

MAT Secondary Mathematics Education Program Course of Study

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

