

**B.S. MATHEMATICS DEGREE REQUIREMENTS (2021-2022)**  
**Licensure in Grades 6-10/6-12 Concentration**

Student Name: \_\_\_\_\_

Mentor: \_\_\_\_\_

**GENERAL EDUCATION CORE REQUIREMENTS**

Course	Credit Hrs.	Term Taken	Grade
<b>First Year Experience</b> FYE 101 .....	1	_____	_____
EDU 101 (FYE 102 substitute).....	2	_____	_____
<b>English</b> ENG 101/101E*.....	3	_____	_____
ENG 102/103* .....	3	_____	_____
<b>Literature</b> ENG 201, 202, 203, 204, 205, or 206.....	3	_____	_____
<b>History</b> HIS 111, 112, 201 or 202 .....	3	_____	_____
<b>Religion/Philosophy</b>			
REL 101, 102, 201, or 241 .....	3	_____	_____
<b>Fine Arts</b> (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	_____	_____
<b>Additional Humanities</b> (Choose an additional course from the Literature, History, Religion/Philosophy, or Fine Arts choices)			
_____ .....	3	_____	_____
<b>Speech</b> ENG/COMM 221* .....	3	_____	_____
<b>Math</b> MAT 142* .....	4	_____	_____
<b>Natural Science</b> (8 hours selected from PHY 241&242 or PHY 251&252)			
PHY _____ .....	4	_____	_____
PHY _____ .....	4	_____	_____
<b>Physical Education</b> (any activity course)			
HPPE _____ .....	1	_____	_____
<b>Social Sciences</b>			
PSY 113 .....	3	_____	_____
 <b><u>For B.S. Degree – Computer Literacy</u></b>			
CS 110 .....	3	_____	_____

\* Division of Education requires a grade of “B” or higher in ENG 101/101E, ENG 102, and COMM/ENG 221.

\* Division of Education requires a grade of “C” or higher in the appropriate math course listed for this program.

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<b>Courses</b>	<b>Credit Hrs.</b>	<b>Term Taken</b>	<b>Grade</b>
<b>Additional Required Courses</b> .....	<u>3</u>		
PSY 211 Developmental Psychology - Lifespan .....	3	_____	_____
<b>Required Mathematics Courses</b> .....	<u>32**</u>		
MAT 231 Statistics .....	3	_____	_____
MAT 235 Linear Algebra .....	3	_____	_____
MAT 241 Analytic Geometry and Calculus II.....	4	_____	_____
MAT 242 Analytic Geometry and Calculus III .....	4	_____	_____
MAT 261 Differential Equations .....	3	_____	_____
MAT 350 Foundations of Mathematics .....	3	_____	_____
MAT 370 Geometry.....	3	_____	_____
MAT 385 Survey of Discrete Mathematics .....	3	_____	_____
MAT 420 Abstract Algebra .....	3	_____	_____
MAT 490 Mathematics Tutorial .....	1	_____	_____
MAT 491 Mathematics Thesis.....	2	_____	_____
<b>Mathematics Electives (choose from the following)</b> .....	<u>3</u>		
MAT 430 Graph Theory .....	3	_____	_____
MAT 440 Real Analysis .....	3	_____	_____
<b>Professional Education Courses</b> .....	<u>36**</u>		
EDU 308 Psychology of Learning & Cognition.....	3	_____	_____
EDU 315 Exceptional Child .....	3	_____	_____
EDU 331 Educational Assessment.....	4	_____	_____
EDU 342 Classroom Management.....	3	_____	_____
EDU 360 Multicultural Education .....	3	_____	_____
EDU 410 Technology in Education .....	2	_____	_____
EDU 415 Teaching Reading in Grades 6-12.....	3	_____	_____
EDU 425 Strategies for Teaching Grades 6-12.....	3	_____	_____
EDU 456 Clinical Practice in Grades 6-12 .....	11	_____	_____
EDU 457 Clinical Practice Seminar 6-12.....	1	_____	_____
<b>Total Hours Required for Degree</b> .....	<u>120</u>		

\* Grade must be a “B” or higher.

\*\* Grade must be a “C” or higher in all major and professional education courses.

**Note:** No education courses beyond EDU 101 can be taken until a person is admitted into the Teacher Education Program. Exceptions are EDU 308 and EDU 360, which are cross listed.