

# CHEMISTRY, B.S.

Code	Title	Units
<b>Lower-Division Requirements</b>		
CHE 1052 and CHE 1052L	General Chemistry I (FE) and General Chemistry I Lab (FE)	5
CHE 1053 and CHE 1053L	General Chemistry II and General Chemistry II Lab	4
CHE 2013	Analytical Chemistry	3
CHE 2094 and CHE 2094L	Organic Chemistry I and Organic Chemistry I Lab	4
CHE 2096 and CHE 2096L	Organic Chemistry II and Organic Chemistry II Lab	4
MTH 1064 and MTH 1064L	Calculus I (FE) and Calculus I Lab (FE)	4
MTH 1074 and MTH 1074L	Calculus II and Calculus II Lab	4
PHY 2044 and PHY 2044L	University Physics I (FE) and University Physics I Lab (FE)	4
PHY 2054 and PHY 2054L	University Physics II and University Physics II Lab	4
<b>Upper-Division Requirements</b>		
CHE 3025 and CHE 3025L	Physical Chemistry I and Physical Chemistry I Lab	4
CHE 3026 and CHE 3027	Physical Chemistry II and Physical Chemistry II Laboratory	4
CHE 3051	Organic Structure Elucidation	2
CHE 3070	Instrumental Analysis	2
CHE 4050 and CHE 4050L	Advanced Biochemistry and Advanced Biochemistry Lab	4
CHE 4053 and CHE 4054	Advanced Organic Chemistry and Advanced Organic Chemistry Laboratory	3
CHE 4066	Bioinorganic Chemistry	2
CHE 4067 and CHE 4068	Advanced Inorganic Chemistry Laboratory and Advanced Inorganic Chemistry	4
CHE 4095	Chemistry Seminar	1
Biology and Physics 3000-level or higher, Math 2000-level or higher <sup>1,2</sup>		3-4
<b>Total Units</b>		<b>65-66</b>

<sup>1</sup> Science and/or Math electives beyond those required for the degree must be approved by the department chair.

<sup>2</sup> Recommended: CHE 4099, MTH 2033, MTH 2074

**Notes(s):** Accepting Associate Degree for Transfer (ADT) (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/adt/>)