

# Secondary Education – Physics 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 – Physics Teacher Certification Emphasis is to prepare students for transfer to a bachelor’s degree granting institution to major in physics with a concentration in teacher certification.

**Requirements for Graduation**

1. Sixty-two 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.

**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 ..... 34**

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 for Eng-Phys-CS <b>or</b>
MATH 1613	Plane Trigonometry <b>or</b>
MATH 2215	Calculus and Analytic Geometry I (SO) ..... 3
SCIENCE	<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 ..... 25**

*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)
CHEM 1315	General Chemistry I	
CHEM 1515	General Chemistry II (SO)	
MATH 1613	Plane Trigonometry	
MATH 2215	Calculus and Analytic Geometry I	(recommended) (SO)
MATH 2424	Calculus and Analytic Geometry II	(recommended) (FO)
PHYS 1214	Earth Science	
PHYS 1314	Astronomy	
PHYS 2114	General Physics I	(recommended) (FO)
PHYS 2211	Calculus Based Physics I	(recommended) (FO)
PHYS 2224	General Physics II	(recommended) (SO)
PHYS 2231	Calculus Based Physics II	(recommended) (SO)

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

PSY 2023	Developmental Psychology
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**MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE 62**

FO=FALL ONLY    FOO=FALL ODD YRS ONLY    FEO=FALL EVEN YRS ONLY

SO=SPRING ONLY    SOO=SPRING ODD YRS ONLY    SEO=SPRING EVEN YRS ONLY



# Secondary Education - Physics Teacher Emphasis Associate in Science

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## 2024-25 Degree Requirements Checklist

GENERAL EDUCATION REQUIREMENTS		MAJOR FIELD REQUIREMENTS	
6 hrs.	<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	23 hrs.	<b>Select from the following:</b> <input type="checkbox"/> BIOL 1114 General Biology <b>or</b> <input type="checkbox"/> BIOL 1214 Principles of Biology (recommended) <input type="checkbox"/> CHEM 1315 General Chemistry I <input type="checkbox"/> CHEM 1515 General Chemistry II (SO) <input type="checkbox"/> MATH 1613 Plane Trigonometry <input type="checkbox"/> MATH 2215 Calculus and Analytical Geometry I (recommended) (SO) <input type="checkbox"/> MATH 2424 Calculus and Analytical Geometry II (recommended) (FO) <input type="checkbox"/> PHYS 1214 Earth Science <input type="checkbox"/> PHYS 1314 Astronomy <input type="checkbox"/> PHYS 2114 General Physics I (recommended) (FO) <input type="checkbox"/> PHYS 2211 Calculus Based Physics I (recommended) (FO) <input type="checkbox"/> PHYS 2224 General Physics II (recommended) (SO) <input type="checkbox"/> PHYS 2231 Calculus Based Physics II (recommended) (SO)
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		
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/HUM 1153 Art History I (FO) <input type="checkbox"/> ART/HUM 1163 Art History II (SO) <input type="checkbox"/> ART/HUM 1203 Art Appreciation <input type="checkbox"/> ART 2323 Global Studies in Art (TBD Summer) <input type="checkbox"/> ENG/HUM 2033 Survey of Native American Literature (SEO) <input type="checkbox"/> ENG 2043 Global Studies in Language Arts and Humanities (TBD Summer) <input type="checkbox"/> ENG/HUM 2413 Introduction to Literature (FO) <input type="checkbox"/> ENG/HUM 2433 World Literature I (SO) <input type="checkbox"/> ENG/HUM 2543 British Literature I (FEO) <input type="checkbox"/> ENG/HUM 2653 British Literature II (FOO) <input type="checkbox"/> ENG/HUM 2753 American Literature I (SEO) <input type="checkbox"/> ENG/HUM 2883 American Literature II (SOO) <input type="checkbox"/> HIST/HUM 2223 Early Western Civilization to 1660 <input type="checkbox"/> HIST/HUM 2233 Modern Western Civilization since 1660 <input type="checkbox"/> MUS/HUM 1213 Music Appreciation I <input type="checkbox"/> MUS/HUM 1223 Music Appreciation II <input type="checkbox"/> PHIL 1113 Introduction to Philosophy (FO) <input type="checkbox"/> SOC 2433 Global Studies in Culture and Diversity (TBD Summer) <input type="checkbox"/> SPCH/HUM 1523 Introduction to Theatre (FO)	3 hrs.	<b>MAJOR FIELD ELECTIVES AND SUPPORT</b> <input type="checkbox"/> PSY 2023 Developmental Psychology
		26 hrs.	<b>TOTAL REQUIRED MAJOR FIELD HOURS</b>
		62 hrs.	<b>MINIMUM TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE</b>
3 hrs.	<b>Mathematics</b> <i>Select one of the following:</i> <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 Analytic Geometry I (SO)		
	<b>Life Science</b> <input checked="" type="checkbox"/> met by program		
3 hrs.	<b>Physical Science</b> <input checked="" type="checkbox"/> met by program		
2 hrs.	<b>Computer Applications</b> <input type="checkbox"/> CAP 1103 Introduction to Microsoft Office		
2 hrs.	<b>Health, Physical Education and Recreation</b> <input type="checkbox"/> HPER 1012 Wellness and Human Development		
3 hrs.	<b>Student Success</b> Required during first semester <input type="checkbox"/> STSC 1002 Learning Strategies		
34 hrs.	<b>Psychology, Soc. Science, or Fine Arts Elective</b> <input type="checkbox"/> PSY 1113 General Psychology		
	<b>TOTAL REQUIRED GENERAL EDUCATION HOURS</b>		

Revised 01/2024

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## Semester by Semester Suggested Degree Plan\* Secondary Education – Physics Teacher Emphasis Associate in Science

COURSE NUMBER- COURSE DESCRIPTION	HOURS
<b>FRESHMAN YEAR, 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, SPRING</b>	
<input type="checkbox"/> ENG 1213 COMPOSITION II	3
<input type="checkbox"/> CAP 1103 INTRODUCTION TO MICROSOFT OFFICE	3
<input type="checkbox"/> MATH 2215 CALCULUS AND ANALYTICAL GEOMETRY I	5
<input type="checkbox"/> BIOL 1214 PRINCIPLES OF BIOLOGY	4
<input type="checkbox"/> MAJOR FIELD REQUIREMENT	3
<b>TOTAL:</b>	<b>18</b>
<b>SOPHOMORE YEAR, FALL</b>	
<input type="checkbox"/> HUM	3
<input type="checkbox"/> GOV 1113 AMERICAN NATIONAL GOVERNMENT	3
<input type="checkbox"/> PHYS 2114 GENERAL PHYSICS I	4
<input type="checkbox"/> PHYS 2211 CALCULUS BASED PHYSICS I	1
<input type="checkbox"/> HIST 1483/1493 AMERICAN HISTORY SURVEY TO 1877 OR SINCE 1877	3
<b>TOTAL:</b>	<b>14</b>
<b>SOPHOMORE YEAR, SPRING</b>	
<input type="checkbox"/> HUM	3
<input type="checkbox"/> PHYS 2224 GENERAL PHYSICS II	4
<input type="checkbox"/> PHYS 2231 CALCULUS BASED PHYSICS II	1
<input type="checkbox"/> PSY 2023 DEVELOPMENTAL PSYCHOLOGY	3
<input type="checkbox"/> SPCH 1143 SPEECH	3
<b>TOTAL:</b>	<b>14</b>
<b>TOTAL HOURS:</b>	<b>62</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.

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