

2025-2026 Schedule for BIOC Courses Available to Undergraduates

Fall 2025

<u>Course</u>	<u>Title</u>	<u>Prerequisite(s)</u>
BIOC 101	Frontiers in Biochemistry	none
BIOC 285	Honors Readings in Biochemistry	Honors Research track students
BIOC 307	Introduction to Biochemistry: From Molecules to Medical Science	CHEM 223/323 and 224/324
*BIOC 310	Microbial Physiology and Therapeutic Opportunities	BIOL 215 and CHEM 223/323
BIOC 334	Structural and Computational Biology	BIOL 215 and CHEM 223/323
BIOC 345	Metabolic Regulation, Dysregulation, and Disease	BIOC 307
BIOC 350	Molecular Basis of Cancer	BIOC 308
BIOC 360	Advanced Technologies for Cancer Research	BIOC 307 or BIOL 114 or BIOL 116 or EBME 201
**BIOC 373	Biochemistry Senior Seminar	BIOC 307 and BIOC 308
BIOC 391	Capstone Research	Permission form
BIOC 393	Senior Capstone Communication	BIOC 391
BIOC 501	Biochemical and Cellular Techniques for Biotechnology	BIOL 215L and CHEM 113
BIOC 511	Practice and Professionalism in Biotechnology	Seniors applying for jobs in biotechnology or pharmaceuticals
BIOC 211	Antibiotics: From Miracle Drugs to Superbugs	AIQS
BIOC 250	A Brief History of Cancer	AIQS

Spring 2026

<u>Course</u>	<u>Title</u>	<u>Prerequisite(s)</u>
BIOC 101	Frontiers in Biochemistry	none
BIOC 308	Molecular Biology	BIOL 214, BIOL 215, and CHEM 223/323
*BIOC 311	Antimicrobial Therapies and Resistance	BIOL 215 and CHEM 223/323
BIOC 312	Proteins and Enzymes	BIOC 307
BIOC 315	Lipids, Membranes, and Membrane Proteins	BIOC 307
BIOC 344	Molecular Endocrinology	BIOC 307
BIOC 353	Biochemical Pathways in Cancer Therapeutics	BIOC 308 and BIOC 350
**BIOC 373	Biochemistry Senior Seminar	BIOC 307 and BIOC 308
BIOC 391	Capstone Research	Permission form
BIOC 393	Senior Capstone Communication	BIOC 391
BIOC 277	Viruses and Human Disease	AIQS

* semester change starting 2025-26

** BIOC 373 will be offered both fall and spring semesters (new addition for spring 2026)