

2020-2021

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



**GRACE CORE (39 credits)**

*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**

BIB 1050	Exploring the Bible	3
@ BIB 2010	Scripture and Interpretation	3
@ BIB 3300	Essential Doctrinal Themes	3

**Relationship to Self**

FYE 1000	First-Year Foundations	3
ECN 3000	Consumer Economics	3
@ PHI 3010	Christianity and Critical Thinking	3

**Relationship to Others**

COM 1100	Public Speaking	3
ENG 1100	Effective Writing	3
PSY 1200	Essentials in Behavioral Science	3

**Relationship to the World and Environment**

HIS 1050	Current Issues in Historical Context	3
HUM 2000	Global Perspectives	3
HUM 2010-30	Cross-cultural Field Experience	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**

MAT 3200	Probability and Statistics	3
Any Science/Social Science with the following course prefix: 3		
PSY, BHS, SOC, ECN, CSI, HIS, POS, GEO		

**Satisfies B.A. Degree**

FRE/SPA	Proficiency in Language & Culture	6
GRE/HEB	French, Spanish, Greek, Hebrew	

**THE MAJOR (47 credits)**

**MATH COURSES**

MAT 1230	Calculus I	4
MAT 1240	Calculus I Lab	0
@ MAT 1250	Calculus II	4
@ MAT 1260	Calculus II Lab	0
@ MAT 2250	Calculus III	3
MAT 2100	Introduction to Proofs	3
MAT 2200	Discrete Math	3
@ MAT 3130	Linear Algebra	3
@ MAT 4020	Senior Seminar in Mathematics	3
MAT 4930	Mathematics Internship	3

**INFORMATION SYSTEMS COURSES**

ISM 1150	Introduction to Computer Science	3
ISM 2150	Object-Oriented Programming	3
ISM 2700	HTML and Web Development	3
ISM 3400	Database	3
ISM 3500	Data Structures	3
<b>Choose one of the following:</b>		
ISM 4110	Client Side Programming	3
ISM 4120	Server Side Programming	3
ISM 3470	Business Information Systems	3

**DEPARTMENT ELECTIVE**

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

**GRADUATION REQUIREMENTS**

To receive a degree, each student must satisfy checklist requirements, earn 120 credit hours, 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.

**IS A MINOR REQUIRED WITH THIS MAJOR? YES**

**CHECKSHEET TOTAL CREDITS: 92**  
**TOTAL CREDITS NEEDED TO GRADUATE: 120**

† Indicates a course taught by a partner college/university.  
 @ Indicates a course with prerequisites. Please review catalog for prerequisites.