**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 & RhetoricHIST 1301 U.S. and Texas HistoryNATS 1141 STEP 1 (Free Elective) | **Spring –16 hours**MATH 2419 or 2414 Calculus II CHEM 1312 General Chemistry IICHEM 1112 General Chemistry Lab IICOMM 1311 Survey of Oral & Tech-Based CommunicationPHYS 2325 Physics IPHYS 2125 Physics I LabNATS 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 IPHYS 2326 Physics IIPHYS 2126 Physics II LabNATS 3341 Knowing & Learning (Upper- Level Free  Elective) | **Spring – 16 hours**BIOL 2312 Modern Biology IIBIOL 2112 Modern Biology II WorkshopBIOL 2281 Introductory Biology LabCHEM 2325 Organic Chemistry IICHEM 2125 Organic Chemistry Lab IILanguage, Philosophy, & Culture (3 SCH)NATS 3343 Classroom Interactions (Upper-Level Free  Elective) | **Summer – 6 hours**GOVT 2305 American GovernmentCreative Arts (3 SCH) |
| **Junior Year** | **Fall – 16 hours**BIOL 3361 Biochemistry I BIOL 3161 Biochemistry I Workshop BIOL 3380 Biochemistry LabBIOL 3xxx/4xxx Upper-Level ElectiveSocial & Behavioral Science (3 SCH)NATS 4390 Research Methods (BIOL Upper-Level  Elective) | **Spring – 15 hours**BIOL 3301 GeneticsBIOL 3101 Genetics WorkshopBIOL 3362 Biochemistry IIBIOL 3162 Biochemistry II WorkshopBIOL 4461 Biophysical ChemistryHIST 3327 Perspectives on Science and Mathematics (Upper-Level Free Elective)  | **Summer – 6 hours**HIST 1302 U.S. and Texas HistoryGOVT 2306 Texas Government |
| **Senior Year** | **Fall – 16 hours**BIOL 3302 Molecular & Cellular BiologyBIOL 3102 Molecular & Cellular Biology WorkshopBIOL 3xxx/4xxx Upper-Level ElectiveBIOL 3xxx/4xxx Upper-Level ElectiveBIOL 4380 Cell Biology LabNATS 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) |  |