

2018-2019

B.A. or B.S. MATHEMATICS EDUCATION - SECONDARY



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 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)

Satisfies B.S. Degree			Satisfies B.A. Degree		
MAT 3200	Probability & Statistics	3	FRE/SPA	Proficiency in Language & Culture	6
Any Science/Social Science with the following course prefix:			GRE/HEB	French, Spanish, Greek, Hebrew	
PSY, SOC, BHS, ECN, CSI, HIS, POS, GEO					

THE MAJOR (74 credits; 12+ APLs)

MATH AND SCIENCE COURSES			Professional Education Requirements		
ISM 1150	Introduction to Computer Science	3	SED 1000	Teaching School in America	3
MAT 1230	Calculus I	4	@ SED 2200	The School Age Child	3
MAT 1240	Calculus I Lab (1 APL)	0	@ SED 2210	Responsive and Differentiated Instruction	3
@ MAT 1250	Calculus II	4	@ SED 2400	Teaching Exceptional Learners	3
@ MAT 1260	Calculus II Lab (1 APL)	0	@ SED 2500	Teaching in a Pluralistic Society	3
@ MAT 2250	Calculus III	3	@ SED 2600	Teaching and Learning	3
MAT 2100	Introduction to Proofs	3	@ SED 3600	Teaching in the Middle and High School	3
MAT 2200	Discrete Mathematics	3	@ SED 4650	Methods of Teaching Secondary Mathematics	3
@ MAT 3130	Linear Algebra	3	@ SED 4700	The Moral Practitioner (1 APL)	3
@ MAT 3280	College Geometry	3	@ SED 4900	Student Teaching and Seminar (9 APL)	9
@ MAT 4020	Senior Seminar in Mathematics (1 APL)	3			
@ MAT 4140	Abstract Algebra	3			
Choose two of the following:					
@ MAT 2280	Differential Equations	3			
@ MAT 3260	History of Math	3			
@ MAT 3380	Number Theory	3			
MAT 3930	Independent Study in Math	3			
@ MAT 4200	Probability Theory	3			
MAT 4830	Research in Mathematics	3			
@ MAT 4140	Real Analysis	3			

TOTAL CREDITS TO GRADUATE: 120 (12 APLs)

To receive a degree, each student must satisfy checklist requirements, earn 120 credit hours, fulfill 12 credits of Applied Learning, have earned a C- or better in major courses while maintaining a 2.5 GPA in major courses and a GPA of 2.0 overall. There are additional requirements that must be met before student teaching. It is the student's responsibility to work with his/her advisor and monitor progress toward these goals. *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? NO

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