**Secondary Education – Chemistry Teacher Emphasis**  
Associate in Science

**Degree Program Mentor**  
For additional information regarding this degree, contact the Degree Program Mentor.

![Melissa Bryant](image)

**Assistant Professor**  
405-382-9742  
m.bryant@sscok.edu  
Division Office: 405-382-9252

**Program Objective**  
The objective of the Secondary Education Associate in Science – Chemistry Teacher Certification Emphasis is to prepare students for transfer to a bachelor’s degree granting institution to major in chemistry with a concentration in teacher certification.

**Requirements for Graduation**  
1. Sixty-four designated semester credit hours.  
2. Grade of “C” or better required in all Major Field Requirement courses.  
3. Grade Point Average of 2.0 or better.  
4. Fifteen semester credit hours in attendance at SSC.  
5. Completion of Graduation Exit Survey.

**Transfer Note**: A statewide transfer agreement guarantees students transferring to an Oklahoma public four-year university with an associate in arts or associate in science degree will satisfy all freshman and sophomore general education requirements at the four-year university.

**Admission to ECU Teacher Education**:  
Students who are considering teacher education as a career must have a Graduate Retention GPA of 2.5 to enroll in EDUC 2012 Foundations of Education and EDUC 2211 Field Experience I. Students must also complete an application for admission to the Teacher Education Program. The application process will be completed while enrolled in EDUC 2012. For more information on the ECU Teacher Education Program contact Phyllis Isaacs, Chair of the Education Department at (580) 559-5240.

**Teacher Certification Examinations**:  
The Oklahoma General Education Test (OGET) is the first of a series of certification exams required by the teacher certification process in the state of Oklahoma. The OGET is typically taken during a teacher education candidate’s sophomore year. For more information on OGET and other required certification examinations visit [www.ceoe.nesinc.com](http://www.ceoe.nesinc.com).

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**General Education Requirements**  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOV 1113</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1483</td>
<td>American History to 1877</td>
<td></td>
</tr>
<tr>
<td>HIST 1493</td>
<td>American History since 1877</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1213</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 1143</td>
<td>Speech</td>
<td>3</td>
</tr>
<tr>
<td>HUM 1113</td>
<td>Any class designated as Humanities</td>
<td>6</td>
</tr>
<tr>
<td>MATH 1523</td>
<td>Pre-Calculus (MATH 2215 recommended)</td>
<td>3</td>
</tr>
<tr>
<td>SCIENCE</td>
<td><a href="#">met by program</a></td>
<td></td>
</tr>
<tr>
<td>CAP 1103</td>
<td>Introduction to Microsoft Office</td>
<td>3</td>
</tr>
<tr>
<td>HPER 1012</td>
<td>Wellness and Human Development</td>
<td>2</td>
</tr>
<tr>
<td>STSC 1002</td>
<td>Learning Strategies</td>
<td>2</td>
</tr>
<tr>
<td>PSY 1113</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Field Requirements**  
Select from the following and must include at least one life science and one physical science:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1114</td>
<td>General Biology or</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1214</td>
<td>Principles of Biology (recommended by ECU)</td>
<td></td>
</tr>
<tr>
<td>BIOL 1224</td>
<td>General Botany</td>
<td></td>
</tr>
<tr>
<td>BIOL 1234</td>
<td>General Zoology</td>
<td></td>
</tr>
<tr>
<td>BIOL 2114</td>
<td>Human Anatomy</td>
<td></td>
</tr>
<tr>
<td>CHEM 1315</td>
<td>General Chemistry I (recommended by ECU)</td>
<td></td>
</tr>
<tr>
<td>CHEM 1515</td>
<td>General Chemistry II (recommended by ECU)</td>
<td></td>
</tr>
<tr>
<td>PHYS 1214</td>
<td>Earth Science</td>
<td></td>
</tr>
<tr>
<td>PHYS 1314</td>
<td>Astronomy</td>
<td></td>
</tr>
<tr>
<td>PHYS 2114</td>
<td>General Physics I (recommended by ECU)</td>
<td></td>
</tr>
<tr>
<td>PHYS 2224</td>
<td>General Physics II (recommended by ECU)</td>
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**Major Field Electives and Support**  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2023</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Field Requirements at East Central University**  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 2012</td>
<td>Foundations of Education</td>
<td>5</td>
</tr>
<tr>
<td>EDUC 2211</td>
<td>Field Experience</td>
<td></td>
</tr>
<tr>
<td>EDUC 2402</td>
<td>Survey of Exceptional Children</td>
<td></td>
</tr>
</tbody>
</table>

**MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE**  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>64</td>
</tr>
</tbody>
</table>

**Suggested Sequence of Major Field Courses**

- **First Semester**
  - BIOL 1214
  - CHEM 1315 (FA only)

- **Second Semester**
  - BIOL 1234
  - CHEM 1515 (SP only)

- **Third Semester**
  - PHYS 2114 (FA only)
  - PSY 2023

- **Fourth Semester**
  - EDUC 2012/2211 (SP only)
  - EDUC 2631 (SP only)
  - EDUC 2402 (SP only)
  - PHYS 2224 (SP only)
## GENERAL EDUCATION REQUIREMENTS

### 6 hrs.
- Social Sciences
  - GOV 1113 American National Government
  - HIST 1483 American History Survey to 1877 or HIST 1493 American History Survey since 1877

### 9 hrs.
- Language Arts
  - ENG 1113 Composition I
  - ENG 1213 Composition II
  - SPCH 1143 Speech

### 6 hrs.
- Humanities
  - Select two of the following:
    - HUM ______
    - any course with HUM prefix (list above) or
    - ART 1153 Art History I
    - ART 1163 Art History II
    - ART 1203 Art Appreciation
    - ART 2323 Global Studies in Art
    - ENG 2043 Global Studies in Language Arts and Humanities
    - ENG 2413 Introduction to Literature
    - ENG 2433 World Literature I
    - ENG 2543 British Literature I
    - ENG 2653 British Literature II
    - ENG 2753 American Literature I
    - ENG 2883 American Literature II
    - HIST 2223 Early Western Civilization to 1660
    - HIST 2233 Modern Western Civilization since 1660
    - JOUR 1123 Introduction to Mass Communication
    - MUS 1213 Music Appreciation I
    - MUS 1223 Music Appreciation II
    - SPCH 1523 Introduction to Theatre
    - PHIL 1113 Introduction to Philosophy
    - SPAN 2103 Global Studies in Spanish

### 3 hrs.
- Mathematics
  - MATH 1523 Pre-Calculus for Bus-Biol or
  - MATH 1613 Plane Trigonometry or
  - MATH 2215 Calculus and Analytic Geometry I

- Life Science
  - met by program

- Physical Science
  - met by program

### 3 hrs.
- Computer Applications
  - CAP 1103 Introduction to Microsoft Office

### 2 hrs.
- Health, Physical Education and Recreation
  - HPER 1012 Wellness and Human Development

### 2 hrs.
- Student Success
  - Required during first semester
  - STSC 1002 Learning Strategies

### 3 hrs.
- Psychology, Soc. Science, World Language, or Fine Arts Elective
  - PSY 1113 General Psychology

### TOTAL REQUIRED GENERAL EDUCATION HOURS
- 22 hrs.

## MAJOR FIELD REQUIREMENTS

### Select from the following:
- BIOL 1114 General Biology or
- BIOL 1214 Principles of Biology (recommended by ECU)
- BIOL 1224 General Botany
- BIOL 1234 General Zoology
- BIOL 2114 Human Anatomy
- CHEM 1315 General Chemistry I (recommended by ECU)
- CHEM 1515 General Chemistry II (recommended by ECU)
- PHYS 1214 Earth Science
- PHYS 1314 Astronomy
- PHYS 2114 General Physics I (recommended by ECU)
- PHYS 2224 General Physics II (recommended by ECU)

### 3 hrs.

## MAJOR FIELD ELECTIVES AND SUPPORT

- PSY 2023 Developmental Psychology

### 5 hrs.

## MAJOR FIELD REQUIREMENTS AT EAST CENTRAL UNIVERSITY

- EDUC 2012 Foundations of Education
- EDUC 2211 Field Experience
- EDUC 2402 Survey of Exceptional Children

### 30 hrs.

## TOTAL REQUIRED MAJOR FIELD HOURS
- 64 hrs.

## MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE

- 34 hrs.

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A statewide transfer agreement guarantees students transferring to an Oklahoma public four-year university with an associate in arts or associate in science degree will satisfy all freshman and sophomore general education requirements at the four-year university.

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revised 2/2018