**BACHELOR OF SCIENCE IN MOLECULAR BIOLOGY with UTeach Option - 133 hours**

**RECOMMENDED COURSE SEQUENCE, OPTION 2 - EFFECTIVE Fall 2014**

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|  | **Fall** | **Spring** | **Summer** |
| **Freshman Year** | **Fall –16 hours**  MATH 2417 or MATH 2413 Calculus I  CHEM 1311 General Chemistry I  CHEM 1111 General Chemistry Lab I  UNIV 1010/NATS 1101 Freshman Seminar  RHET 1302 Composition & Rhetoric HIST 1301 U.S. and Texas History  NATS 1141 STEP 1 (Free Elective) | **Spring –16 hours**  MATH 2419 or 2414 Calculus II  CHEM 1312 General Chemistry II CHEM 1112 General Chemistry Lab II COMM 1311 Survey of Oral & Tech-Based Communication PHYS 2325 Physics I  PHYS 2125 Physics I Lab  NATS 1143 STEP 2 (Free Elective) | **Summer– 4 to 8 hours**  MATH 2415 (only if completing 3-semester  sequence)  MATH 2418 Linear Algebra |
| **Sophomore Year** | **Fall – 15 hours**  BIOL 2311 Modern Biology I  BIOL 2111 Modern Biology Workshop I  CHEM 2323 Organic Chemistry I  CHEM 2123 Organic Chemistry Lab I  PHYS 2326 Physics II  PHYS 2126 Physics II Lab  NATS 3341 Knowing & Learning (Upper- Level Free  Elective) | **Spring – 16 hours**  BIOL 2312 Modern Biology II BIOL 2112 Modern Biology II Workshop  BIOL 2281 Introductory Biology Lab CHEM 2325 Organic Chemistry II CHEM 2125 Organic Chemistry Lab II  Language, Philosophy, & Culture (3 SCH)  NATS 3343 Classroom Interactions (Upper-Level Free  Elective) | **Summer – 6 hours**  GOVT 2305 American Government  Creative Arts (3 SCH) |
| **Junior Year** | **Fall – 16 hours** BIOL 3361 Biochemistry I  BIOL 3161 Biochemistry I Workshop  BIOL 3380 Biochemistry Lab BIOL 3xxx/4xxx Upper-Level Elective  Social & Behavioral Science (3 SCH)  NATS 4390 Research Methods (BIOL Upper-Level  Elective) | **Spring – 15 hours** BIOL 3301 Genetics  BIOL 3101 Genetics Workshop BIOL 3362 Biochemistry II BIOL 3162 Biochemistry II Workshop BIOL 4461 Biophysical Chemistry  HIST 3327 Perspectives on Science and Mathematics  (Upper-Level Free Elective) | **Summer – 6 hours**  HIST 1302 U.S. and Texas History  GOVT 2306 Texas Government |
| **Senior Year** | **Fall – 16 hours**  BIOL 3302 Molecular & Cellular Biology  BIOL 3102 Molecular & Cellular Biology Workshop  BIOL 3xxx/4xxx Upper-Level Elective  BIOL 3xxx/4xxx Upper-Level Elective  BIOL 4380 Cell Biology Lab  NATS 4341 Project-Based Instruction (Upper-Level  Free Elective) | **Spring – 7 hours**  NATS 4694/4696 Apprentice Teaching (Upper-Level Free  Elective  NATS 4141 Apprentice Teaching Seminar (Upper-Level Free  Elective) |  |