

BACHELOR OF SCIENCE IN ENVIRONMENTAL CHEMISTRY

Web Site: <https://twu.edu/chemistry-biochemistry/undergraduate-programs/>

Recommended Plan of Study

First Year

Fall	TCCN	SCHs
CHEM 1001 Horizons of Chemistry and Biochemistry I: Career Possibilities		1
CHEM 1213 Principles of Chemistry I & CHEM 1211 and Principles of Chemistry Laboratory I		4
MATH 2014 Calculus I	MATH 2413	4
UNIV 1231 Learning Frameworks: First-Year Seminar	EDUC 1100, EDUC 1200, EDUC 1300	1
Core		3
CAO Course		3
SCHs		16

Spring

	TCCN	SCHs
CHEM 1101 Horizons of Chemistry and Biochemistry II: Current Applications		1
CHEM 1223 Principles of Chemistry II & CHEM 1221 and Principles of Chemistry Laboratory II		4
MATH 2024 Calculus II	MATH 2414	4
Core		3
CAO Course		3
SCHs		15

Second Year

Fall	TCCN	SCHs
BIOL 1113 Principles of Biology I & BIOL 1111 and Principles of Biology I Laboratory	BIOL 1406 & BIOL 1106	4
CHEM 2213 Organic Chemistry I & CHEM 2211 and Organic Chemistry Laboratory I	CHEM 2323 & CHEM 2123	4
PHYS 2153 General Physics I & PHYS 2151 and General Physics Laboratory I	PHYS 2325 & PHYS 2125	4
Core		3
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 3223 Organic Chemistry II & CHEM 3221 and Organic Chemistry Laboratory II		4
PHYS 2163 General Physics II & PHYS 2161 and General Physics Laboratory II	PHYS 2326 & PHYS 2126	4
Core		3
SCHs		15

Third Year

Fall	TCCN	SCHs
CHEM 3633 Biochemistry I & CHEM 3632 and Biochemistry I Laboratory		5
Required Elective		4
Core		3
Core		3
SCHs		15

Spring

	TCCN	SCHs
CHEM 3313 Physical Chemistry for the Life Sciences		3
CHEM 3333 Quantitative Chemical Analysis & CHEM 3331 and Quantitative Chemical Analysis Laboratory		4
CHEM 3713 Environmental Chemistry I & CHEM 3711 and Environmental Chemistry Laboratory I		4
Core		3
Core		3
SCHs		17

Fourth Year

Fall	TCCN	SCHs
Required CHEM Elective		3
Required Elective		3
Core		3
Elective		4
SCHs		13

Spring

	TCCN	SCHs
CHEM 4001 Research Presentations in Chemistry and Biochemistry		1
CHEM 4723 Environmental Chemistry II		3
Core		3
Elective		3
Elective		4
SCHs		14

Total SCHs: 120