

ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2024-2025

Major: Biochemistry (Chemical Emphasis)

Student's Last Name	First Name	Middle Initial
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Advisor	Date Major Declared
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Course Code	Title	Hours	Semester	Grade
Biology Required Courses (12 hours)				
BIO 124/125	Biodiversity	4		
BIO 114/115	Biological Processes	4		
BIO 404	Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4		
Chemistry Required Courses (23-24 hours)				
CHM 114/115	General Chemistry I	4		
CHM 124/125	General Chemistry II	4		
CHM 314/315	Organic Chemistry I	4		
CHM 324/325	Organic Chemistry II	4		
CHM 334/335	Analytical Chemistry I	4		
<i>Choose one course from the following:</i>				
CHM 404	Physical Chemistry for the Life Sciences	3		
CHM 424/425	Physical Chemistry I	4		
Physics Required Courses (8 hours)				
PHY 201	Physics I	4		
PHY 212	Physics II	4		
Mathematics Required Courses (9 hours)				
MAT 124	Calculus I	5		
MAT 214	Calculus II	4		
Biology Electives (Two of the following: 7-8 hours)				
BIO 301	Genetics	4		
BIO 325	Molecular Cell Biology	4		
BIO 330	Virology (BIO 301 recommended)	3		
BIO 420	Physiology (BIO 302 or 322 prereq)	4		
BIO 372	Developmental Biology (BIO 301 prereq)	4		

Course Code	Title	Hours	Semester	Grade
BIO 303	Microbiology (BIO 114/115 & 124/125 prereqs)	4		
Chemistry Electives (One of the following: 3-4 hours)				
CHM 304	Inorganic Chemistry	3		
CHM 344/345	Analytical Chemistry II	4		
CHM 410	Advanced Projects in Chemistry	3		
CHM 434/435	Physical Chemistry	4		
Total Hours For Major		62-65		

If any substitutions or waivers of requirements are allowed, please list below and initial.

Advisor Signature

Department Chair Signature