

B.S. MATHEMATICS DEGREE REQUIREMENTS (2021-2022)

Student Name: _____

Mentor: _____

GENERAL EDUCATION CORE REQUIREMENTS

Course	Credit Hrs.	Term Taken	Grade
First Year Experience FYE 101	1	_____	_____
FYE 102 or approved substitute	1	_____	_____
English ENG 101/101E.....	3	_____	_____
ENG 102/103	3	_____	_____
Literature ENG 201, 202, 203, 204, 205, or 206.....	3	_____	_____
History HIS 111, 112, 201 or 202	3	_____	_____
Religion/Philosophy			
REL 101, 102, 201, or 241	3	_____	_____
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	_____	_____
Additional Humanities (Choose an additional course from the Literature, History, Religion/Philosophy, or Fine Arts choices)			
_____	3	_____	_____
Speech ENG/COMM 221	3	_____	_____
Math MAT 142	4	_____	_____
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	_____	_____
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	_____	_____
Satisfies B.S. Degree Requirement – Required Computer Literacy			
CS 110	3	_____	_____

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Courses	Credit Hrs.	Term Taken	Grade
Required Mathematics Courses	<u>24</u>		
MAT 231 Statistics	3	_____	_____
MAT 235 Linear Algebra	3	_____	_____
MAT 241 Calculus II	4	_____	_____
MAT 242 Calculus III.....	4	_____	_____
MAT 261 Differential Equations	3	_____	_____
MAT 271 Introduction to Mathematical Modeling	1	_____	_____
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 a 400-level course)</i>			
MAT 330 History of Mathematics.....	3	_____	_____
MAT 370 Geometry.....	3	_____	_____
MAT 385 Survey of Discrete Mathematics	3	_____	_____
MAT 390 Topics in Mathematics	3	_____	_____
MAT 420 Abstract Algebra.....	3	_____	_____
MAT 430 Graph Theory	3	_____	_____
MAT 440 Real Analysis	3	_____	_____
Elective Courses for the Bachelor's Degree	<u>33</u>		
Upper Level**	_____	_____	_____
Upper Level**	_____	_____	_____
Upper Level**	_____	_____	_____
Upper Level**	_____	_____	_____
Upper Level**	_____	_____	_____
Upper Level**	_____	_____	_____
Upper Level**	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total Hours Required for the B.S. Degree	<u>120</u>		

* Minimum 2.0 GPA required for graduation
 ** A minimum of 42 hours must be earned in courses numbered 300 or above