## **Mathematics (B.S.)**

2020-2021 Catalog

**Secondary Licensure Option (6-12)** 

FRESHMAN – Fall Semester	Hours	FRESHMAN – Spring Semester	Hours		
COL 100 Bryan Gateway Seminar	1	Christian Studies Elective (BIB/CM/CT/PHIL)	3		
CT 113 Critical Survey of Worldviews	3	BIB 222 Old Testament Literature & Interpretation	3		
ENG 109 College Writing I OR ENG 111 Freshman English*	3	EDUC 119 Intro to Teaching	3		
HIS General Survey Course (100/200 level)	3	MATH 132 Intro to Logic & Proof	3		
MATH 122 Calculus I (satisfies core math requirement)	4	MATH 221 Calculus II	4		
		(ENG 110 College Writing II)*			
TOTAL HOURS	14	TOTAL HOURS	16		
SOPHOMORE – Fall Semester	SOPHOMORE – Spring Semester				
COMM 111 Intro to Communication	3	BIB 224 New Testament Literature & Interpretation	3		
Choose <b>ONE</b> of the following: ECFN 100/200, PSGS 221, 226, 315, SS 211 <b>or</b> foreign language	3	PSY 330 Life-Span Development	3		
EDUC 224 Human Learning	3	EDUC 226 Classroom Management	2		
MATH 222 Calculus III	4	EDUC 311 Instructional Technology	3		
MATH 340 Modern Geometry**	3	MATH 242 Statistics for Scientists & Engineers	3		
TOTAL HOURS	16	TOTAL HOURS	14		
JUNIOR – Fall Semester		JUNIOR – Spring Semester	JUNIOR – Spring Semester		
PHYS 245 College Physics I (satisfies core nat sci elective)	4	EDUC 324 Exceptional Children	2		
EDUC 323 Tests & Measurements	2	EDUC 338 Universal Teaching Methods	3		
EDUC 340 Curriculum Design	2	MATH 330 History & Philosophy of Mathematics**	2		
EDUC 341 Methods of Teaching Math	2	MATH 423 Abstract Algebra**	3		
MATH 400 Advanced Research	3	PHYS 246 College Physics II	4		
MATH 326 Differential Equations	4				
TOTAL HOURS	17	TOTAL HOURS	14		
SENIOR – Fall Semester	SENIOR – Spring Semester				
EDUC 440 Education Capstone	2	Christian Studies Elective (BIB/CM/CT/PHIL/GRK/HEB)	3		
EDUC 442 Observation & Student Teaching	12	Choose <i>ONE</i> of the following: ENG 100/200, FA 211, FLM 210, MUS 100/200, or THT 100/200 (excludes ENG 245, lessons, ensembles, practicums)	3		
		Free electives	2		
		EHS 221 Safety Education & First Aid	2		
		EHS 222 School & Community Health	2		
	1	EDUC 420 Philosophy of Education	2		
		MATH 490 Senior Seminar	1		
TOTAL HOURS	14	TOTAL HOURS	15		

<sup>\*</sup>Depending on standardized test scores, students are required to take either ENG 109-110 College Writing I and II (6 credits) OR ENG 111 Freshman English (3 credits). Students who are placed in the ENG 109-110 sequence will need to take ENG 110 in the spring semester of the freshman year.

This document is to be used for planning purposes only. Please refer to the academic catalog for complete information. Course planning should be completed in consultation with your academic adviser. Not all courses are offered every semester or every year.

<sup>\*\*</sup>Offered Alternate Years