Mathematics (B.S.)

2020-2021 Catalog

Applied Mathematics and Computer Technology

FRESHMAN – Fall Semester	Hours		FRESHMAN – Spring Semester	Hours	
COL 100 Bryan Gateway Seminar	1		COMM 111 Intro to Communication	3	
CT 113 Critical Survey of Worldviews	3		HIS General Survey Course (100/200 level)	3	
ENG 109 College Writing I OR ENG 111 Freshman English*	3		CSCI 116 Programming I	3	
MATH 122 Calculus I (satisfies core math req.)	4		MATH 132 Intro to Logic & Proof	3	
Choose <i>ONE</i> of the following: PSY 111, 228, 330, or 334	3		MATH 221 Calculus II	4	
			(ENG 110 College Writing II)*		
TOTAL HOURS	14		TOTAL HOURS	16	
SOPHOMORE – Fall Semester			SOPHOMORE – Spring Semester		
BIB 222 Old Testament Literature & Interpretation	3		BIB 224 New Testament Literature & Interpretation	3	
Choose <i>ONE</i> of the following: ECFN 100/200, PSGS 221, 226, 315, SS 211 <i>or</i> foreign language	3		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 Elective	1		CSCI 324 Computer Organization**	3	
CSCI 328 Data Structures**	3		MATH 242 Statistics for Scientists & Engineers	3	
MATH 222 Calculus III	4		CSCI 325 Programming II**	3	
TOTAL HOURS	14		TOTAL HOURS	15	
JUNIOR – Fall Semester	, ,		JUNIOR – Spring Semester		1
Christian Studies Elective (BIB/CM/CT/PHIL)	3		Free Electives	3	
PHYS 245 College Physics I (satisfies core nat sci elec)	4		MATH 324 Numerical Methods**	3	
CSCI 241 Introduction to Database Development**	3		MATH 330 History & Philosophy of Mathematics**	2	
MATH Elective (300/400 level)	3	`	MATH Elective (300/400 level)	3	
MATH 326 Differential Equations	4		PHYS 246 College Physics II	4	
TOTAL HOURS	17		TOTAL HOURS	15	
SENIOR – Fall Semester			SENIOR – Spring Semester		ı
Free Electives	12		Christian Studies Elective (BIB/CM/CT/PHIL/GRK/HEB)	3	
MATH 400 Advanced Research	3		Free Electives	4	
			CSCI 251 Operating Systems**	3	
			CSCI 422 Networking**	3	
			MATH 490 Senior Seminar	1	
TOTAL HOURS	15		TOTAL HOURS	14	

^{*}Depending on standardized test scores, students are required to take either ENG 109-110 College Writing I and II (6 credits) <u>OR</u> 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.

^{**}Offered Alternate Years