

B.A. in Chemistry – Major Requirements for Students Entering Fall 2026 and Later

	Chemistry	Chemical Biology
General Chemistry	<ul style="list-style-type: none"> General Chemistry I & II (CHEM 141/142) OR Honors General Chemistry (CHEM 145) General Chemistry Laboratory I & II (CHEM 141L/142L) 	
Organic Chemistry	<ul style="list-style-type: none"> Organic Chemistry I & II (CHEM 251/252) Organic Chemistry Laboratory I & II (CHEM 251L/252L) 	
Mathematics	<ul style="list-style-type: none"> Calculus I & II (MATH 121/122) <i>Also recommended for A-track:</i> <ul style="list-style-type: none"> Vectors & Matrices (MATH 221) Multivariable Calculus (MATH 222) 	
General Science	<ul style="list-style-type: none"> General Physics I & II – <i>recommended</i> (PHYS 113/116) OR Introductory Physics I & II (PHYS 111/112) <i>Lab courses are also recommended</i> 	<ul style="list-style-type: none"> Principles of Biology I & II (BIOL 181/182) <i>Lab courses are also recommended</i>
Inorganic Chemistry	<ul style="list-style-type: none"> Advanced Inorganic Chemistry (CHEM 361) 	
Physical Chemistry	<ul style="list-style-type: none"> Physical Chemistry I & II (CHEM 337/338) <i>Complete as much PHYS and MATH as possible before physical chemistry</i> 	<ul style="list-style-type: none"> Physical Chemistry for Life Sciences (CHEM 381)
Biochemistry	N/A	<ul style="list-style-type: none"> Molecular Biology (MB&B 208) Biochemistry (CHEM 383)
Advanced Labs	<ul style="list-style-type: none"> Integrated Lab I & II (CHEM 375/376) 	<p>Choose two of three courses:</p> <ul style="list-style-type: none"> Integrated Lab I & II (CHEM 375/376) Structural Biology Lab (CHEM 395)
300-Level Chemistry Electives	<p>Choose two 300-level electives</p> <ul style="list-style-type: none"> Must be 1.0 credit or greater and approved by CHEM department May substitute 2.0 <i>accumulated</i> credits of CHEM research for one elective 	<p>Choose one 300-level elective</p>
Chemistry Colloquium	<ul style="list-style-type: none"> Two semesters of Chemistry Colloquium (CHEM 521) 	
Honors Thesis (optional)	<p><i>Required to graduate with Departmental Honors:</i></p> <ul style="list-style-type: none"> Senior Thesis Tutorial (CHEM 409/410) w/ approved Senior Thesis 	