

Bachelor of Science in Biochemistry

First Year

Semester 1	Hours	Semester 2	Hours
CHEM 1001 Horizons in Chemistry I	1	CHEM 1101 Horizons in Chemistry II	1
CHEM 1111 Chemical Principles I lab	1	CHEM 1121 Chemical Principles II lab	1
CHEM 1113 Chemical Principles I	3	CHEM 1123 Chemical Principles II	3
ENG 1013 Composition and Literature I	3	ENG 1023 Composition and Literature II	3
MATH 2014 Introductory Calculus I	4	MATH 2024 Introductory Calculus II	4
BIOL 1111 Principles of Biology Laboratory I	1	BIOL 1121 Principles of Biology Laboratory	1
BIOL 1113 Principles of Biology I	3	BIOL 1123 Principles of Biology II	3
Total Hours	16	Total Hours	16

Second Year

Semester 3	Hours	Semester 4	Hours
CHEM 2211 Organic Chemistry I lab	1	CHEM 3221 Organic Chemistry II lab	1
CHEM 2213 Organic Chemistry I lecture	3	CHEM 3223 Organic Chemistry II lecture	3
PHYS 2151 General Physics Laboratory I	1	PHYS 2161 General Physics Laboratory II	1
PHYS 2153 General Physics I	3	PHYS 2163 General Physics II	3
HIST 1013 History of the US 1492-1865	3	CSCI 1413 Programming	3
MATH 1013 Quantitative Literacy	3	HIST 1023 History of the US 1865 to present	3
Total Hours	14	Total Hours	14

Third Year

Semester 5	Hours	Semester 6	Hours
CHEM 3632 Protein & Nucleic Acid Chemistry Laboratory	2	CHEM 3643 Metabolic Biochemistry	3
CHEM 3633 Protein & Nucleic Acid Chemistry	3	CHEM 3313 Physical Chemistry for the Life Sciences	3
CHEM 3334 Quantitative Analysis	4	Chemistry/Biology Elective*	4
Visual/Performing Arts Core	3	Women's Studies Core	3
Humanities Core	3	SPCH 1013 Oral Communication	3
Total Hours	15	Total Hours	16

Fourth Year

Semester 7	Hours	Semester 8	Hours
CHEM 4983 Undergraduate Research	3	CHEM 4001 Research Presentations	1
Chemistry/Biology Elective*	3	Chemistry/Biology Elective*	4
GOV 2013 U.S. National Government	3	GOV 2023 Texas Government	3
Soc/Behav Science Core	3	Elective	3
Elective	3	Elective	3
Total Hours	15	Total Hours	14

*The chemistry or biology electives should be upper division courses offered by the Department of Chemistry and Physics or the Department of Biology. For Pre-Med majors, the electives should include BACT 3111/3113 (General Microbiology with lab) and ZOOL 4241/4243 (Mammalian Physiology with lab). For a minor in biology, an additional 3 credit course would be required.