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| **BACHELOR OF SCIENCE IN EDUCATION DEGREE PLAN** A screenshot of a video game  Description automatically generated with medium confidence**Life Science 7-12****TEACHER CERTIFICATION** |
| Name:  |
| SID: | Date: |

**This degree plan is a guide to be used for planning in consultation with your academic advisor.**

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| **Course Prefix** | **Course Number** | **Course Title** | **Credit Hours** | **Notes** |
| **Freshman Year First Semester** |
| ENGL | 1301 | College Composition I [ | 3 |  |
| MATH | 1342 | Statistics I | 3 |  |
| HIST | 1301 | United States History I  | 3 |  |
| BIOL | 1306 | General Biology I  | 3 |  |
| BIOL | 1106 | General Biology I Lab  | 1 |  |
| CMST | 1315 | Fundamentals of Speech Communication  | 3 |  |
| **Credit hours** | **16** |  |
| **Freshman Year Second Semester**  |
| MATH | 1343 | Statistics II  | 3 |  |
| ENGL | 1302 | College Composition II  | 3 |  |
| HIST | 1302 | United States History II  | 3 |  |
| BIOL | 1307 | General Biology II  | 3 |  |
| BIOL | 1107 | General Biology II Lab  | 1 |  |
| POLS | 2305 | Introductory American Government  | 3 |  |
| **Credit hours** | **16** |  |
| **Sophomore Year First Semester** |
|  |  | Language, Philosophy, and Culture (Core, 3 hrs.) | 3 |  |
| POLS | 2306 | Introductory Texas Politics  | 3 |  |
| MATH | 2312 | Pre-Calculus | 3 |  |
| CHEM | 1311 | General Chemistry I | 3 |  |
| CHEM | 1111 | General Chemistry I Lab | 1 |  |
| GEOL | 3314 | Oceanography and Meteorology | 3 |  |
| **Credit hours** | **16** |  |
| **Sophomore Year Second Semester** |
|  |  | Creative Arts (Core, 3 hrs.)  | 3 |  |
| EDUT | 1170 | Inquiry Approaches to Teaching | 1 |  |
| CHEM | 1312 | General Chemistry II | 3 |  |
| CHEM | 1112 | General Chemistry II Lab | 1 |  |
| BIOL | 3336 | Ecology | 3 |  |
| BIOL | 3137 | Ecology Lab | 1 |  |
| GEOL | 3310 | Physical Geology and Astronomy | 3 |  |
| **Credit hours** | **15** |  |
| **Junior Year First Semester (Phase I)** |
|  |  | Social and Behavioral Sciences (Core, 3 hrs.) | 3 |  |
| EDUT | 2170 | Inquiry Based Lesson Design | 1 |  |
| EDUT | 3370 | Knowing and Learning in Math and Science | 3 |  |
| PHYS | 1301 | College Physics I | 3 |  |
| BIOL | 3332 | Genetics | 3 |  |
| BIOL | 3133 | Genetics Lab | 1 |  |
| **Credit hours** | **14** |  |
| **Students must be admitted into the School of Education prior to Phase II.** |
| **Junior Year Second Semester (Phase II)** |
| EDUT | 3371 | Classroom Interactions | 3 |  |
| CHEM | 3370 | Perspectives on Science and Mathematics | 3 |  |
| PHYS | 1302 | College Physics II | 3 |  |
| BIOL | 2320 | Intro to Microbiology | 3 |  |
| BIOL | 2120 | Intro to Microbiology Lab | 1 |  |
| BIOL | 4114 | Scientific Communication I | 1 |  |
| **Credit hours** | **14** |  |
| **Students must first pass the Life Science 7-12 content TExES exam.  The TExES content exams must be passed prior to Phase III.** |

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| **Course Prefix** | **Course Number** | **Course Title** | **Credit Hours** | **Notes** |
| **Senior Year First Semester** |
| CHEM | 3360 | Research Methods | 3 |  |
| EDUC | 4378 | Methodology of Teaching ESL | 3 |  |
| EDUT | 4370 | Project-Based Instruction | 3 |  |
| BIOL | 3339 | Plant Biology | 3 |  |
| BIOL | 3139 | Plant Biology | 1 |  |
| BIOL | 3350 | Conservation Biology | 3 |  |
| **Credit hours** | **16** |  |
| **Senior Year Second Semester** |
| EDUC | 4314 | Teaching Science in the Middle and High School | 3 |  |
| EDFB | 4338 | Literacy in Content Areas | 3 |  |
| EDUC | 4640 | Apprentice Teaching / Clinical Teaching (70 days) | 6 |  |
| EDUT | 4170 | Apprentice Teaching Seminar | 1 |  |
| **Credit hours** | **13** |  |
| **Total Credit Hours** | **120** |  |
| Students interested in seeking certification in Special Education or English as a Second Language (ESL) must pass the content exams and meet the department requirements to be eligible for authorization to take the Special Education or ESL TExES exam. Field or clinical experiences are required in conjunction with professional education courses. The School of Education in cooperation with participating school districts assigns students to school placements. **TExES Exams Required for Life Science 7-12 Certificate**  TExES Life Science 7-12 (Content)  TExES 160 Pedagogy & Professional Responsibilities (PPR) EC‐12**ACADEMIC ADVISOR**Ms. Lana Kinney903-566-7022lkinney@uttyler.edu |