

# SECONDARY EDUCATION (SECONDARY EDUCATION MATH) - BACHELOR OF SCIENCE IN EDUCATION

## 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.

### First Year

Semester 1		Credits
ENGL 1110G	Composition I <sup>1</sup>	4
CEPY 1120G	Human Growth and Behavior	3
MATH 1511G	Calculus and Analytic Geometry I <sup>1</sup>	4
HIST 1110G or HIST 1120G	United States History I or United States History II	3
Students who need to enroll in 15 credits for Financial Aid purposes will need to take additional electives		1
<b>Credits</b>		<b>15</b>

### Semester 2

COMM 1115G or COMM 1130G or ACOM 1130G	Introduction to Communication or Public Speaking or Effective Leadership and Communication in Agriculture	3
MATH 1521G	Calculus and Analytic Geometry II <sup>1</sup>	4
EDUC 1185	Introduction to Secondary Education and Youth	3
Choose one from the following:		3
ECON 1110G	Survey of Economics	
ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics	
Area VI: Creative and Fine Arts Course <sup>2</sup>		3
<b>Credits</b>		<b>16</b>

### Second Year

#### Semester 1

Choose one from the following:		3
ENGL 2130G	Advanced Composition	
ENGL 2215G	Advanced Technical and Professional Communication	
ENGL 2221G	Writing in the Humanities and Social Science <sup>1</sup>	
MATH 2530G	Calculus III	3
PHYS 1230G or PHYS 1310G	Algebra-Based Physics I <sup>1</sup> or Calculus-Based Physics I	3
PHYS 1230L or PHYS 1310L	Algebra-Based Physics I Lab <sup>1</sup> or Calculus-Based Physics I Lab	1
HIST 1110G or HIST 1120G	United States History I or United States History II	3
An ANTH/GEOG/POLS/SOCI Course <sup>3</sup>		3
<b>Credits</b>		<b>16</b>

#### Semester 2

PHYS 1240G or PHYS 1320G	Algebra-Based Physics II <sup>1</sup> or Calculus-Based Physics II	3
PHYS 1240L or PHYS 1320L	Algebra-Based Physics II Lab <sup>1</sup> or Calculus-Based Physics II Lab	1
EDUC 3120	Multicultural Education	3
SPED 3105	Introduction to Special Education in a Diverse Society	3
C S 111	Computational Thinking for Solving Problems	4
E T 182	Introduction to Digital Logic	2
<b>Credits</b>		<b>16</b>

### Third Year

#### Semester 1

APPLY TO TEACHER EDUCATION PROGRAM (TEP)		
LIBR 311V	Information Literacy	3
EDLT 3110	Integrating Technology with Teaching	3
EDUC 3997	Secondary Field Experience (Fall Only)	3
MATH 1531	Introduction to Higher Mathematics	3
MATH 2415	Introduction to Linear Algebra	3
<b>Credits</b>		<b>15</b>

#### Semester 2

BLED 3120	Sheltered English Instruction for the ESL Classroom (Spring Only) <sup>1</sup>	3
EDUC 4510	Data Literacy and Assessment (Spring Only) <sup>1</sup>	3
EDUC 4520	Contemporary Issues in Education (Spring Only) <sup>1</sup>	3
A ST 311 or STAT 3110	Statistical Applications <sup>1</sup> or Statistics for Engineers and Scientists	3
Upper-Division MATH Elective Course <sup>1</sup>		3
<b>Credits</b>		<b>15</b>

### Fourth Year

#### Semester 1

SUBMIT STEP PACKET		
READ 4330	Content Area Literacy (Fall Only) <sup>1</sup>	3
EDUC 4420	Teaching Mathematics at the Middle and High School Level (Fall Only) <sup>1</sup>	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society (Fall Only) <sup>1</sup>	3
Upper-Division MATH Elective Course <sup>1</sup>		3
Upper-Division MATH Elective Course <sup>1</sup>		3
<b>Credits</b>		<b>15</b>

#### Semester 2

EDUC 4820	Secondary Student Teaching	9
EDUC 4821	Middle and High School Student Teaching Seminar	3
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>120</b>

<sup>1</sup> These courses may have prerequisites and/or co-requisites, and it is the students responsibility for checking and fulfilling all those requirements.

<sup>2</sup> See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses.

<sup>3</sup> ANTH/GEOG/POLS/SOCI Courses:

- ANTH 1140G Introduction to Cultural Anthropology
- ANTH 1115G Introduction to Anthropology

- ANTH 1160G World Archaeology
- GEOG 1120G World Regional Geography
- GEOG 1130G Human Geography
- POLS 1120G American National Government
- POLS 1110G Introduction to Political Science
- POLS 1130G Issues in American Politics
- POLS 2120G International Relations
- SOCI 1110G Introduction to Sociology
- SOCI 2310G Contemporary Social Problems