

BS Chemistry: UTeach (*Major Code: 3226*)

Chemistry Courses (42hrs)



CHEM 1110/1110L	General Chemistry I & lab	4	
CHEM 1120/1120L	General Chemistry II & lab	4	
CHEM 2810	Scientific Communication	2	
CHEM 3010/3010L	Organic Chemistry I & lab (Fall semesters only)	4	
CHEM 3020/3020L	Organic Chemistry II & lab (Spring semesters only)	4	
CHEM 3210/3210L	Quantitative Analysis & lab (offered in the summer)	4	
CHEM 3310	Inorganic Chemistry (Fall semesters only)	3	
CHEM 3710/3710L	Physical Chemistry & lab (Fall semesters only)	4	
CHEM 3820	Chemical Literature (Fall semesters only)	1	
CHEM 4510	Biochemistry (Fall semesters only)	3	
CHEM 4830	Seminar	1	
CHEM 3720/3720L <i>or</i> CHEM 4230/4230L	Physical Chemistry II (Spring semesters only) <i>or</i> Instrumental Analysis	4	
CHEM 4030/4030L <i>or</i> CHEM 4220/4220L <i>or</i> CHEM 4997r	Advanced Organic Chemistry <i>or</i> Methods of Environmental Analysis (Spring semesters only) <i>or</i> Research	4	

Related Courses (33hrs)

PHYS 1030/1030L <i>and</i> PHYS 1040/1040L <i>or</i> PHYS 2300/2300L <i>and</i> PHYS 2310/2310L	General Physics M&H/Lab <i>and</i> General Physics E&O/ Lab <i>or</i> Principles of Physics M&H/Lab <i>and</i> Principles of Physics E&M/Lab	8	
MATH 1710	Precalculus I	3	
MATH 1720	Precalculus II	3	
MATH 1910/1911	Calculus I and Laboratory	4	
MATH 1920/1921	Calculus II and Laboratory	4	
MATH 2100 <i>or</i> MATH 3100	Introduction to Statistics <i>or</i> Applied Statistics	3	
BIOL 1110/1110L	Principles of Biology I & lab	4	
BIOL 1120/1120L	Principles of Biology II & lab	4	

General Education (beyond what is above) (27hrs)

ENGL 1010	Rhetoric & Composition I	3	
ENGL 1020	Rhetoric & Composition II	3	
	Humanities and Fine Arts (<i>3hrs must be in Fine Arts</i>)	6	
	Behavioral and Social Science	6	
	Cultures and Civilizations	9	

UTeaChattanooga Courses (23hrs)

UTSM 1010	Step 1: Inquiry Approaches to Teaching Mathematics and Science	1	
UTSM 1020	Step 2: Inquiry Based Lesson Design in Mathematics and Science	1	
UTSM 2010	Knowing and Learning in Mathematics and Science	3	
UTSM 2020	Classroom Interactions	3	
UTSM 3010	Perspectives on Science and Mathematics	3	
UTSM 3020	Research Methods in Science	3	
UTSM 4010	Project-Based Instruction	3	
UTSM 4020	Apprentice Teaching in Secondary Mathematics and Science	6	

TOTAL 125

** This form should be used for planning purposes only. Please refer to your course catalog for the most recent prerequisites and course descriptions. Information is subject to change. **