

# Secondary Education – Physics Teacher Emphasis

## Associate in Science

**Program Objective**

The objective of the Secondary Education Associate in Science – Physics Teacher Certification Concentration is to prepare students for transfer to a bachelor degree granting institution to major in physics 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.

**Please Note:** Consult with advisor for specific transfer requirements. General Education and Major Field requirements vary between universities.

**For Information Contact:**

Business and Education Division  
(405) 382-9252

**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** the associate 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).



**General Education Requirements ..... 33**

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
MATH 1513	Pre-Calculus.....	3
SCIENCE	<i>met by program</i>	
CAP 1103	Introduction to Microsoft Office .....	3
HPER 1012	Wellness and Human Development .....	2
SOC 1101	Freshman Seminar (or STSC 1002) .....	1
PSY 1113	General Psychology .....	3

**Major Field Requirements ..... 23**

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

BIOL 1114	General Biology <b>or</b>	
BIOL 1214	Principles of Biology	(recommended by ECU)
CHEM 1315	General Chemistry I	
CHEM 1515	General Chemistry II	
MATH 1613	Plane Trigonometry	
MATH 2215	Calculus and Analytic Geometry I	(recommended by ECU)
MATH 2424	Calculus and Analytic Geometry II	(recommended by ECU)
PHYS 1214	Earth Science	
PHYS 1314	Astronomy	
PHYS 2114	General Physics I	(recommended by ECU)
PHYS 2211	Calculus Based Physics I	(recommended by ECU)
PHYS 2224	General Physics II	(recommended by ECU)
PHYS 2231	Calculus Based Physics II	(recommended by ECU)

**Major Field Electives and Support..... 3**

PSY 2023	Developmental Psychology
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**Major Field Requirements at East Central University ..... 5**

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

**MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE 64**

**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	MATH 2424	MATH 2434
MATH 1613	BIOL 1214	PHYS 2114	PHYS 2224
	PSY 2023	PHYS 2211	PHYS 2231
		EDUC 2402	EDUC 2012/2211