

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

2024-2025 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	Theatre Appreciation	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
HUMA 2355	Foundations of the Humanities	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

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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
Total hours required for graduation	120

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