MAT Secondary Mathematics Education Program Course of Study

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

General Education And Required Content Courses EDUC 210: **Observing the Schooling Process CHECKPOINT #1: Program Entry** HIST 239: **SOAN 244 PHIL 220 EDUC 215** History of or Anthropology of Philosophy of Instructional Communication Theory and Practice Education Education Education **PSYC 110:** Introduction to Psychology **PSYC 210: Developmental Psychology** EDUC 415: EDUC 413: Reading Middle School Fieldwork Methods in Practicum the Content Areas EDUC 519: Secondary EDUC 520: Discipline-Specific EDUC 501 Intro to Teacher Curriculum and Instructional Secondary Methods of Research Methods Instruction **CHECKPOINT # 2: Application for Student Teaching** EDUC 414: Inclusive EDUC 502: Action Research EDUC 521: Secondary Student **Learning Environments** Project Teaching **CHECKPOINT 3: Completion of Student Teaching CHECKPOINT 4: Program Exit**

Middle Grades Mathematics Education Major Course Sequence and Program Assessment Checkpoints