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| **BACHELOR OF SCIENCE IN EDUCATION DEGREE PLAN** A screenshot of a video game  Description automatically generated with medium confidence**Science 4-8****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 | 1314 | College Algebra | 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 | 1342 | Statistics I  | 3 |  |
| ENGL | 1302 | College Composition II  | 3 |  |
| HIST | 1302 | United States History II  | 3 |  |
| CHEM | 1311 | Chemistry I  | 3 |  |
| CHEM | 1111 | Chemistry I Lab  | 1 |  |
| POLS | 2305 | Introductory American Government  | 3 |  |
| **Credit hours** | **16** |  |
| **Sophomore Year First Semester** |
|  |  | Language, Philosophy, and Culture Option (Core, 3 hrs.) | 3 |  |
| POLS | 2306 | Introductory Texas Politics  | 3 |  |
| MATH | 1343 | Statistics II | 3 |  |
| GEOL | 3310 | Geology: Physical Geology and Astronomy | 3 |  |
| CHEM | 1312 | General Chemistry II | 3 |  |
| CHEM | 1112 | General Chemistry II Lab | 1 |  |
| **Credit hours** | **16** |  |
| **Sophomore Year Second Semester** |
|  |  | Social and Behavioral Sciences (Core, 3 hrs.) | 3 |  |
|  |  | Creative Arts (Core, 3 hrs.)  | 3 |  |
| BIOL | 1307 | General Biology II | 3 |  |
| BIOL | 1107 | General Biology II Lab | 1 |  |
| GEOL | 3314 | Geology: Oceanography and Meteorology | 1 |  |
| EDUT | 1170 | Inquiry Approaches to Teaching | 3 |  |
| **Credit hours** | **14** |  |
| **Junior Year First Semester (Phase I)** |
| EDUT | 2170 | Inquiry Based Lesson Design | 1 |  |
| EDUT | 3370 | Knowing and Learning in Math and Science | 3 |  |
| BIOL | 3336 | Ecology | 3 |  |
| BIOL | 3137 | Ecology Lab | 1 |  |
| CHEM | 3360 | Research Methods | 3 |  |
| PHYS | 1301 | College Physics I | 3 |  |
| PHYS | 1101 | College Physics I Lab | 1 |  |
| **Credit hours** | **15** |  |
| **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 |  |
| EDUT | 4370 | Project-Based Instruction | 3 |  |
| BIOL | 4305 | Aquatic Biology | 3 |  |
| BIOL | 4105 | Aquatic Biology Lab | 1 |  |
| BIOL | 1340 | Genetics and Society | 3 |  |
| **Credit hours** | **16** |  |
| **Students must first pass the Science 4-8 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** |
|  |  | Science Elective w/ Laboratory (3000 or 4000 level, 4 hrs.) | 4 |  |
| EDUC | 4378 | Methodology of Teaching ESL | 3 |  |
| EDFB | 4338 | Literacy in Content Areas | 3 |  |
| BIOL | 3339 | Plant Biology | 3 |  |
| BIOL | 3139 | Plant Biology lab | 1 |  |
| **Credit hours** | **14** |  |
| **Senior Year Second Semester** |
| EDUC | 4314 | Teaching Science in the Middle and High School | 3 |  |
| EDSP | 3351 | Managing Instruction for Diverse Learners | 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 Science 4-8 Certificate**  TExES Science 4-8 (Content)  TExES 160 Pedagogy & Professional Responsibilities (PPR) EC‐12**ACADEMIC ADVISOR**Ms. Lana Kinney903-566-7022lkinney@uttyler.edu |