

## Mathematics

### With Minor in Education - Optional Teaching Certification (BS)

Suggested Plan of Study 2019-2020 Catalog

Fall - Semester 1		Spring - Semester 2	
MATH 1525 Calculus I	5	MATH 1545 Calculus II	5
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3	Fine Arts/Humanities (ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003 or Foreign Language)	3
Fine Arts/Humanities (ART 2013, HUM 2003, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	3	Biological Science choice/Lab BIOL 1043/1041 or BIOL 1203/1201	4
GSTD 1002 Freshman Seminar	2		
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	EDUC 3013 Educational Psychology	3
EDUC 2003/2000 Introduction to Education /Lab	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2013/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
CSCI 2103 Computer Science I	3	CSCI 2113 Computer Science II	3
MATH 2753 Linear Algebra	3	MATH 2033 Discrete Mathematics	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
Admission to Teacher Education required for courses in semester 5		MATH 3063 Abstract Algebra	3
MATH 4123 History of Mathematics	3	MATH 4053 Higher Order Thinking in Mathematics	3
EDUC 4273 Classroom and Group Management	3	UL MATH Elective	3
S ED 3113 M/M Secondary Math/Science	3	SPED 4073 Survey of Exceptional Individuals	3
S ED 4023 Supervised Field Experience Level II	3	Elective	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MATH 4003 College Geometry	3	EDUC 4003 Student Teaching Seminar	3
MATH 4073 Introduction to Probability and Statistics	3	S ED 4006 Student Teaching in the Secondary School I	6
EDUC 4043 Assessment, Evaluation and Measurement	3	S ED 4103 Student Teaching in the Secondary School II	3
UL MATH Elective	3		
Elective	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

#### Math Electives

MATH 3033 Differential Equations	MATH 4033 Complex Variables
MATH 3083 Principles of Analysis	MATH 4043 Numerical Analysis
MATH 4023 Point-Set Topology	MATH 4613 Special Topics