

ACADEMIC ROADMAP

Optometry Programs (Preparing for the OAT) Fall 2022

Freshman Year (30 credits)

FIRST SEMESTER

Course Title	Catalog Number	Prerequisite(s)
College Writing I	CWP 101	
Foundations of Biology	BIO 111	
Functions & Modeling	MAT 114 (IF Math)	
Intellectual Foundations course	PSY 101 (IF Social Science)	
Major course		

SECOND SEMESTER

Course Title	Catalog Number	Prerequisite(s)
College Writing II	CWP 102	CWP 101
Introductory Biology Series	BIO 211 or 213	BIO 111 ("C" or better)
Fundamentals of Chemistry I w/ lab	CHE 111/113 (lab)	CHE 110 or MAT 114 ("C" or better)
Intellectual Foundations course	EXE 100 (IF Diversity)	
Major course	By Advisement	

Notes and recommendations: Attend at least one faculty office hour; visit Academic Commons (Math & Writing Centers, tutoring); view your degree audit sheet in Degree Works. Meet with Pre-health advisor regularly. Notes: Follow the Chemistry sequence through Organic I (CHE 201/203) or Biochemistry: CHE 470 (taught only in fall). Check with your programs (link below).

Sophomore Year (60 credits)

THIRD SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or 213	BIO 111 ("C" or better)
Fundamentals of Chemistry II w/ lab	CHE 112/114 (lab)	CHE 111/113 (lab)
Intellectual Foundations course		
Functions & Modeling II	MAT 124	MAT 114
Major course	By advisement	

FOURTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
General Microbiology	BIO 316 (Spring only)	BIO 211, 213, CHE 111/113
Organic Chemistry I with lab	CHE 201/203	CHE 112/114
Major course	By advisement	

Notes and recommendations: Form a study group; consider enrolling in a minor or certificate program. Check your intended program for preferred math: You may need Applied Calculus I (MAT 126) (prerequisites are MAT 114 and MAT 124) and Applied Calculus II (MAT 127). Some programs prefer statistics: MAT 311.

Junior Year (90 credits)

FIFTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Organic Chemistry II with lab	CHE 202/204	CHE 201/203
College Physics I (Algebra based) or University Physics I (Calculus based)	PSY 107 or PHY 111	
Developmental Psychology	PSY 355	PSY 101 ("C" or better)
Anatomy & Physiology I	BIO 311	Fall only

SIXTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
College Physics II or University Physics	PHY 108 or PHY 112	PHY 107 PHY 111
Anatomy & Physiology II	BIO 312 (spring only)	BIO 311

Notes and recommendations: Visit the Career Development Center; talk to your faculty advisor about graduate school options. Prepare for the OAT

Senior Year (120 credits)

SEVENTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Biochemistry	CHE 470 (fall only)	BIO 211, CHE 202
Applied Calculus	MAT 126	MAT 124

EIGHTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)

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