

2018-2019

**B.A. or B.S. MATHEMATICS**



**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.

<b>Relationship to God</b>			<b>Relationship to Others</b>		
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
<b>Relationship to Self</b>			<b>Relationship to the World and Environment</b>		
FYE 1010	Freshman Foundations	3	HIS 1380	Contemporary America 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 and Culture	3
			SCI 2030	Faith, Science, and Reason	3

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

<b>Satisfies B.S. Degree</b>			<b>Satisfies B.A. Degree</b>		
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, SOC, BHS, ECN, CSI, HIS, POS, GEO				

**THE MAJOR (45-46 credits; 6 APLs)**

**MATH AND SCIENCE COURSES (45 credits)**

ISM 1150	Introduction to Computer Science	3
MAT 1230	Calculus I	4
MAT 1240	Calculus I Lab (1 APL)	0
MAT 1250	Calculus II	4
MAT 1260	Calculus II Lab (1 APL)	0
MAT 2250	Calculus III	3
MAT 2100	Introduction to Proofs	3
MAT 2200	Discrete Mathematics	3
MAT 2280	Differential Equations	3
MAT 3130	Linear Algebra	3
MAT 4020	Senior Seminar in Mathematics (1 APL)	3
PHY 2240	University Physics I	4
PHY 2250	University Physics Lab I (1 APL)	0

**Choose one of the following:**

MAT 4140	Abstract Algebra	3
MAT 4280	Real Analysis	3

**Choose two of the following:**

MAT 3280	College Geometry	3
MAT 4320	Mathematical Statistics	3
MAT 3930	Independent Study in Math	3
MAT 4200	Probability Theory	3
MAT 4830	Research in Mathematics	3
MAT 4280	Real Analysis	3
MAT 4140	Abstract Algebra	3

**Choose one of the following:**

PHY 2260/2270	University Physics II/Lab (1 APL)	4
ISM 2150	Object-Oriented Programming	3
BUS 3050	Business Spreadsheet App (1 APL)	3

**TOTAL CREDITS TO GRADUATE: 120 (12 APLs)**

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**

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

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