

2019-2020

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.

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 1380	Contemporary American and the World	3
HUM 2000	Global Perspectives	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

MAT 1000+	Any Math (1000 Level and Above)	3
	Any Science/Social Science with the following course prefix: PSY, SOC, BHS, ECN, CSI, HIS, POS, GEO	3

Satisfies B.A. Degree

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

THE MAJOR (45-46 credits; 4-6 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 3930	Independent Study in Math	3
@ MAT 4140	Abstract Algebra	3
@ MAT 4200	Probability Theory	3
@ MAT 4280	Real Analysis	3
@ MAT 4320	Mathematical Statistics	3
MAT 4830	Research in Mathematics	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

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:

CHECKSHEET TOTAL CREDITS: 90

CHECKSHEET TOTAL APL: 6-8

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.