COLLEGE OF ARTS & SCIENCES
2023-2024 MATHEMATICS BS - TEACHER LICENSURE (6-12) 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 and Calculus I[1,3]	4
CIS	171	Computer Programming I	3	CIS	172	Computer Programming II[3]	3
ENG	101	English Composition I[1]	3	ENG	102	English Composition II[1,3]	3
		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	2	BIB		Bible Elective	2
MAT	223	Analytics and Calculus II[3]	4	MAT	224	Analytics and Calculus III[3]	4
PHS	211	Physics for Science & Engin I[2,3]	4	MAT	351	Probability[3]	3
		Critical and Creative Works[1,2]	3	MAT	240	Discrete Mathematics[3]	3
EDU	130	Introduction to Education	3	SPE	240	Special Education Foundations[3]	3
				EDU	250	Prof. Reflective Seminar I[3]	2
			16				17

THIRD YEAR - JUNIOR

		Fall Semester				Spring Semester	
Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs
BIB	346	Foundations of Faith[1]	3	BIB		Bible Elective	2
MAT	353	Statistical Inference[3]	3	MAT	330	Linear Algebra[3]	3
MAT	441	Number Theory[3]	3	MAT	345	Differential Equations[3]	3
		Behavioral Sciences[1,2]	3	MAT	426	Advanced Calculus[3]	3
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 and 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[1,3]	3	EDU	447	Student Teaching, Secondary[3]	12
MAT	306	Foundations of Geometry[3]	3	EDU	450	Prof. Reflective Seminar III[3]	1
MAT	430	Abstract Algebra[3]	3				
MAT	495	Mathematics Seminar[3]	1				
EDU	428	Classroom Management[3]	2				
EDU	431B	Tchg Methods & Literacy - Secondar	3				
EDU	350	Prof. Reflective Seminar II[3]	1				
			16				13

(Superscripts if needed)

[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.

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 registration.
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.

2023-2024 Undergraduate Liberal Arts Core Requirements

I. Biblical Values
BIB 121 **AND** 122 **AND** 346 **OR** 446   7

II. Basic Skills

A. Written Communication
ENG 101 **AND** ENG 102   6

B. Oral Communication
COM 140 Speech Communication   3

C. Quantitative Reasoning
MAT 100 **OR** MAT 101 **OR**   3 or 4
MAT 120 **OR** MAT 122 **OR** MAT 235

III. Broadened Perspectives

A. Behavioral Sciences
BIB/FAM 230 **OR** PSY 210 **OR**   3
SOC 241 **OR** SWK 251

Complete course names and descriptions for the liberal arts core requirements are located in the *Undergraduate Catalog* .

B. Natural Sciences
BIO 100 **OR** BIO 105 **OR** BIO 110 **OR**   3 or 4
BIO 111 **OR** BIO 112 **OR** BIO 211 **OR**
CHE 121 w/CHE121L **OR** PHS 111 **OR**
PHS 112 **OR** PHS 201 **OR** PHS 211

C. Arts and Humanities

1. History   3
HIS 111 **OR** HIS 112 **OR** HIS 221 **OR**
HIS 222 **OR** POL 251

2. Creative Works   3
ART 110 **OR** ART 201 **OR** ART 234 **OR**
ENG 215 **OR** ENG 225 **OR** ENG 235 **OR**
ENG 299A/399A **OR** MUS 110 **OR** MUS 214 **OR**
PHI 243 **OR** PHI 245 **OR** PHI 246 **OR**
THE 160 **OR** THE 265 **OR** THE 299A/399A

3. Humanities Capstone   3
BIB/HUM 495