

Chemistry (non-ACS-approved) (B.S.)

2026-2027 catalog

Student Name: _____ ID Number: _____

Major Requirements

Term Completed/Planned	Grade	Credit	Course #	Title
_____	_____	5	CHM115 and 115L:	General Chemistry I
_____	_____	5	CHM116 and 116L:	General Chemistry II
_____	_____	5	CHM251 and 252L:	Organic Chemistry I
_____	_____	5	CHM352 and 352L:	Organic Chemistry II
_____	_____	5	CHM380 and 380L:	Quantitative Analytical Chemistry
_____	_____	5	CHM369 and 369L:	Biochemistry
_____	_____	2-4	SCI490 or other approved keystone (KC)	
_____	_____	0	Complete either the ETS or DUCK standard exam in College Chemistry	
Complete one (1) of CHM362 or CHM468				
_____	_____	4	CHM362	Physical Chemistry: Macroscopic Theory
_____	_____	4	CHM468	Physical Chemistry: Microscopic Theory
Complete four (4) credits from CHM430, CHM440, or CHM450				
_____	_____	2	CHM430	Advanced Thermodynamic and Separation Lab
_____	_____	2	CHM440	Advanced Synthesis Lab
_____	_____	2	CHM450	Advanced Spectroscopy and Computational Chemistry Lab
Complete twelve (12) credits of electives, chosen from:				
_____	_____	4	CHM362	Physical Chemistry: Macroscopic Theory
_____	_____	4	CHM370	Biochemistry II
_____	_____	4	CHM464	Advanced Organic Chemistry
_____	_____	4	CHM468	Physical Chemistry: Microscopic Theory
_____	_____	4	CHM481	Instrumental Analysis
_____	_____	4	CHM482	Inorganic Chemistry and Material Properties
_____	_____	2	CHM494	Topics
_____	_____	4	CHM495	Topics
_____	_____	2	CHM498	Independent Study/Research (can be repeated)
_____	_____	5	PHY317 and 317L:	Biophysics
Complete four (4) semesters of CHM491				
_____	_____	0.5	CHM491	Chemistry Seminar
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_____	_____	0.5	CHM491	Chemistry Seminar
_____	_____	0.5	CHM491	Chemistry Seminar
Required supporting courses				
_____	_____	4	MAT145 and 145L:	Calculus I
_____	_____	4	MAT146 and 146L:	Calculus II
_____	_____	5	PHY121 and 121L:	General Physics I
_____	_____	5	PHY122 and 122L:	General Physics II