

2019-2020

**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.*

<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 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)**

<b>Satisfies B.S. Degree</b>			<b>Satisfies B.A. Degree</b>		
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)**

<b>MATH AND SCIENCE COURSES</b>			<b>Professional Education Requirements</b>		
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 2100	Introduction to Proofs	3	@ SED 2600	Teaching and Learning	3
MAT 2200	Discrete Mathematics	3	@ SED 3600	Teaching in the Middle and High School	3
@ MAT 2250	Calculus III	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			
<b>Choose two of the following:</b>					
@ MAT 2280	Differential Equations	3			
MAT 3930	Independent Study in Math	3			
@ MAT 4280	Real Analysis	3			
@ MAT 4200	Probability Theory	3			
@ MAT 4320	Mathematical Statistics	3			
MAT 4830	Research in Mathematics	3			

**GRADUATION REQUIREMENTS**

To receive a degree, each student must satisfy checksheet 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**

Notes about this major:

**CHECKSHEET TOTAL CREDITS: 113**  
**CHECKSHEET TOTAL APL: 14**  
**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.