



General Education Requirements			
Course Name/ #	Credit Hours	Course Name/#	Credit Hours
English		PHYS 1062	3
ENGL 1157	3	Humanities	
ENGL 1158 or 1159	3	Humanities Electives ¹	6
Mathematics		Literature	3
MATH 2114 ^{2,3}	4	Social Sciences	
MATH 2124 ^{2,3}	4	Social Sciences elective ¹	6
Science		Arts	
BIOS 1083	3	Arts elective ¹	3
PHYS 1061	3		
Total			39

Other Requirements			
Course Name/ #	Credit Hours	Course Name/#	Credit Hours
Approved MATH Elective ⁴	3	CHEM 2025	3
CHEM 1000	1	CHEM 2117	3
CHEM 1007	1	CHEM 2217	3
CHEM 1008	1	Computer Programming Elective ⁵	3
CHEM 1017	3	PHYS 1063 ⁶	1
CHEM 1018	3	PHYS 1065 ⁷	1
CHEM 2017	1	General Electives	14
Total			43⁸

Course Requirements for Major			
Course Name/ #	Credit Hours	Course Name/#	Credit Hours
CHEM 2000	1	CHEM 3411	3
CHEM 3018	3	CHEM 4000	0
CHEM 3027	3	Advanced Chemistry Elective ⁹	3
CHEM 3094	4	Advanced Chemistry Elective ⁹	3
CHEM 3218	1		
CHEM 3310	3		
Total			24

Biochemistry Concentration			
Course Name/ #	Credit Hours	Course Name/#	Credit Hours
BIOS 3453, 4153, 4334, 4490 (requires prior approval) or 4713	3	BIOS 1081	1
CHEM 4510	3	BIOS 2114	4
CHEM 4511	3		
Total			14

Total Credit Hours Required	
120	

Additional Requirements

Minimum grade of C in all science courses (BIOS, CHEM, CSCI, EES, MATH, PHYS, PSYC)

BIOS 4114 and research in biochemistry culminating in a comprehensive written report are highly recommended.

First time, full time students must complete UNIV 1001 (1 cr hr)

This degree program is approved by the American Chemical Society (ACS). The department is authorized to certify that graduating students have completed a bachelor's degree meeting the ACS guidelines.

¹Check General Education Courses to confirm what courses fulfill this requirement.

²6 credits of Math satisfy listed in general education.

³Completion of MATH 2107, 2108 and 2 credits of general electives fulfills the requirement for MATH 2114, 2124.

Completion of Math 2111, MATH 2112 and 1 credit of general electives fulfills all the math requirements for the BS degree.

⁴ Must be taken from the following: MATH 2109, 2115 (requires MATH 2109 as prerequisite), 2221, 2314, 3511. Math 1125 and 1126 may be used as general elective hours.

⁵ The programming requirement can be fulfilled by CSCI 1201, 1203, 1205, 1581/1583 or CHEM 2310.

⁶ PHYS 1033 can be used to replace PHYS 1063.

⁷ PHYS 1034 can be used to replace PHYS 1065.

⁸ Includes 2 credits of Math listed in General Education Requirements section.

⁹ Must be taken from the following: CHEM 3096, 3110, 3610, 3710, 4110, 4210, 4310, 4311, 4410, 4510, 4511; BIOS 4103, 4113, 4153, 4334, 4490 (approval required); 4713; 3 cr. hr. must be at the 4000 level.