

Biochemistry

Bachelor of Science | College of Arts & Sciences | Quinnipiac University | Catalog year 2024-2025

Sample four-year plan

Shown below is one of many possible paths through the curriculum. Each student's individual academic plan is crafted in consultation with their academic advisor.

First Year						
Milestones: Earn 30 credits, meet with your advisor at least once a semester, and a GPA of 2.0 or higher.						
Fall Semester			Credits	Spring Semester		Credits
EN 101	Introduction to Academic Reading and Writing <i>UC Foundations Inquiry</i>	3	EN102	Academic Writing/Research <i>UC Foundations Inquiry</i>	3	
FYS 101	First-Year Seminar <i>UC Foundations Inquiry</i>	3	CHE 111& CHE 111L	General Chemistry II & General Chemistry II Lab <i>University Curriculum-Natural Science lecture only</i>	3 1	
CHE 110 & CHE 110L	General Chemistry I & General Chemistry 1 Lab <i>University Curriculum - Natural Science</i>	3 1	BIO 151 & BIO 151L	Molecular and Cell Biology and Genetics & Molecular and Cell Biology and Genetics Laboratory	3 1	
BIO 150 & BIO 151L	General Biology for Majors & General Biology for Majors Laboratory	3 1	MA141	Calculus I <i>UC Foundations Inquiry</i>	3	
MA140	Pre-Calculus <i>University Curriculum (UC)</i>	3		Social Science <i>University Curriculum (UC)</i>	3	
	<i>Total</i>	17		Total	17	
Second Year						
Milestones: Earn 60 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester to discuss academic, experiential learning, career, and co-curricular opportunities.						
Fall Semester			Credits	Spring Semester		Credits
CHE 210 & CHE 210L	Organic Chemistry I & Organic Chemistry I Lab	3 1	CHE 211 & CHE 211L	Organic Chemistry II & Organic Chemistry II Lab	3 1	
PHY110 & PHY110L Or PHY121	General Physics I & General Physics Lab OR University Physics I <i>University Curriculum - Natural Science</i>	3 1 OR 4	PHY111& PHY111L or PHY122	General Physics II & General Physics Lab OR University Physics II <i>University Curriculum - Natural Science</i>	3 1 OR 4	
	Advanced BIO or BMS Elective	4		Language course at 102-level <i>Satisfies CAS language requirement</i>	3	
	Language course at 101-level <i>University Curriculum (UC)</i>	3		Fine Arts <i>University Curriculum (UC)</i>	3	
	Total	15		Total	14	
Third Year						
Milestones: Earn 90 credits and a GPA of 2.0 or higher. Meet with your advisor at least once per semester. Participate in study abroad, complete internship or research opportunities.						
Fall Semester			Credits	Spring Semester		Credits
CHE301 & CHE301L	Physical Chemistry I & Physical Chemistry I Lab	3 1	CHE302 & CHE302L	Physical Chemistry II & Physical Chemistry II lab	3 1	
CHE315 & CHE315L	Biochemistry I & Biochemistry I Lab	3 1	CHE316	Biochemistry II	3	
	Advanced BIO or BMS Elective	4		Intercultural Understanding "I" <i>University Curriculum (UC)</i>	3	
	Open Elective	3		Humanities <i>University Curriculum (UC)</i>	3	
				Open Elective	1	
	Total	15		Total	14	
Fourth Year						
Milestones: Earn 120 credits and a GPA of 2.0 or higher. Complete possible minor or double major and prepare for graduation.						
Fall Semester			Credits	Spring Semester		Credits
CHE475	Chemistry Seminar I	1	CHE476	Chemistry Seminar I	1	
CHE490	Chemistry Research I	3	CHE491	Chemistry Research I	3	
CHE215 & CHE215L	Analytical Chemistry & Analytical Chemistry Lab	3 1	CHE420	Chemistry Integrative Capstone <i>satisfies capstone requirement but is not UC</i>	3	
	Advanced CHE Elective	3	CHE305 & CHE305L	Instrumental Analysis & Instrumental Analysis Lab	3 1	
	Social Science, Humanities or Fine Arts <i>University Curriculum (UC)</i>	3		Open Elective	3	
	Total	14		Total	14	

Total number of credits to graduate: 120