**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 Seminar  RHET 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 Comm  NATS 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 Methods  MATH 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 I  BIOL 3161 Biochemistry I Workshop  CHEM 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 Lab  CHEM 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 Chemistry  BIOL/CHEM 3362 Biochemistry II  BIOL 3162 Biochemistry II Workshop  CHEM 4390 Research in Chemistry  Creative 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) |  |