

Bachelor of Science in Mathematics
Adolescence Education (Certification to Teach Grades 7 - 12)
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 Proofs	4
MATH 223	University Calculus III	4
MATH 231	Linear Algebra	4
MAED 310	Reading and Writing Mathematics	3
MATH 323	Intermediate Real Analysis	3
MATH 331	Abstract Algebra I	3
MATH 341	Geometry	3
STAT 350	Probability and Statistics	3
MATH 381	History of Mathematics	3
MATH 405 or MAED 410	Senior Seminar or Seminar: Mathematics for High School Teachers	1 3
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 349	Educational Psychology	3
MAED 419	Secondary School Methods	3
EDU 430	Student Teaching	15
CHEM 115 and 125 or PHYS 230 and 232	General Chemistry I with Lab University Physics I with Lab	4 5

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, 310, 325; MATH 122, 123, 210, 223, 231, 341, 381, 405

2. The following courses are offered *every fall semester*:

MAED 410, 417, 419; MATH 323, 329, 331; STAT 350

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 PHYS 230/232
Sophomore	MATH 210 MATH 223 EDU 250/251	MATH 231 EDU 224 MAED 276
Junior	MATH 323 STAT 350 MAED 305/313 EDU 301,302,303	MATH 381 MATH/STAT elective MAED 310 EDU 349
Senior	MATH 331 MATH 341 MATH 405 or MAED 410 MAED 419	EDU 430