

# SECONDARY EDUCATION

## PHYSICAL SCIENCE FOR TEACHER LICENSURE

See the *College of Education* page for additional requirements.

For licensure, students must achieve the minimum score on the Praxis II Specialty Area and Principles of Learning and Teaching Tests as determined by the Arkansas Department of Education. For further requirements see Admission and Retention to Teacher Education and also the Criteria for Internships located on the College of Education home page.

### Curriculum

The matrix below is a sample plan for all coursework required for this program.

#### Freshman

Fall	Credits
ENGL 1013 Composition I <sup>1</sup>	3
GEOL 1004 Essentials of Earth Science or GEOL 1014 Physical Geology	4
MATH 1914 Precalculus	4
CHEM 2124 General Chemistry I	4
PHSC 1001 Orientation to Physical Science	1
<b>Total Hours</b>	<b>16</b>

Spring	Credits
ENGL 1023 Composition II <sup>1</sup>	3
BIOL 1114 Principles of Biology	4
MATH 2914 Calculus I	4
CHEM 2134 General Chemistry II	4
<b>Total Hours</b>	<b>15</b>

#### Sophomore

Fall	Credits
HIST 2003 United States History to 1877 or HIST 2013 United States History since 1877	3
PHYS 2014 Algebra-Based Physics I or PHYS 2114 Calculus-Based Physics I and PHYS 2000 Physics Laboratory I	4
MATH 2924 Calculus II	4
CHEM 3254 Fundamentals of Organic Chemistry	4
SEED 2002 Education as a Profession	2
<b>Total Hours</b>	<b>17</b>

Spring	Credits
COMM 2003 Public Speaking	3

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Spring	Credits
PHYS 2024 Algebra-Based Physics II or PHYS 2124 Calculus-Based Physics II and PHYS 2010 Physics Laboratory II	4
PHYS, PHSC, CHEM or MATH Elective	3
CHEM 3313 Environmental Chemistry	3
<b>Total Hours</b>	<b>13</b>

**Junior**

Fall	Credits
FAH 1XXX Fine Arts and Humanities Courses <sup>1</sup>	6
CHEM 4993 Special Problems in Chemistry or PHYS 4993 Special Problems in Physics and Astronomy	3
PHSC 3053 Astronomy	3
PHYS 3213 Modern Physics	3
<b>Total Hours</b>	<b>15</b>

Spring	Credits
POLS 2003 American Government	3
COMS 2003 Microcomputer Applications or COMS 2803 Programming in C	3
PHSC 3033 Meteorology	3
PHSC 3252 The Nature and Context of Science	2
SEED 3702 Introduction to Educational Technology	2
Elective	2
<b>Total Hours</b>	<b>15</b>

**Senior**

Fall	Credits
ANTH 2003 Cultural Anthropology	3
PHSC 3233 Science Education in the Secondary School	3
SEED 3552 Child and Adolescent Development	2
SEED 4052 Educating Diverse and Exceptional Learners	2
SEED 4556 Classroom Application of Educational Psychology	6
<b>Total Hours</b>	<b>16</b>

Spring	Credits
PHSC 4701 Special Methods in Physical Science	1
SEED 4503 Seminar in Secondary Education	3
SEED 4909 Teaching in the Secondary School	9

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Spring	Credits
<b>Total Hours</b>	<b>13</b>

<sup>1</sup>See appropriate alternatives or substitutions in "General Education Requirements".