or Anthropology of Education	N/A
<a href="#"><u>PSYC 110</u></a> Introduction to Psychology	N/A
<a href="#"><u>PSYC 210</u></a> Developmental Psychology	N/A
<a href="#"><u>EDUC 413</u></a> Reading in the Content Areas	N/A
<a href="#"><u>EDUC 415</u></a> Middle School Fieldwork & Seminar	150 hours
<a href="#"><u>EDUC 414</u></a> Inclusive Learning Environments	15 hours
<a href="#"><u>EDUC 519</u></a> Secondary Curriculum & Instructional Design	N/A
<a href="#"><u>EDUC 520</u></a> Discipline Specific Secondary Instructional Design for Mathematics	15 hours
<a href="#"><u>EDUC 521</u></a> Secondary Student Teaching and Seminar	560 hours
<a href="#"><u>EDUC 501</u></a> Introduction to Teacher Research	N/A
<a href="#"><u>EDUC 502</u></a> Action Research Project	N/A
<b>Required Content Courses</b>	
<a href="#"><u>MATH 110</u></a> Calculus I	N/A
<a href="#"><u>MATH 111</u></a> Calculus II	N/A
<a href="#"><u>CSCI 112</u></a> Computer Science 1	N/A
<a href="#"><u>MATH 210</u></a> Multivariable Calculus	N/A
<a href="#"><u>MATH 230</u></a> Abstract and Discrete Mathematics	N/A
<a href="#"><u>MATH 231</u></a> Linear Algebra	N/A
<a href="#"><u>MATH 311</u></a> Intro to Real Analysis	N/A
<a href="#"><u>MATH 330</u></a> Modern Algebra I	N/A
<a href="#"><u>MATH 340</u></a> Geometry	N/A
<a href="#"><u>MATH 350</u></a> Probability	N/A
<a href="#"><u>MATH 351</u></a> Statistics	N/A
<a href="#"><u>MATH 499</u></a> Senior Seminar	N/A

Note: a grade of “C” or better is required in all content courses. A grade of B- or better is required for all EDUC courses.

**Middle Grades Mathematics Education Major Course Sequence and Program Assessment Checkpoints**

