MATHEMATICS (SECONDARY MATHEMATICS EDUCATION) - BACHELOR OF SCIENCE

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1511G Calculus and Analytic Geometry I and ENGL 1110G Composition I. The contents and order of this roadmap may vary depending on initial student placement in mathematics and english. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

Some students may be able to bypass one or more courses in the calculus sequence MATH 1511G - MATH 1521G - MATH 2530G. The calculus sequence, Introduction to Higher Mathematics, and Linear Algebra provide knowledge that is basic to further work, and students are advised to complete them or their equivalent as early as possible.

Credits

First Year

	Total Credits	120-122
	Credits	27
EDUC 4821	Middle and High School Student Teaching Seminar	3
EDUC 4820	Secondary Student Teaching	9
EDUC 4420	Teaching Mathematics at the Middle and High School Level	3
Elective Course - Upper Division		3
VWW - Viewing a Wider World Course ⁵		3
MATH/STAT Elective Course: 400/4000-level (C- or better) ⁶		3
MATH 3130 or MATH 4110V	Introduction to Geometry or Great Theorems in Mathematics	3
Fourth Year	Credits	31
MATH/STAT Elective Course: 400/4000-level (C- or better) ⁶		3
STAT 3110	Statistics for Engineers and Scientists	3
READ 4330	Content Area Literacy	3
Elective Course ³		10
SPED 3105	Introduction to Special Education in a Diverse Society	3
MATH 3110 or MATH 3120	Introduction to Modern Algebra ((C- or better in either)) ⁷ or Introduction to Analysis	3
EDUC 3997	Secondary Field Experience	3
MATH 4110V or MATH 3130	Great Theorems in Mathematics or Introduction to Geometry	3
Third Year		

- Math Placement: MATH 1511G Calculus and Analytic Geometry I is the starting Math course for the degree, however, students may need to complete any prerequisites prior to enrolling into this course.
- See the General Education (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/) section of the catalog for a full list of courses.
- ³ Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.
- MATH/STAT 300/400-level courses that cannot be taken to fulfill this requirement: MATH 3997 Directed Readings.
- See the Viewing a Wider World (https://catalogs.nmsu.edu/nmsu/ general-education-viewing-wider-world/#viewingawiderworldtext) section for a full list of courses.
- MATH/STAT 400-level courses that cannot be taken to fulfill this requirement: MATH 4991 Undergraduate Research, MATH 4997 Directed Reading, STAT 400 Undergraduate Research.
- MATH 3110 Introduction to Modern Algebra is only offered in the Fall semesters. However, MATH 3120 Introduction to Analysis is taught in the Spring and may be used as a substitute.