

**BACHELOR OF SCIENCE IN EDUCATION (B.S. Ed.) SECONDARY EDUCATION 9-12
CHEMISTRY CONCENTRATION**

NAME: _____ STUDENT NUMBER: _____

***Prerequisite Required

GENERAL EDUCATION REQUIREMENTS (42 credit hours)

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| FIRST YEAR WRITING (3) <i>ENG 1100</i> _____ | COMMUNICATION PROFICIENCY (3) <i>EDUC 2222</i> <i>OR COMM 1040</i> _____ | MATHEMATICS PROFICIENCY (3) <i>MATH 1030</i> _____ | INFORMATION LITERACY (3) <i>ED TECH 2230</i> _____ |
| US HISTORY & GOVT(3) <i>POL SCI 1100 OR</i> <i>HISTORY 1001</i> _____ | HUMANITIES OR FINE ARTS (9) _____ _____ _____ | SOCIAL SCIENCES (9) _____ _____ _____ <i>Anthropology/Cultural Diversity</i> | MATH & SCIENCES (9) _____ BIOL 1012 _____ MATH 1035 _____ |

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| JUNIOR LEVEL WRITING - UNIVERSITY REQUIREMENT (3): ENGL 3100 <u>or</u> ENGL 3160 _____ |
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| <u>PREPARING FOR TEACHER EDUCATION PROGRAM COURSEWORK: NINE HOURS REQUIRED</u> | | |
|---|-------------------|------------------------------|
| <u>COURSES</u> | <u>HRS</u> | <u>SEMESTER/GRADE</u> |
| TCH ED 1000: Building Community, Culture, & Learning in Education (FTS) | 1 | _____ |
| TCH ED 1001: Early Clinical Experience: Community Agency | 1 | _____ |
| TCH ED 2000: Becoming a Professional Educator | 1 | _____ |
| TCH ED 2001: Early Clinical Experience: Schools | 1 | _____ |
| TCH ED 2209: Foundations of Teaching in American Schools | 2 | _____ |
| ED PSY 2212: Child and Adolescent Development | 3 | _____ |

| <u>ADMISSION TO TEACHER EDUCATION PROGRAM (TEP)</u> | |
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| Cumulative GPA 2.75 Clear TB Screening and Background Check Preparing for Teacher Education Program TEP Coursework | <input type="checkbox"/> <input type="checkbox"/> |

| | |
|---|--------------------------|
| Pass MOGEA or ACT Composite Score of 20 or Higher | <input type="checkbox"/> |
| | <input type="checkbox"/> |

| <u>TEACHER EDUCATION PROGRAM</u> | | |
|---|-------------------|------------------------------|
| <u>COURSES</u> | <u>HRS</u> | <u>SEMESTER/GRADE</u> |
| TCH ED 3001: Mid-Level Clinical Experience - Diverse Learners | 1 | ____ _ |
| ED PSY 3312: Psychology of Learning, Instruction, & Assessment*** | 3 | ____ _ |
| SPEC ED 3318: Inclusive Classroom | 3 | ____ _ |
| TCH ED 3310: Introduction to Methods of Teaching | 3 | ____ _ |
| TCH ED 4391: Literacy for Adolescent Learners in Content Areas | 3 | ____ _ |
| SEC ED 4880: Writing for Teachers | 3 | ____ _ |
| <u>CONTENT AREA METHODS COURSE</u> | | |
| SEC ED 4985: Curriculum and Methods of Teaching Life Sciences | 3 | ____ _ |
| <u>PRACTICUM/FIELD EXPERIENCE</u> | | |
| SEC ED 4989: Practicum I: Site-Based Experience | 3 | ____ _ |
| SEC ED 4990: Practicum II: Site-Based Experience | 12 | ____ _ |
| <u>CHEMISTRY CONTENT COURSEWORK - 40-42 CREDIT HOURS</u> | | |
| Some courses have prerequisite requirements unrelated to the initial degree requirements. Students completing the B.S. Ed. in Secondary Education with an emphasis in Chemistry are required to take any and all prerequisite courses <u>first</u> before enrolling in required content area coursework. | | |
| BIOL 1202: Environmental Biology*** or BIOL 1821: Introductory Biology I*** | 3-5 | ____ _ |
| BIOL 1831: Introductory Biology II: From Molecules to Organisms with Lab*** | 5 | ____ _ |
| GEOL 1001: General Geology | 3 | ____ _ |
| PHIL 3380: Philosophy of Science | 3 | ____ _ |
| PHYSICS 1011: Basic Physics I with Lab*** or PHYSICS 2111: Mechanics and Heat*** | 4 | ____ _ |
| CHEM 1111: Introductory Chemistry I with Lab*** | 5 | ____ _ |
| CHEM 1121: Introductory Chemistry II with Lab*** | 5 | ____ _ |
| CHEM 2612: Organic Chemistry I*** | 3 | ____ _ |
| CHEM 2223: Quantitative Analysis*** or CHEM 2622: Organic Chemistry II*** | 3 | ____ _ |
| CHEM 3302: Physical Chemistry for Life Sciences or CHEM 3312: Physical Chemistry I*** | 3 | ____ _ |

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|---|----------------|-------|
| CHEM 4712: Biochemistry*** | 3 | _____ |
| <u>TOTAL CREDIT HOURS REQUIRED FOR DEGREE COMPLETION</u> | 128-130 | |

For Degree Completion: Students must have a 2.75 Cumulative GPA, 3.0 Professional GPA, pass MEES, and have all required coursework completed to receive the B.S. Ed. degree.

For Teacher Certification: Students must pass the relevant Content Assessment (MOCA) in order to be recommended and awarded by DESE

I acknowledge that my advisor and I completely and thoroughly reviewed the information contained herein and I understand all of the degree requirements specified for this degree program. I also acknowledge requirements by the Department of Elementary and Secondary Education (DESE) and understand these requirements can change at any time.

STUDENT'S SIGNATURE: _____ DATE: _____

ADVISOR'S SIGNATURE: _____ DATE: _____