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
HIS		History[1,2]	3	COM	140	Speech Communication[1]	3
			15				**15**

SECOND YEAR - SOPHOMORE

Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
BIB		Bible Elective	3	BIB		Bible Elective	3
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
						Electives	4
			14				**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
		Electives	8			Electives	8
			17				**17**

FOURTH YEAR - SENIOR

Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
BIB		Bible Elective	2	BIB	495	Values in Human Thought & Action[1,3]	3
MAT		Upper Division Math Elective	3	MAT		Upper Division Math Elective	3
MAT	495	Mathematics Seminar[3]	1			Electives	10
		Electives	10				
			16				**16**
						Total	**126**

[1]Liberal Arts Core Requirement

[2]Liberal Arts Core Requirements in *Undergraduate Catalog*

[3]Course 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.

D. When selecting elective courses, be aware that all students must complete a minimum of 42 upper-division hours (300- or 400-level courses) in order to fulfill graduation requirements.

E. Math majors are encouraged to use elective hours to complete a minor or second major in another field of study.

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	3
ENG 101 **AND** ENG 102	6		
B. Oral Communication			
COM 140	3		
C. Quantitative Reasoning		**C. Arts and Humanities**	
MAT 100 **OR** MAT 101 **OR** MAT 120 **OR** MAT 122 **OR** MAT 235	3	*HISTORY*: HIS 111 **OR** HIS 112 **OR** HIS 221 **OR** HIS 222 **OR** HUM 399A **OR** POL 251	3
Complete course names and descriptions for the Liberal Arts Core Requirements are located in the Undergraduate Catalog.		*CRITICAL AND CREATIVE WORKS:* 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	3
		HUMANITIES CAPSTONE: BIB/HUM 495	3
		Total	34