

ACCELERATED BACHELOR OF SCIENCE IN CHEMISTRY/ MASTER OF SCIENCE IN CHEMISTRY

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
ENG 1013 Composition I	ENGL 1301	3
UNIV 1231 Learning Frameworks: the First-Year Seminar	EDUC 1100, EDUC 1200, EDUC 1300	1
Wellness/Mathematics CAO Core		2

SCHs

15

Spring

CHEM 1101	Horizons of Chemistry and Biochemistry II: Current Applications		1
CHEM 1223 & CHEM 1221	Principles of Chemistry II and Principles of Chemistry Laboratory II		4
MATH 2024	Calculus II	MATH 2414	4
ENG 1023	Composition II	ENGL 1302	3
Multicultural Women's Studies CAO Core			3

SCHs

15

Second Year

Fall	TCCN	SCHs
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
POLS 2013 U.S. National Government Language, Philosophy, & Culture	GOVT 2305	3

SCHs

14

Spring

CHEM 3223 & CHEM 3221	Organic Chemistry II and Organic Chemistry Laboratory II		4
PHYS 2163 & PHYS 2161	General Physics II and General Physics Laboratory II	PHYS 2326 & PHYS 2126	4
POLS 2023	Texas Government	GOVT 2306	3
CHEM 3333 & CHEM 3331	Quantitative Chemical Analysis and Quantitative Chemical Analysis Laboratory		4

SCHs

15

Third Year

Fall	TCCN	SCHs
CHEM 3413 Physical Chemistry I & CHEM 3411 and Physical Chemistry Laboratory I		4
CHEM 3633 Biochemistry I & CHEM 3632 and Biochemistry I Laboratory		5
Social and Behavioral Core		3
CHEM 4313 Instrumental Analysis & CHEM 4311 and Instrumental Analysis Laboratory (OR: CHEM 4513/4511)		4

SCHs

16

Spring

CHEM 3423	Physical Chemistry II	4
& CHEM 3421	and Physical Chemistry Laboratory II	
CHEM 3643	Biochemistry II	3
CHEM 4983	Undergraduate Research	3
Elective (Global Perspective)		3

SCHs

13

Fourth Year

Fall	TCCN	SCHs
CHEM 4983 Undergraduate Research		3
Creative Arts Core		3
HIST 1013 History of the United States, 1492-1865	HIST 1301	3
CHEM 5523 Advanced Inorganic Chemistry & CHEM 4511 and Inorganic Chemistry Laboratory		4
CHEM 5323 Advanced Analytical Chemistry & CHEM 4311 and Instrumental Analysis Laboratory		4

SCHs

17

Spring

CHEM 4001	Research Presentations in Chemistry and Biochemistry	1
CHEM 3713 & CHEM 3711	Environmental Chemistry I and Environmental Chemistry Laboratory I	4
HIST 1023	History of the United States, 1865 to the Present	HIST 1302 3
Elective		3
Elective		4

SCHs

15

Total SCHs:

120