

BACHELOR OF SCIENCE IN BIOLOGY

Web Site: <https://twu.edu/biology/undergraduate-programs/bachelor-of-science-in-biology/>

Recommended Plan of Study

First Year

Fall	TCCN	SCHs
BIOL 1113 Principles of Biology I & BIOL 1111 and Principles of Biology I Laboratory	BIOL 1406 & BIOL 1106	4
CHEM 1113 General Chemistry I & CHEM 1111 and General Chemistry Laboratory I	CHEM 1311 & CHEM 1111	4
MATH 1303 Elementary Analysis I	MATH 1314	3
ENG 1013 Composition I	ENGL 1301	3
UNIV 1231 Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
SCHs		15

Spring	TCCN	SCHs
BIOL 1123 Principles of Biology II & BIOL 1121 and Principles of Biology II Laboratory	BIOL 1407 & BIOL 1107	4
CHEM 1123 General Chemistry II & CHEM 1121 and General Chemistry Laboratory II	CHEM 1312 & CHEM 1112	4
MATH 1313 Elementary Analysis II	MATH 1316	3
ENG 1023 Composition II	ENGL 1302	3
Elective		2
SCHs		16

Second Year

Fall	TCCN	SCHs
BIOL 2113 Plant Biology & BIOL 2111 and Plant Biology Laboratory	BIOL 1411 & BIOL 1111	4
CHEM 2213 Organic Chemistry I & CHEM 2211 and Organic Chemistry Laboratory I	CHEM 2323 & CHEM 2123	4
POLS 2013 U.S. National Government	GOVT 2305	3
Choose one of the following:		3-4
MATH 1703 Elementary Statistics I	MATH 1342	
MATH 2014 Calculus I	MATH 2413	
SCHs		14-15

Spring	TCCN	SCHs
CHEM 3223 Organic Chemistry II & CHEM 3221 and Organic Chemistry Laboratory II		4
BACT 3113 General Microbiology & BACT 3111 and General Microbiology Laboratory		4
POLS 2023 Texas Government	GOVT 2306	3
Creative Arts Core		3
SCHs		14

Third Year

Fall	TCCN	SCHs
BIOL 4813 Molecular and Cellular Biology: Gene Expression & BIOL 4811 and Molecular and Cellular Biology: Gene Expression Laboratory		4
Minor Elective		3
HIST 1013 History of the United States, 1492-1865	HIST 1301	3
Social/Behavioral Science Core		3
Language, Philosophy & Culture Core		3
SCHs		16

Spring	TCCN	SCHs
BIOL 4823 Molecular and Cellular Biology: Genetics and Inheritance & BIOL 4821 and Molecular and Cellular Biology: Genetics and Inheritance Laboratory		4
ZOOL 4243 Medical Physiology & ZOOL 4241 and Medical Physiology Laboratory		4
HIST 1023 History of the United States, 1865 to the Present	HIST 1302	3
Multicultural Women's Studies CAO Core		3
General or Minor Elective		3
SCHs		17

Fourth Year

Fall	TCCN	SCHs
Biology Elective		3
PHYS 1133 Principles of Physics I & PHYS 1131 and Principles of Physics Laboratory I	PHYS 1301 & PHYS 1101	4
BIOL 4681 Biology Seminar		1
Upper-level General or Minor Elective		4
Upper-level General or Minor Elective		3
SCHs		15

Spring	TCCN	SCHs
Biology Elective		4
PHYS 1143 Principles of Physics II & PHYS 1141 and Principles of Physics Laboratory II	PHYS 1302 & PHYS 1102	4
Upper-level General or Minor Elective		3
Elective (select Global Perspectives course)		3
SCHs		14

Total SCHs: 121-122