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| **BACHELOR OF SCIENCE IN EDUCATION DEGREE PLAN**  A screenshot of a video game  Description automatically generated with medium confidence  **Math 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 |  |
| CMST | 1315 | Fundamentals of Speech Communication | 3 |  |
| **Credit hours** | | | **15** |  |
| **Freshman Year Second Semester** | | | | |
|  |  | Creative Art (Core, 3 hrs.) | 3 |  |
| MATH | 2312 | Pre-Calculus | 3 |  |
| ENGL | 1302 | College Composition II | 3 |  |
| HIST | 1303 | History of Technology and Innovation in U.S. Society Since 1865 [HIST 1303] | 3 |  |
| CHEM | 1305 | Introductory Chemistry | 3 |  |
| **Credit hours** | | | **15** |  |
| **Sophomore Year First Semester** | | | | |
|  |  | Social and Behavioral Science (Core, 3 hrs.) | 3 |  |
|  |  | Language, Philosophy, and Culture Option (Core, 3 hrs.) | 3 |  |
| POLS | 2306 | Introductory Texas Politics | 4 |  |
| MATH | 2413 | Calculus I | 3 |  |
| PHYS | 1301 | College Physics | 3 |  |
| PHYS | 1101 | College Physics Lab | 1 |  |
| **Credit hours** | | | **17** |  |
| **Sophomore Year Second Semester** | | | | |
| POLS | 2305 | Introductory American Government [TCCN: GOVT 2305] | 3 |  |
| MATH | 2414 | Calculus II | 4 |  |
| MATH | 3425 | Foundations of Mathematics | 4 |  |
| MATH | 3365 | Geometric Systems | 3 |  |
| EDUT | 1170 | Inquiry Approaches to Teaching | 1 |  |
| **Credit hours** | | | **15** |  |
| **Junior Year First Semester (Phase I)** | | | | |
| MATH | 3404 | Multivariate Calculus | 3 |  |
| MATH | 3305 | Ordinary Differential Equations | 3 |  |
| MATH | 3315 | Linear Algebra and Matrix Method | 4 |  |
| EDUT | 2170 | Inquiry Based Lesson Design | 1 |  |
| EDUT | 3370 | Knowing and Learning in Math and Science | 3 |  |
| **Credit hours** | | | **14** |  |
| **Students must be admitted into the School of Education prior to Phase II.** | | | | |
| **Junior Year Second Semester (Phase II)** | | | | |
| MATH | 3336 | Abstract Algebra | 3 |  |
| MATH | 3351 | Probability and Statistics for Engineers and Scientists | 3 |  |
| MATH | 2325 | Functions and Modeling | 3 |  |
| EDUT | 3371 | Classroom Interactions | 3 |  |
| CHEM | 3370 | Perspectives on Science and Mathematics | 3 |  |
| **Credit hours** | | | **15** |  |
| **Students must first pass the Math 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** | | | | | | |
| MATH |  | Math Elective approved by advisor | | | 4 |  |
| EDUT | 4302 | Math Problem Solving and Tech. in the Secondary Classroom | | | 3 |  |
| EDUC | 4378 | Methodology of Teaching ESL | | | 3 |  |
| EDUT | 4370 | Project-Based Instruction | | | 3 |  |
| EDFB | 4338 | Literacy in Content Areas | | | 3 |  |
| **Credit hours** | | | | | **16** |  |
| **Senior Year Second Semester** | | | | | | |
| EDUC | 4313 | Teaching Mathematics 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 Math 7-12 Certificate**  TExES Math 7-12 (Content)  TExES 160 Pedagogy & Professional Responsibilities (PPR) EC‐12  **ACADEMIC ADVISOR**  Ms. Lana Kinney    903-566-7022  lkinney@uttyler.edu | | | | | | |