

2024-2025

**B.A. or B.S. HEALTH SCIENCE - OPTOMETRY CONCENTRATION****GRACE CORE (39 credits)**

*Students will integrate faith and learning across disciplines, demonstrate foundational knowledge and ways of knowing, cultivate characteristics of maturity in relationships with God, others, self, and the world, and apply knowledge to all aspects of life through intellectual and practical skills.*

**1000-Level Courses****First-Year Learning Communities**

FYE 1000	First-Year Foundations	3
BIB 1050	Exploring the Bible	3
PSY 1200	Essentials of Behavioral Science	3
HIS 1050	Current Issues in Historical Context	3

**First-Year Learning Competencies**

ENG 1100	Effective Writing	3
COM 1100	Public Speaking	3

**2000-Level Courses**

HUM 2100	Creative Arts & Culture	3
@ HUM 2000	Global Perspectives	3
SCI 2030	Faith, Science, & Reason	3
HUM 2010-30	Cross-Cultural Field Experience	0
@ BIB 2010	Scripture and Interpretation	3

**3000-Level Courses**

ECN 3000	Consumer Economics	3
PHI 3010	Christianity and Critical Thinking	3
@ BIB 3300	Essential Doctrinal Themes	3

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

MAT 3200	Probability & Statistics	3
PSY 1100	Introduction to Psychology	3

**Satisfies B.A. Degree**

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

**THE MAJOR (45 credits)****REQUIRED SCIENCE COURSES**

BIO 1610	General Biology I	4
BIO 1620	General Biology I Lab	0
@ BIO 1710	General Biology II	4
@ BIO 1720	General Biology II Lab	0
@ BIO 2100	Health Sciences Seminar	1
ENV 2110	General Ecology	4
ENV 2120	General Ecology Lab	0
@ BIO 3110	Cell and Molecular Biology	3
@ BIO 3210	Advanced Anatomy & Physiology I	4
@ BIO 3220	Advanced Anatomy & Physiology I Lab	0
@ BIO 4110	Microbiology	4
@ BIO 4120	Microbiology Lab	0
@ BIO 4210	Genetics	3
@ BIO 4010	Senior Seminar	3

**REQUIRED MATHEMATICS/PHYSICAL SCIENCES**

@ PHY 2140	College Physics I	4
@ PHY 2150	College Physics I Lab	0
@ PHY 2160	College Physics II	4
@ PHY 2170	College Physics II Lab	0
MAT 1230	Calculus I	4
MAT 1240	Calculus I Lab	0

**REQUIRED FIELD LEARNING****Choose three credits from the following:**

@ BIO 2850/60/70	Healthcare Observation - 1 credit each	(1-3)
@ BIO 2810/20/30	Healthcare Experience	(1-3)

(any combination of BIO 28x0 courses totaling 3 credits is acceptable)

**GRADUATION REQUIREMENTS**

To receive a degree, each student must satisfy checklist requirements, earn 120 credit hours, 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.

**A CHEMISTRY MINOR IS REQUIRED WITH THIS CONCENTRATION**

All Major classes must be completed with a C or better.

**CHECKSHEET TOTAL CREDITS: 90**  
**TOTAL CREDITS NEEDED TO GRADUATE: 120**

HSC05

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

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