

# Mathematics (B.S.) 7-12 Cert. – Foreign Language

2022-2023 Academic Catalog, Bachelor of Science – Mathematics, Optional Global Emphasis: Foreign Language

## Academic Core for B.S.

49 Hours

<b>CHRISTIAN STUDIES</b>		<b>6</b>
CSBS 1311	Engaging the Old Testament	3
CSBS 1312	Engaging the New Testament	3
<b>ENGLISH</b>		<b>9</b>
ENGL 1321	Rhetoric & Composition I	3
ENGL 1322	Rhetoric & Composition II	3
ENGL	Literature	3
<i>A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.</i>		
<b>EXERCISE &amp; SPORT SCIENCE</b>		<b>2</b>
EXAC	Activity Course	1
EXAC	Activity Course	1
<b>FINE ARTS – SELECT ONE</b>		<b>3</b>
ARTS 1350	Art Appreciation	3
COMM 2335	Film Appreciation	3
FINA 2330	Exploring the Fine Arts	3
MUSI 1340	Music Appreciation	3
THEA 2350	Introduction to the Theatre	3
<b>WORLD CULTURES – SELECT ONE</b>		<b>3</b>
ARTS 2354	World Art	3
EXSS 2353	Lifespan Nutrition	3
HIST 1311	History of World Civilizations to 1500	3
HIST 1312	History of World Civilizations since 1500	3
MUSI 2358	World Music	3
PHIL 2315	Introduction to Philosophy	3
<b>LAB SCIENCE</b>		<b>8</b>
PHYS 2421	Physics I with Calculus	4
	Laboratory Science Course	4
<b>PUBLIC SPEAKING</b>		<b>3</b>
COMM 1320	Public Speaking	3
<b>MATHEMATICS</b>		<b>3</b>
MATH 1330	Calculus I	3
<b>RESEARCH METHODS OR INTERNSHIP</b>		<b>2</b>
MATH 4293	Senior Seminar	2
<b>SOCIAL SCIENCE – SELECT ONE</b>		<b>3</b>
BECO 2310	Principles of Economics	3
PSYC 1301	General Psychology	3
PSYC 2399	Child and Adolescent Development	3
SOCI 1311	Introduction to Sociology	3
SOCW 2311	Introduction to Social Work	3
<b>US HISTORY OR US GOVERNMENT – SELECT ONE</b>		<b>3</b>
HIST 2311	American History to 1877	3
HIST 2312	American History since 1877	3
POLS 2310	State and Federal Government I	3
POLS 2311	State and Federal Government II	3
<b>CLASSROOM TECHNOLOGY</b>		<b>3</b>
EDUC 2311	Classroom Technology	3
<b>FRESHMAN SEMINAR</b>		<b>1</b>
UMHB 1101	Freshman Seminar	1
<b>GLOBAL EMPHASIS – FOREIGN LANGUAGE</b>		<b>8</b>
8 credit hours (2 semesters or the equivalent) in one language		8
<b>CHAPEL – 1 to 4 credits</b>		
UMHB 1002	Chapel	
<b>Fine Arts Experience – 2 to 8 credits</b>		
UMHB 1005	Fine Arts Experience	

## Mathematics

<b>B.S. MATHEMATICS MAJOR REQUIRED COURSES</b>		<b>36</b>
MATH 2303	Statistics	3
MATH 2320	Linear Algebra	3
MATH 2330	Calculus II	3
MATH 3093	Junior Seminar	0
MATH 3314	Geometry	3
MATH 3315	History of Mathematics	3
MATH 3320	Foundations of Higher Mathematics	3
MATH 3325	Ordinary Differential Equations	3
MATH 3330	Calculus III	3
MATH 3341	Numerical Analysis	3
MATH 4293	Senior Seminar	-
MATH 4310	Analysis	3
MATH 4320	Abstract Algebra	3
MATH 4385	Mathematical Probability and Statistics	3
<i>The hours for MATH 4293 are already accounted for in the Academic Core</i>		
<b>MINOR IN PEDAGOGY (SECONDARY LEVEL CERTIFICATION)</b>		<b>27</b>
EDUC 3315	Students and Learning	3
EDUC 4324	Classroom Management	3
EDUC 4328	Curriculum Design	3
EDUC 4385	Educational Internship	3
READ 4326	Disciplinary Literacy	3
EDUC 4250	Certification Preparation Seminar	2
EDUC 4501	Student Teaching I	5
EDUC 4502	Student Teaching II	5

### Total Hours

Academic Core for B.S.	49
Global Emphasis – Foreign Language	8
B.S. Mathematics Major Required Courses	36
Minor in Pedagogy (Secondary Level Certification)	27
<b>Total hours required for graduation</b>	<b>120</b>

### Additional Graduation Requirements

Minimum Upper Level hours	36
Minimum hours taken at UMHB	30
Minimum Upper Level hours taken at UMHB	24
Minimum cumulative GPA	2.0