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

2022-2023 Academic Catalog, Bachelor of Science – Mathematics, Optional Global Emphasis: Study Abroad

Academic Core for B.S. — 49 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 — 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
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

MATHEMATICS — 3
MATH 1330	Calculus I	3

RESEARCH METHODS OR INTERNSHIP — 2
MATH 4293	Senior Seminar	2

SOCIAL SCIENCE – SELECT ONE — 3
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

US HISTORY OR US GOVERNMENT – SELECT ONE — 3
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

CLASSROOM TECHNOLOGY — 3
EDUC 2311	Classroom Technology	3

FRESHMAN SEMINAR — 1
UMHB 1101	Freshman Seminar	1

GLOBAL EMPHASIS – STUDY ABROAD — 3
	Study Abroad	3

CHAPEL – 1 to 4 credits
UMHB 1002	Chapel	

Fine Arts Experience – 2 to 8 credits
UMHB 1005	Fine Arts Experience	

Mathematics

B.S. MATHEMATICS MAJOR REQUIRED COURSES — 36
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

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 — 5 Hours

Total Hours
Academic Core for B.S.	49
Global Emphasis – Study Abroad	3
B.S. Mathematics Major Required Courses	36
Minor in Pedagogy (Secondary Level Certification)	27
Electives	5
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	2.0