

2019-2020

B.A. or B.S. HEALTH SCIENCE - OPTOMETRY CONCENTRATION



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 1000	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 and Statistics	3	FRE/SPA Proficiency in Language & Culture	6
PHY 1100	Introduction to Psychology	3	GRE/HEB French, Spanish, Greek, Hebrew	

THE MAJOR (42 credits; 10 APLs)

REQUIRED SCIENCE COURSES		REQUIRED MATHEMATICS/PHYSICAL SCIENCES		
BIO 1610	General Biology I	4	@ PHY 2140 College Physics I	4
BIO 1620	General Biology I Lab (1 APL)	0	@ PHY 2150 College Physics I Lab (1 APL)	0
@ BIO 1710	General Biology II	4	@ PHY 2160 College Physics II	4
@ BIO 1720	General Biology II Lab (1 APL)	0	@ PHY 2170 College Physics II Lab (1 APL)	0
BIO 2100	Health Sciences Seminar	1	MAT 1230 Calculus I	4
ENV 2110	General Ecology	4	MAT 1240 Calculus I Lab (1 APL)	0
ENV 2120	General Ecology Lab (2 APL)	0		
@ BIO 3110	Cell and Molecular Biology	3		
@ BIO 3210	Advanced Anat & Phys I	4		
@ BIO 3220	Advanced Anat & Phys I lab (1 APL)	0		
@ BIO 4110	Microbiology	4		
@ BIO 4120	Microbiology Lab (1 APL)	0		
@ BIO 4210	Genetics	3		
@ BIO 4010	Senior Seminar (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.

A CHEMISTRY MINOR IS REQUIRED WITH THIS CONCENTRATION

(adds 19 credits and 4 APL)
*In addition to 3 hours of math for BS degree, if chosen

CHECKSHEET TOTAL CREDITS: 81
CHECKSHEET TOTAL APL: 12
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.