

COLLEGE OF ARTS & SCIENCES
2024-2025 MATHEMATICS
TEACHER LICENSURE (6-12)
B.S. DEGREE PLAN

FIRST YEAR - FRESHMAN							
Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
BIB	121	Life of Christ ¹	2	BIB	122	Acts of the Apostles ¹	2
MAT	120	Precalculus ³	4	MAT	122	Analytics & Calculus I ^{1,3}	4
CIS	171	Computer Programming I	3	MAT	235	Introductory Statistics	3
ENG	101	English Composition I ¹	3	ENG	102	English Composition II ^{1,3}	3
EDU	130	Introduction to Education	3	SPE	240	Special Education Foundations ³	3
			15				15
SECOND YEAR - SOPHOMORE							
Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
BIB		Bible Elective	2	BIB		Bible Elective	2
MAT	223	Analytics & Calculus II ³	4	MAT	240	Discrete Mathematics ³	3
PHS	211	Physics for Science & Engineering I ^{2,3}	4	MAT	345	Differential Equations ³	3
		Critical & Creative Works ^{1,2}	3			Behavioral Sciences ^{1,2}	3
		History ^{1,2}	3	COM	140	Speech Communication ¹	3
				EDU	250	Prof. Reflective Seminar I ³	2
			16				16
THIRD YEAR - JUNIOR							
Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
BIB		Bible Elective	2	BIB	346	Foundations of Faith ¹	3
MAT	224	Analytics & Calculus III ³	4	MAT		Upper Division Math Elective	3
MAT	330	Linear Algebra ³	3	MAT		Upper Division Math Elective	3
MAT		Upper Division Math Elective	3			Electives	2
EDU	320	Technology in the Classroom ³	3	PSY	306	Educational Psychology ³	3
RDG	321	Teaching Secondary School Literacy ³	3	EDU	327	Tests & Measurement ³	3
			18				17
FOURTH YEAR - SENIOR							
Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
BIB	495	Values in Human Thought & Action ^{1,3}	3	EDU	447	Student Teaching, Secondary ³	12
MAT		Upper Division Math Elective	3	EDU	450	Prof. Reflective Seminar III ³	1
MAT	495	Mathematics Seminar ³	1				
		Electives	3				
EDU	428	Classroom Management ³	2				
EDU	431B	Tchg Methods & Literacy – Secondary Math ³	3				
EDU	350	Prof. Reflective Seminar II ³	1				
			16				13
							Total
							126

¹Liberal Arts Core Requirement

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²Liberal Arts Core Requirements in *Undergraduate Catalog*

³Course has prerequisite. See corresponding *Undergraduate Catalog*

ADDITIONAL ITEMS RELATED TO THE MAJOR

A. MAT 120 Precalculus may be omitted by students who have completed a high school trigonometry or precalculus courses and who have a score of 27 or higher on the math portion of the ACT.

B. MAT424 Complex Analysis OR MAT426 Advanced Calculus is required for the major; however, it is recommended that majors complete both courses, when scheduling permits.

C. Note that many upper-division math courses are only offered every other year. To complete the degree requirements in four years, be sure to schedule required courses in the semester they are offered.

The following guidelines are important. Failure to follow these guidelines may delay graduation.

1. Plan schedules carefully. Plan to fulfill prerequisites for future courses.
2. Do not alter the sequence of courses without consulting with your academic adviser as not all classes are offered every semester.
3. Before the enrollment period, check to make sure holds will not prevent you from registering.
4. Register for classes early during the registration period to secure classes.

The Four-Year Degree Plan is a suggested plan of study. This plan does not replace the *Undergraduate Catalog*. The *Undergraduate Catalog* provides the official listing of program requirements.

2024-25 Undergraduate Liberal Arts Core Requirements

I. Biblical Values		III. Broadened Perspectives	
A. Bible		A. Behavioral Sciences	
BIB 121 AND 122 AND 346 OR 446	7	FAM/SOC 230 OR PSY 210 OR SOC 241 OR SWK 251	3
II. Basic Skills		B. Natural Sciences	
A. Written Communication		BIO 100 OR BIO 105 OR BIO 110 OR BIO 111 OR BIO 112 OR BIO 211 OR CHE 121 OR PHS 111 OR PHS 112 OR PHS 201 OR PHS 211	
ENG 101 AND ENG 102	6	3	
B. Oral Communication		C. Arts and Humanities	
COM 140	3	HISTORY: HIS 111 OR HIS 112 OR HIS 221 OR HIS 222 OR HUM 399A OR POL 251	
C. Quantitative Reasoning		CRITICAL AND CREATIVE WORKS:	
MAT 100 OR MAT 101 OR MAT 120 OR MAT 122 OR MAT 235	3	ART 110 OR ART 234 OR ENG 225 OR ENG 226 OR ENG 235 OR ENG 236 OR ENG 245 OR ENG 246 OR MUS 110 OR MUS 214 OR PHI 243 OR PHI 245 OR PHI 246 OR THE 160 OR THE 265 OR THE 299A	
Complete course names and descriptions for the Liberal Arts Core Requirements are located in the Undergraduate Catalog.		HUMANITIES CAPSTONE: BIB/HUM 495	
		3	