

# Mathematics (B.S.) 7-12 Cert. – Study Abroad

2023-2024 Academic Catalog, Bachelor of Science – Mathematics, Optional Global Emphasis: Study Abroad

## Academic Core for B.S. 53 Hours

### CHRISTIAN STUDIES 6

CSBS 1311	Engaging the Old Testament	3
CSBS 1312	Engaging the New Testament	3

### ENGLISH 9

ENGL 1321	Rhetoric & Composition I	3
ENGL 1322	Rhetoric & Composition II	3
ENGL	Literature	3

A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.

### EXERCISE & SPORT SCIENCE – SELECT TWO DIFFERENT COURSES 2

EXAC	Activity Course	1
EXAC	Activity Course	1

### FINE ARTS – SELECT ONE 3

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

### WORLD CULTURES – SELECT ONE 3

ARTS 2354	World Art	3
EXSS 2353	Lifespan Nutrition	3
GLBL 2310	Cultural Immersion	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

### LAB SCIENCE 8

PHYS 2421	Physics I with Calculus	4
	Laboratory Science Course	4

### PUBLIC SPEAKING 3

COMM 1320	Public Speaking	3
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### MATHEMATICS 4

MATH 1430	Calculus I	4
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### RESEARCH METHODS OR INTERNSHIP 2

MATH 4293	Senior Seminar	2
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### SOCIAL SCIENCE – SELECT ONE 3

PSYC 1301	General Psychology	3
PSYC 2399	Child and Adolescent Development	3

### US HISTORY OR US GOVERNMENT – SELECT ONE 3

HIST 2311	American History to 1877	3
HIST 2312	American History since 1877	3
POLS 2305	United States Government	3
POLS 2306	Texas State and Local Government	3

### CLASSROOM TECHNOLOGY 3

EDUC 2311	Classroom Technology	3
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### FRESHMAN SEMINAR 1

UMHB 1101	Freshman Seminar	1
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### GLOBAL EMPHASIS – STUDY ABROAD 3

	Study Abroad	3
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### CHAPEL – 1 to 4 credits

UMHB 1002	Chapel	
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### Fine Arts Experience – 2 to 8 credits

UMHB 1005	Fine Arts Experience	
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## Mathematics 65 Hours

### B.S. MATHEMATICS MAJOR REQUIRED COURSES 38

MATH 2303	Statistics	3
MATH 2320	Linear Algebra	3
MATH 2430	Calculus II	4
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 3430	Calculus III	4
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

The hours for MATH 4293 are already accounted for in the Academic Core

### MINOR IN PEDAGOGY (SECONDARY LEVEL CERTIFICATION) 27

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

## Electives 2 Hours

### ELECTIVES 2

You need 2 additional hours to reach your minimum 120 required hrs.

### Total Hours

Academic Core for B.S.	50
Global Emphasis – Study Abroad	3
B.S. Mathematics Major Required Courses	38
Minor in Pedagogy (Secondary Level Certification)	27
Electives	2
<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	2.75