

Degree: Bachelor of Science in Education College: Education, Arts, and Humanities Major: Secondary Education Major Code: SCED Concentration: Chemistry (SCCH)

Minor: N/A

Minor Code: N/A

# **General Education**

# Foundations: (13 Credits)

**Oral Communication (3 Credits)** 

- COMJ 1010 Public Speaking
- **Quantitative Reasoning (3 Credits)**
- MATH 2410 Calculus I

## **Technological Literacy (3 Credits)**

ED 2333 Technology in Teaching and Learning

- Written Communication (3 Credits)
- ENGL 1200 College Composition

## Discoveries: (Credits 29)

At least two (2) disciplines must be represented within each of the three (3) categories.

#### Art/Humanities (9 Credits)

- ENGL 1300 Intro to Literature
  - ~Or~ ENGL 2310 American Literature Survey I

# Natural Sciences & Technology (11 Credits)

□ CHEM 1108 General Chemistry I

- □ PHYS 1500 & PHYS 1510 General Physics I
- □ STAT 2020 Elements of Statistics

#### Social Sciences (9 Credits)

□ ED 1750 Educational Psychology

□ ED 2500 Multicultural Education

# Elective or Wellness & Personal Health: (3 Credits)

□ EXSC 2365 Health Emergencies

#### **Competencies:**

## **Applied Methodologies**

ED 4100 Educational Assessments

#### **Ethical Reasoning**

□ ED 2200 School Law and Ethics

#### Information Literacy

□ ED 2200 School Law and Ethics

#### **Intercultural Fluency**

□ ED 2500 Multicultural Education

#### **Keystone Experience**

ED 4240 Student Teaching

# **Quantitative Applications**

ED 4100 Educational Assessments

#### Writing Intensive - Two (2) courses are required

ED 4240 or ED 4250 Student Teaching

# **Program Requirements**

#### Required Major Courses: (45 Credits)

- Minimum Program Requirements:
  - \* 3.00 cumulative GPA
    \* C grade for any course with education prefix ECEE, ED, SPED; plus COMJ 1010, ENGL 1200, ENGL 2310, ENGL 2320 or 2330, MATH 1110, MATH 2120, SPED 1050, SPED 2000, SPED 2100.
  - □ ED 1100 Introduction to Middle and Secondary Education
  - □ ED 2200 School Law and Ethics
  - □ ED 3100 Strategies
  - □ ED 3104 Teaching of Science
  - □ ED 3300 Learning Environments
  - □ ED 3610 Content Area Literacy
  - □ ED 3700 English Language Learners Foundations
  - □ ED 4100 Educational Assessments
  - ED 4240 Student Teaching
  - □ ED 4250 Student Teaching
  - □ SPED 1050 Foundations of Special Education
  - □ SPED 2000 Assessment and PBS
  - □ SPED 2100 Teaching Students with Disabilities

#### **Required Concentration Courses: (32 Credits)**

- CHEM 1128 General Chemistry II
- CHEM 2010 Chemistry Career & Professional Development I
- CHEM 2200 Organic Chemistry I
- □ CHEM 2205 Organic Chemistry I Lab
- □ CHEM 2250 Organic Chemistry II
- □ CHEM 2255 Organic Chemistry II Lab
- □ CHEM 3010 Chemistry Career & Professional Development II
- CHEM 3300 Inorganic Chemistry I
- CHEM 3305 Inorganic Chemistry I Lab
   ~Or~ CHEM 3315 Intermediate Chemistry I Lab
- CHEM 3400 Quantitative Chemistry Analysis
- CHEM 3405 Quantitative Chemistry Analysis Lab
   ~Or~ CHEM 3415 Intermediate Chemistry II Lab
- CHEM 4600 Biochemistry I
- CHEM 4605 Biochemistry I Lab
- PHYS 1600 General Physics II
- □ PHYS 1610 General Physics II Lab

# **Suggested Four Year Course Sequence**

Suggested Four fear Course Sequence	
Year 1	Year 2
<u>Fall Semester</u>	<u>Fall Semester</u>
<u>Spring Semester</u>	<u>Spring Semester</u>
Year 3	Year 4
Fall Semester	Fall Semester

**Spring Semester** 

Spring Semester

