

2019-2020

B.A. or B.S. MATHEMATICS & COMPUTING



GRACE CORE (39 credits; 2 APLs)

The Grace Core is designed around four essential relationships. Though all courses engage most relationships, courses are organized according to the relationship that is their primary focus.

Relationship to God			Relationship to Others		
BIB 1050	Exploring the Bible	3	COM 1100	Public Speaking	3
@ BIB 2010	Scripture and Interpretation	3	ENG 1100	Effective Writing	3
@ BIB 3300	Essential Doctrinal Themes	3	PSY 1200	Essentials in Behavioral Science	3
Relationship to Self			Relationship to the World and Environment		
FYE 1000	First-Year Foundations	3	HIS 1380	Contemporary American and the World	3
ECN 3000	Consumer Economics	3	HUM 2000	Global Perspectives	3
@ PHI 3010	Christianity and Critical Thinking	3	HUM 2010-30	Cross-cultural Field Experience (2 APL)	0
			HUM 2100	Creative Arts & Culture	3
			SCI 2030	Faith, Science, and Reason	3

ADDITIONAL GENERAL EDUCATION--B.A. or B.S. DEGREE (6 credits)

Satisfies B.S. Degree			Satisfies B.A. Degree		
MAT 1000+	Any Math (1000 Level and Above)	3	FRE/SPA	Proficiency in Language & Culture	6
	Any Science/Social Science with the following course prefix:	3	GRE/HEB	French, Spanish, Greek, Hebrew	
	PSY, BHS, SOC, ECN, CSI, HIS, POS, GEO				

THE MAJOR (44 credits; 3 APLs)

MATH COURSES			INFORMATION SYSTEMS COURSES		
MAT 1230	Calculus I	4	ISM 1150	Introduction to Computer Science	3
MAT 1240	Calculus I Lab (1 APL)	0	ISM 2150	Object-Oriented Programming	3
@ MAT 1250	Calculus II	4	ISM 2700	HTML and Web Development	3
@ MAT 1260	Calculus II Lab (1 APL)	0	ISM 3400	Database	3
@ MAT 2250	Calculus III	3	ISM 3500	Data Structures	3
MAT 2100	Introduction to Proofs	3	Choose one of the following:		
MAT 2200	Discrete Math	3	ISM 4110	Client Side Programming	3
@ MAT 3130	Linear Algebra	3	ISM 4120	Server Side Programming	3
@ MAT 4020	Senior Seminar in Mathematics (1 APL)	3	ISM 3470	Business Information Systems	3

DEPARTMENT ELECTIVE

Choose one department elective from MAT or ISM:
 MAT/ISM --- Must be 3000 level course or above 3

GRADUATION REQUIREMENTS

To receive a degree, each student must satisfy checksheet requirements, earn 120 credit hours, fulfill 12 credits of Applied Learning, have a 2.2 GPA in major courses, and a GPA of 2.0 overall. It is the student's responsibility to work with his/her advisor and monitor progress toward these goals. Some majors and/or minors may have more stringent guidelines.

It is strongly encouraged that a minimum of 6 Applied Learning credits be earned in experiential education taking place outside the traditional classroom setting.

IS A MINOR REQUIRED WITH THIS MAJOR? YES

Notes about this major:

Potential to earn more APLs with department elective choices

CHECKSHEET TOTAL CREDITS: 89

CHECKSHEET TOTAL APL: 5

TOTAL CREDITS NEEDED TO GRADUATE: 120 (12 APLs)

† Indicates a course taught by a partner college/university.

@ Indicates a course with prerequisites. Please review catalog for prerequisites.