

# Mathematics (B.A.) 7-12 Cert.

2024-2025 Academic Catalog, Bachelor of Arts – Mathematics, 7-12 Certification

## Academic Core for B.A.

**64 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

### **FOREIGN LANGUAGE** **14**

14 semester hours (4 semesters or the equivalent) in one language 14

### **LAB SCIENCE** **4**

PHYS 2421	Physics I with Calculus	4
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### **PUBLIC SPEAKING** **3**

COMM 1320	Public Speaking	3
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### **MATHEMATICS** **4**

MATH 1430	Calculus	4
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### **LITERATURE OR HUMANITIES – SELECT ONE** **3**

HUMA X3XX	Humanities	3
ENGL 23XX	Literature	3

### **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

### **WORLD CULTURES or ANY PHILOSOPHY – 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
	any Philosophy course	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

### **CLASSROOM TECHNOLOGY** **3**

EDUC 2311	Classroom Technology	3
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### **FRESHMAN SEMINAR** **1**

UMHB 1101	Freshman Seminar	1
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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

**67 Hours**

### **B.A. MATHEMATICS MAJOR REQUIRED COURSES** **40**

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	2
MATH 4310	Analysis	3
MATH 4320	Abstract Algebra	3
MATH 4385	Mathematical Probability and Statistics	3

### **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

### **Total Hours**

Academic Core for B.A.	64
B.A. Mathematics Major Required Courses	40
Minor in Pedagogy (Secondary Level Certification)	27
<b>Total hours required for graduation</b>	<b>131</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