

Bachelor of Science in Mathematics
Middle Childhood Education (Certification to Teach Grades 5 - 9)

Courses Required for the Degree

Course Prefix/Number	Course Title	Credit Hours
MATH 122	University Calculus I	4
MATH 123	University Calculus II	4
MATH 210	Mathematical Structures and Proof	4
MATH 231	Linear Algebra	4
MAED 301	Mathematics for School Teachers I	3
MAED 302	Mathematics for School Teachers II	3
MAED 303	Mathematics for School Teachers III	3
MAED 310	Reading and Writing Mathematics	3
MATH 341	Geometry	3
STAT 150 or STAT 200 or STAT 350	Statistical Ideas or Statistical Methods or Probability and Statistics	3
MATH 381	History of Mathematics	3
MATH 405	Senior Seminar	1
MATH/STAT Elective ¹		3
MAED 105/106	Introduction to Contemporary Education	3
EDU 224	Adolescent Development	3
EDU 250/251	Introduction to the Exceptional Learner	3
MAED 276	Literacy and Technology for Science & Mathematics	3
EDU 301, 302, 303	Child Abuse & Neglect, Drugs & Alcohol, Fire Safety & Violence Prevention	1 credit each
MAED 305/313	Diversity in the Teaching of Science & Mathematics	3
EDU 321	Teaching in the Middle School	3
EDU 349	Educational Psychology	3
MAED 417	Middle School Methods	3
EDU 429	Student Teaching	15
CHEM 115 and 125 or PHYS 230 and 232 or SCI 301, 302 and 303	General Chemistry I with Lab University Physics I with Lab Science for Elem. Ed. I and II with Lab	4 5 7

¹ Additional MATH or STAT courses numbered 311 or higher, as advised.

Foreign Language Requirement: 85 or higher on the Regents exam, or completion of coursework at the 116-level, or equivalent

When MAED/MATH/STAT Courses Are Offered

1. The following courses are offered *every semester*:
 MAED 105/106, 301, 302, 303, 310; MATH 122, 123, 210, 223, 231, 341, 381, 405; STAT 200
2. The following courses are offered *every fall semester*:
 MAED 410, 417, 419; MATH 323, 329, 331; STAT 350; (STAT 150 if possible)
3. The following courses are offered *every spring semester*:
 MATH 125, 224, 420
4. The following course is offered *fall semester in odd-numbered years*: MATH 375
5. The following courses are offered *spring semester in odd-numbered years*:
 MATH 332, 337, 365; STAT 351
6. The following courses are offered *spring semester in even-numbered years*:
 MATH 325, 335, 359; STAT 355
7. The following courses are offered *infrequently*:
 MATH 315, 322, 423, 440

Sample Schedule

	Fall	Spring
Freshman	MATH 122 MAED 105/106	MATH 123 SCI 302
Sophomore	MAED 301 MATH 210 EDU 250/251 SCI 310,303	MAED 302 MATH 231 MAED 276 EDU 224
Junior	MAED 303 MATH 341 MAED 305/313 EDU 321	MATH 381 MATH/STAT elective EDU 349 EDU 301,302,303
Senior	STAT 350 MAED 310 MATH 405 MAED 417	EDU 429