

ACADEMIC ROADMAP
Optometry Programs

Freshman Year

FIRST SEMESTER		
Course Title	Catalog Number	Prerequisite
Foundations of Biology	BIO 111	
General Chemistry I	CHE 111/113	
Major course		
General Education Social Science	PSY 101	
College Writing I	CWP 101	

SECOND SEMESTER		
Course Title	Catalog Number	Prerequisite
Introductory Biology Series	BIO 211 or 213	BIO 111 (C or better)
General Chemistry II	CHE112/114	CHE 111/113
Major course		
General Education Diversity	EXE 100	
College Writing II	CWP 102	

Notes: Follow the Chemistry sequence through Organic I (CHE 201/203) or Biochemistry: CHE 470 (taught only in fall). Check with your programs.

Sophomore Year

THIRD SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or 213	BIO 111 (C or better)
Fundamentals of Chemistry II + lab	CHE 112/114	CHE 111/113
Functions and Modeling	MAT 114	
Lifespan Development	PSY 355	
Major course		

FOURTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
Microbiology	BIO 316	BIO 211, 213 and CHE 111/113
Organic Chemistry 1 + Lab	CHE 201/203	CHE 112/114
Functions & Modeling II	MAT 124	MAT 114
Major course		
GE 23		

Notes: Statistics (MAT 311) and Calculus(MAT 126) are often both required Check with your program for Organic or Biochemistry requirements

Junior Year

FIFTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
Organic Chemistry II + lab	CHE 202/204	CHE 201/203
College Physics I or University Physics II	PHY 107 or PHY 111	
Anatomy & Physiology I	BIO 311	
GE 23		

SIXTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
College Physics II or University Physics II	PHY 108 or PHY 112	PHY 107 Or PHY 111
Anatomy & Physiology II	BIO 312	BIO 311
Applied Calculus	MAT 126	MAT 124
Major course		
GE 23		

Senior Year

SEVENTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
Biochemistry if not taken before	CHE 470	CHE 202/204
Major course / GE 23		
Major course / GE 23		
Major course / GE 23		
Major course / GE 23		

EIGHTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
Major course / GE 23		
Major course / GE 23		
Major course / GE 23		
Major course / GE 23		
Major course / GE 23		

<https://optometriceducation.org/wp-content/uploads/2020/05/ASCO-Prerequisites-2020-5-1-20.pdf>