

B.S./B.A. MATHEMATICS DEGREE REQUIREMENTS (2020-2021)

Student Name: _____

Mentor: _____

GENERAL EDUCATION CORE REQUIREMENTS

Course	Credit Hrs.	Term Taken	Grade
First Year Experience FYE 101	1	_____	_____
English ENG 101/101E	3	_____	_____
ENG 102/103.....	3	_____	_____
Literature (3 hours selected from ENG 201, 202, 203, 204, 205, or 206)			
ENG _____	3	_____	_____
Speech ENG/COMM 221	3	_____	_____
Humanities, Writing, or Speech (May be satisfied by completing 6 sequential hours of literature, or an upper level literature, writing, speech, history, or religion / philosophy course)			
_____	3	_____	_____
Computer Literacy MIS 240	3	_____	_____
Religion/Philosophy			
REL <u>101 or 102</u>	3	_____	_____
REL <u>101, 102, 201, 201, 241, or 251</u>	3	_____	_____
History (6 sequential hours 111-112 or 201-202)			
HIS <u>111 or 201</u>	3	_____	_____
HIS <u>112 or 202</u>	3	_____	_____
Math MAT 142	5	_____	_____
Natural Science (8 hours selected from BIO 111/115, BIO 112/116, BIO 114, CHE 111, CHE 112, PHY 101, PHY 102, PHY 105, PHY 241, PHY 242, PHY 251, or PHY 252)			
_____	4	_____	_____
_____	4	_____	_____
Fine Arts (3 hours selected from ART 121, ART 131, ART 143, ART 211, ART 251, MUS 231, MUS 233, MUS 235, MUS 236, or ENG/DRA 131)			
_____	3	_____	_____
Physical Education (any activity course)			
HPPE _____	1	_____	_____
Social Sciences (3 hours selected from PSY 113, SOC 211, BUS 201 BUS 202, or HIS 221)			
_____	3	_____	_____
 <u>For B.S. Degree ONLY</u> - Additional Math, Science, or Social Science			
_____	3	_____	_____
 <u>For B.A. Degree ONLY</u> – Additional Intermediate Foreign Language			
FLG 2 _____	3	_____	_____
FLG 2 _____	3	_____	_____

B.S./B.A. MATHEMATICS DEGREE REQUIREMENTS (2020-2021)

Courses	Credit Hrs.	Term Taken	Grade
Required Mathematics Courses.....	<u>18</u>		
MAT 241 Calculus II.....	4	_____	_____
MAT 242 Calculus III.....	4	_____	_____
MAT 271 Introduction of Mathematical Modeling.....	1	_____	_____
MAT 281 Discrete Mathematics.....	3	_____	_____
MAT 350 Foundations of Mathematics.....	3	_____	_____
MAT 490 Mathematics Tutorial.....	1	_____	_____
MAT 491 Mathematics Thesis.....	2	_____	_____
Mathematics Electives (choose from list).....	<u>18</u>		
<i>(Must include MAT 310 or 320 and a 400-level course)</i>			
MAT 310 Linear Algebra.....	3	_____	_____
MAT 320 Differential Equations.....	3	_____	_____
MAT 330 History of Mathematics.....	3	_____	_____
MAT 370 Geometry.....	3	_____	_____
MAT 380 Combinatorics and Graph Theory.....	3	_____	_____
MAT 390 Topics in Mathematics.....	3	_____	_____
MAT 420 Abstract Algebra.....	3	_____	_____
MAT 440 Real Analysis.....	3	_____	_____
Elective Courses for the Bachelor's Degree.....	<u>28-31</u>		
Upper Level** _____.....	_____	_____	_____
Upper Level** _____.....	_____	_____	_____
Upper Level** _____.....	_____	_____	_____
Upper Level** _____.....	_____	_____	_____
Upper Level** _____.....	_____	_____	_____
Upper Level** _____.....	_____	_____	_____
Upper Level** _____.....	_____	_____	_____
_____.....	_____	_____	_____
_____.....	_____	_____	_____
_____.....	_____	_____	_____
_____.....	_____	_____	_____
_____.....	_____	_____	_____
Total Hours Required for the B.A. or B.S. Degree	<u>121</u>		

* Minimum 2.0 GPA required for graduation

** A minimum of 45 hours must be earned in courses numbered 300 or above