**BACHELOR OF SCIENCE IN CHEMISTRY with UTeach Option – 127-128 hours**

**RECOMMENDED COURSE SEQUENCE - EFFECTIVE Fall 2014**

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|  | **Fall** | **Spring** | **Summer** |
| **Freshman Year** | **Fall – 16 hours**CHEM 1311 or 1315 General Chemistry I CHEM 1111 or 1115 Chemistry Lab I MATH 2413 or 2417 Calculus I UNIV 1010/NATS 1101 Freshman SeminarRHET 1302 Rhetoric/Composition II HIST 1301 U.S. History to Civil War NATS 1141 STEP 1(Free Elective) | **Spring – 16 hours**CHEM 1312 or 1316 General Chemistry II CHEM 1112 or 1116 Chemistry Lab II MATH 2414 or 2419 Calculus II PHYS 2325 Mechanics and Heat PHYS 2125 Physics Lab 1 COMM 1311 Survey of Oral & Tech-Based CommNATS 1143 STEP 2 (Free Elective) | **Summer – 3 hours**GOVT 2305 American Government  |
| **Sophomore Year** | **Fall – 14 to 15 hours**CHEM 2323 Organic Chemistry I CHEM 2123 Organic Chemistry Lab MATH 2418 Linear Algebra **OR** STAT 2332 Stats for life sciences PHYS 2326 Electromagnetism and Waves PHYS 2126 Physics Lab II NATS 3341 Knowing & Learning (Upper-Level Free Elective) | **Spring – 15 hours**CHEM 2325 Organic Chemistry II CHEM 2125 Organic Chemistry Lab CHEM 2401 Intro Quantitative MethodsMATH 2415 or 2451 Multivariable Calculus NATS 3343 Classroom Interactions (Upper-Level Free  Elective) | **Summer – 3 hours**GOVT 2306 Texas Government  |
| **Junior Year** | **Fall – 17 hours**BIOL/CHEM 3361 Biochemistry IBIOL 3161 Biochemistry I WorkshopCHEM 3321 Physical Chemistry I CHEM 3472 Instrumental Analysis Social and Behavioral Science (3 SCH)HIST 3327 Perspectives (Upper-Level Free Elective) | **Spring – 17 hours**CHEM 3322 Physical Chemistry II CHEM 3471 Advanced Synthesis Lab CHEM 4473 Physical Measurements LabCHEM 4V91 Research in Chemistry (3 SCH)Language, Philosophy, & Culture (3 SCH) | **Summer – 3 hours**HIST 1302 U.S. History from Civil War  |
| **Senior Year** | **Fall – 16 hours**CHEM 3341 Inorganic ChemistryBIOL/CHEM 3362 Biochemistry IIBIOL 3162 Biochemistry II WorkshopCHEM 4390 Research in ChemistryCreative Arts (3 SCH)NATS 4341 Project-Based Instruction (Upper-Level Free Elective) | **Spring – 7 hours**NATS 4694/4696 Apprentice Teaching (Upper-Level Elective Outside of Major)NATS 4141 Apprentice Teaching Seminar (Upper-Level Free Elective)  |  |