

# Secondary Education – Math Teacher Emphasis

## Associate in Science

### Degree Program Mentor

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



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### Program Objective

The objective of the Secondary Education Associate in Science – Math Teacher Certification Emphasis is to prepare students for transfer to a bachelor’s degree granting institution to major in math 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 Graduate 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).



<b>General Education Requirements .....</b>	<b>39</b>
GOV 1113 American National Government .....	3
HIST 1483 American History to 1877 <b>or</b>	
HIST 1493 American History since 1877 .....	3
ENG 1113 Composition I .....	3
ENG 1213 Composition II .....	3
SPCH 1143 Speech .....	3
HUM Any class designated as Humanities .....	6
SCIENCE One Life Science with lab <b>and</b>	
One Physical Science with lab .....	8
MATH <i>met by program</i>	
CAP 1103 Introduction to Microsoft Office .....	3
HPER 1012 Wellness and Human Development .....	2
STSC 1002 Learning Strategies .....	2
PSY 1113 General Psychology .....	3

### Major Field Requirements .....

*Select from the following:*

MATH 1503	Elementary Statistics
MATH 1513	Pre-Calculus for Eng-Phys-CS
MATH 1613	Plane Trigonometry
MATH 2215	Calculus and Analytic Geometry I
MATH 2424	Calculus and Analytic Geometry II
MATH 2434	Calculus and Analytic Geometry III

### Major Field Electives and Support .....

PSY 2023	Developmental Psychology
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### Major Field Requirements at East Central University .....

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

### MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE **66**

### Suggested Sequence of Major Field Courses

<u>First Semester</u>	<u>Second Semester</u>	<u>Third Semester</u>	<u>Fourth Semester</u>
MATH 1513	MATH 2215	EDUC 2402	EDUC 2012/2211
MATH 1613	PSY 2023	MATH 2424	MATH 2434
		PHYS 2114	



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### 2021-22 Degree Requirements Checklist

6 hrs.	<b>GENERAL EDUCATION REQUIREMENTS</b> <b>Social Sciences</b> <input type="checkbox"/> GOV 1113 American National Government <input type="checkbox"/> HIST 1483 American History Survey to 1877 <b>or</b> <input type="checkbox"/> HIST 1493 American History Survey since 1877	2 hrs.	Health, Physical Education and Recreation <input type="checkbox"/> HPER 1012 Wellness and Human Development
9 hrs.	<b>Language Arts</b> <input type="checkbox"/> ENG 1113 Composition I <input type="checkbox"/> ENG 1213 Composition II <input type="checkbox"/> SPCH 1143 Speech	2 hrs.	<b>Student Success</b> Required during first semester <input type="checkbox"/> STSC 1002 Learning Strategies
6 hrs.	<b>Humanities</b> <i>Select two of the following:</i> <input type="checkbox"/> HUM _____ <input type="checkbox"/> HUM _____ any course with HUM prefix (list above) <b>or</b> <input type="checkbox"/> ART 1153 Art History I <input type="checkbox"/> ART 1163 Art History II <input type="checkbox"/> ART 1203 Art Appreciation <input type="checkbox"/> ART 2323 Global Studies in Art* <input type="checkbox"/> ENG 2043 Global Studies in Language Arts and Humanities <input type="checkbox"/> ENG 2413 Introduction to Literature <input type="checkbox"/> ENG 2433 World Literature I <input type="checkbox"/> ENG 2543 British Literature I <input type="checkbox"/> ENG 2653 British Literature II <input type="checkbox"/> ENG 2753 American Literature I <input type="checkbox"/> ENG 2883 American Literature II <input type="checkbox"/> HIST 2223 Early Western Civilization to 1660 <input type="checkbox"/> HIST 2233 Modern Western Civilization since 1660 <input type="checkbox"/> JOUR 1123 Introduction to Mass Communication <input type="checkbox"/> MUS 1213 Music Appreciation I <input type="checkbox"/> MUS 1223 Music Appreciation II <input type="checkbox"/> PHIL 1113 Introduction to Philosophy <input type="checkbox"/> SOC 2433 Global Studies in Culture and Diversity <input type="checkbox"/> SPAN 2103 Global Studies in Spanish <input type="checkbox"/> SPCH 1523 Introduction to Theatre	3 hrs.	Psychology, Soc. Science, World Language, or Fine Arts Elective <input type="checkbox"/> PSY 1113 General Psychology
		39 hrs.	<b>TOTAL REQUIRED GENERAL EDUCATION HOURS</b>
		19 hrs.	<b>MAJOR FIELD REQUIREMENTS</b> <i>Select from the following:</i> <input type="checkbox"/> MATH 1503 Elementary Statistics <input type="checkbox"/> MATH 1513 Pre-Calculus for Eng-Phys-CS <input type="checkbox"/> MATH 1613 Plane Trigonometry <input type="checkbox"/> MATH 2215 Calculus and Analytical Geometry I <input type="checkbox"/> MATH 2424 Calculus and Analytical Geometry II <input type="checkbox"/> MATH 2434 Calculus and Analytical Geometry III
		3 hrs.	<b>MAJOR FIELD ELECTIVES AND SUPPORT</b> <input type="checkbox"/> PSY 2023 Developmental Psychology
		5 hrs.	<b>MAJOR FIELD REQUIREMENTS AT EAST CENTRAL UNIVERSITY</b>  <input type="checkbox"/> EDUC 2012 Foundations of Education <input type="checkbox"/> EDUC 2211 Field Experience <input type="checkbox"/> EDUC 2402 Survey of Exceptional Children
4 hrs.	<b>Mathematics</b> <input checked="" type="checkbox"/> met by program	27 hrs.	<b>TOTAL REQUIRED MAJOR FIELD HOURS</b>
4 hrs.	<b>Life Science</b> <i>Select one of the following:</i> <input type="checkbox"/> BIOL 1114 General Biology <input type="checkbox"/> BIOL 1214 Principles of Biology <input type="checkbox"/> BIOL 1224 General Botany <input type="checkbox"/> BIOL 1234 General Zoology	66 hrs.	<b>MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE</b>
4 hrs.	<b>Physical Science</b> <i>Select one of the following:</i> <input type="checkbox"/> CHEM 1114 Introduction to Chemistry <input type="checkbox"/> CHEM 1315 General Chemistry I <input type="checkbox"/> ENVS 1114 Introduction to Environmental Science <input type="checkbox"/> PHYS 1114 General Physical Science <input type="checkbox"/> PHYS 1214 Earth Science <input type="checkbox"/> PHYS 1314 Astronomy <input type="checkbox"/> PHYS 1414 Physical Geology <input type="checkbox"/> PHYS 2114 General Physics I <input type="checkbox"/> PHYS 2224 General Physics II		A statewide transfer agreement guarantees students transferring to an Oklahoma public four-year university <b>with an associate in arts or associate in science degree</b> will satisfy all freshman and sophomore general education requirements at the four-year university.
3 hrs.	<b>Computer Applications</b> <input type="checkbox"/> CAP 1103 Introduction to Microsoft Office		revised 11/2018



## Semester by Semester Suggested Degree Plan\*

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COURSE NUMBER- COURSE DESCRIPTION	HOURS
<b>FRESHMAN YEAR, 1ST SEMESTER, FALL</b>	
<input type="checkbox"/> STSC 1002 LEARNING STRATEGIES	2
<input type="checkbox"/> HPER 1012 WELLNESS AND HUMAN DEVELOPMENT	2
<input type="checkbox"/> ENG 1113 COMPOSITION I	3
<input type="checkbox"/> MATH 1513 PRE-CALC FOR ENG-PHYS-CS	3
<input type="checkbox"/> MATH 1613 TRIGONOMETRY	3
<input type="checkbox"/> PSY 1113 GENERAL PSYCHOLOGY	3
<b>TOTAL:</b>	<b>16</b>
<b>FRESHMAN YEAR, 2ND SEMESTER, SPRING</b>	
<input type="checkbox"/> ENG 1213 COMPOSITION II	3
<input type="checkbox"/> CAP 1103 INTRODUCTION TO MICROSOFT OFFICE	3
<input type="checkbox"/> MAJOR FIELD REQUIREMENT	5
<input type="checkbox"/> LIFE SCIENCE**	4
<input type="checkbox"/> PSY 2023 DEVELOPMENTAL PSYCHOLOGY	3
<b>TOTAL:</b>	<b>18</b>
<b>SOPHOMORE YEAR, 1ST SEMESTER, FALL</b>	
<input type="checkbox"/> HUM	3
<input type="checkbox"/> PHYS 2114 GENERAL PHYSICS I	4
<input type="checkbox"/> MAJOR FIELD REQUIREMENT	4
<input type="checkbox"/> HIST 1483/1493 AMERICAN HISTORY SURVEY TO 1877 OR SINCE 1877	3
<input type="checkbox"/> ECU MAJOR FIELD REQUIREMENT –EDUC 2402 SURVEY OF EXCEPTIONAL CHILDREN	2
<b>TOTAL:</b>	<b>16</b>
<b>SOPHOMORE YEAR, 1ST SEMESTER, SPRING</b>	
<input type="checkbox"/> HUM	3
<input type="checkbox"/> GOV 1113 AMERICAN NATIONAL GOVERNMENT	3
<input type="checkbox"/> MAJOR FIELD REQUIREMENT	4
<input type="checkbox"/> ECU MAJOR FIELD REQUIREMENT –EDUC 2012 FOUNDATIONS OF EXCELLENCE	2
<input type="checkbox"/> ECU MAJOR FIELD REQUIREMENT –EDUC 2111 FIELD EXPERIENCE	1
<input type="checkbox"/> SPCH 1143 SPEECH	3
<b>TOTAL:</b>	<b>16</b>
<b>TOTAL HOURS:</b>	<b>66</b>

\*THIS IS A GUIDE TO HELP STUDENTS WITH PLANNING. A STUDY OF THE COURSE SCHEDULE AND A VISIT WITH YOUR ACADEMIC ADVISOR IS CRUCIAL FOR SUCCESS IN COMPLETING YOUR DEGREE.

\*\* LIFE SCIENCE = AGRI 1104, 1204, BIOL 1114, 1214, 1224, OR 1234