

## Mathematics (BS)

Suggested Plan of Study

2020-2021 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 1103 or ART 2013, HUM 2003, MUS 2003 or MUS 2013, THEA 2003, or Foreign Language)	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	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	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, or THEA 2003)	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	Elective	3
CHEM 1013/1011 College Chemistry I/Lab or CHEM 1023/1021 University Chemistry I/Lab or PHYS 2203/2201 University Physics I/Lab	4	CHEM 1113/1111 College Chemistry II/Lab or CHEM 1123/1121 University Chemistry II/Lab or PHYS 2213/2211 University Physics II/Lab	4
CSCI 2103 Computer Science I	3	CSCI 2113 Computer Science II or Foreign Language**	3
MATH 2753 Linear Algebra	3	MATH 2563 Calculus III	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>16</b>
Fall - Semester 5		Spring - Semester 6	
MATH 3063 Abstract Algebra	3	MATH 3033 Differential Equations	3
UL MATH Elective	3	UL Math Elective	3
Minor Requirement or Elective	6	UL Minor Requirement or Elective	6
Elective	3	Elective	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 7		Spring - Semester 8	
MATH 3083 Principles of Analysis	3	UL MATH Elective	3
UL MATH Elective	3	UL Minor Requirement or Elective	3
UL Minor Requirement or Elective	6	UL Elective	4
Elective	3	Elective	2
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>12</b>

Total hours required for major – 120  
MATH Electives

MATH 4003 College Geometry	MATH 4073 Introduction to Probability and Statistics
MATH 4023 Point-Set Topology	MATH 4123 History of Mathematics
MATH 4033 Introduction to Complex Variables	MATH 4613 Special Topics
MATH 4043 Numerical Analysis	

\*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.

\*\*If student chooses foreign language in semester four (4), the student will need to take an additional foreign language for a total of six (6) hours.