

SECONDARY TEACHER LICENSURE

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Students interested in teaching in secondary education in Arkansas must be licensed by the state in a state-approved subject area. UALR programs in secondary teacher education are designed to prepare students for licensure. Candidates for licensure must pass examinations mandated by the state, be U.S. citizens, and pass a criminal background check and a tuberculosis skin test.

Secondary Teacher Licensure Areas

Art Education
English and Language Arts Education
Foreign Language Education (French, German, or Spanish)
Vocal Music Education
Social Studies Education (History or Political Science)
Physical Education, Wellness, Leisure
Mathematics Education
Life Science / Earth Science Education
Physical Science / Earth Science Education

All secondary education programs have several components: university core requirements, an 18-hour Secondary Education Minor, and a major in a content area (such as Art, English, Math, or Biology, etc.). Some programs also require additional courses, blocks of courses, or other special minors related to the licensure area. Programs in which a Bachelor of Arts degree is awarded include a second language proficiency requirement. See "Second Language Requirement" in the Policy Section.

All students must have a minimum of 124 hours (including 45 hours of upper-level courses) to graduate. Because these requirements often overlap and are complicated in other ways, early and careful planning is

necessary to complete the programs in four years. Students are encouraged to contact a faculty advisor in their area of interest as early as possible after acceptance to UALR.

The components of the secondary education programs are described below. Course descriptions, numbers, and titles are found in the catalog sections for the departments offering the courses.

University Core Requirements

A student seeking a baccalaureate degree must complete a total of 44 hours in core courses. Options within the core may be restricted by the content majors, associated blocks of courses, or special minors in some licensure areas. A student should consult the requirements of his or her licensure area before selecting core courses.

Retention

Once admitted, students are required to maintain a 2.65 grade point average, with at least a "C" in all professional courses (this includes all courses associated with the licensure/degree plan). In addition, students' professional behaviors, content knowledge, and classroom performance will be evaluated throughout the program.

Successful completion of the licensure program is not based solely on the number of course credits, but requires demonstration of specified professional knowledge, skills, and behaviors.

Once the student has begun the program, periodic evaluations will assess progress. Failure to progress satisfactorily might result in a student being removed from the program. While a student may require additional time to meet some performance expectations, the faculty may limit that time and reserves the right to drop a student from the licensure program should appropriate progress not be demonstrated.

Minor in Secondary Education (18 Hours)

Praxis Exams:

Praxis I: Reading, Writing, and Mathematics
Praxis II: Principles of Learning and Teaching 7-12
Praxis II: All Content exams (listed on the following pages for each licensure area)

The Secondary Education Minor is required in all programs and should not be confused with other blocks of courses or special minors required in some licensure areas.

Block I: Career Awareness Semester

Admission Requirements: 2.65 GPA; Completion of 60 hours; Completion of the following core courses with a grade of C or greater:

MATH 1302 OR 1315,
RHET 1311 AND 1312,
SPCH 1300

Passing scores on the Praxis I exam (current pass scores, but subject to change):

Reading 172 or above
Writing 173 or above
Mathematics 171 or above

Block I Course Requirements: (3 hours)

SCED 3210 Instructional Skills and Assessment
SCED 3110 Instructional Skills Practicum

Block II: Mastery of Principles of Learning and Teaching

Admission Requirements: 2.65 GPA; a grade of C or greater in all Block I courses.

Block II Course Requirements: (6 hours)

SCED 4321 Teaching Diverse Adolescents
SCED 4122 Adolescent Diversity Practicum
SCED 4123 Adolescents with Special Needs
SCED 4124 Classroom Management

Block III: Student Teaching

Admission Requirements: 2.65 GPA; a grade of C or greater in all Block II Classes; Passing scores on Praxis II Content Exams.

Block III Course Requirements: (9 hours)

TCED 4600 Student Teaching
SCED 4330 Reflective Teaching

Content Components

See "Content Components."

Minor in Secondary Education (18 hours) Fast-Track option

Fast-Track Option:

In order to complete Block I and Block II simultaneously, known as Fast Tracking, students must meet all of the following requirements:

- Admission requirements for Block I and II, with the exception that Block I and Block II coursework will be completed simultaneously, instead of Block I coursework as a prerequisite to Block II, including a "C" or better in MATH 1302 or 1315, RHET 1311 and 1312, and SPCH 1300,
- Completion of a minimum of 80 hours prior to admission to the minor,
- GPA of 3.5 or above,
- Passing Praxis I and Praxis II (Content) scores,
- Completion of or concurrent enrollment in specialized instructional methods course prior to or concurrent with the semester of Fast Tracking,
- Writing sample that demonstrates writing competency evaluated by SCED faculty member and faculty content advisor, and
- Interview with SCED faculty and faculty content advisor with a favorable recommendation from both.

Core Requirements for Bachelor Degrees with Secondary Teacher Licensure

RHET 1311 Composition I
RHET 1312 Composition II
SPCH 1300 Speech Communication

Social Sciences (15 hours)

HIST 1311 History of Civilization I
HIST 1312 History of Civilization II

*One course (3 hours) from the following:*¹

HIST 2311 U.S. History to 1877
HIST 2312 U.S. History since 1877
POLS 1310 American National Government

Two courses (6 hours) from the following:

ANTH 2316 Cultural Anthropology
GNST 2300 Introduction to Gender Studies
GEOG 2312 Cultural Geography
PSYC 2300 Psychology and the Human Experience
RELS 2305 World Religions
MCOM 2330 Mass Media and Society
SOCI 2300 Introduction to Sociology
CRJU 2300 Introduction to Criminal Justice
ECON 2301 Survey of Economics
POLS 2301 Introduction to Political Science

Math (3 hours)²

MATH 1315 College Mathematics

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1. Students in the Social Studies licensure area should consult the requirements of that area prior to enrolling in one of these courses.
 2. Students in the Mathematics, Life/Earth Science, or Physical/Earth Science licensure areas should consult the requirements of those areas prior to enrolling in one of these courses.

MATH 1302 College Algebra

Science (8 hours)²

ANTH 1415 Physical Anthropology

ASTR 1301 Introduction to Astronomy
and ASTR 1101 Introduction to Astronomy Laboratory

BIOL 1400 Evolutionary and Environmental Biology

BIOL 1401 Science of Biology

CHEM 1409 Chemistry and Society

ERSC 1302 Physical Geology
and ERSC 1102 Physical Geology Laboratory

ERSC 1303 Historical Geology
and ERSC 1103 Historical Geology Laboratory

Fine Arts/Humanities (9 hours)

One course (3 hours) from the following:

ENGL 2337 World Literature
ENGL 2338 World Literature Themes
PHIL 2320 Ethics and Society

Two of the following courses (6 hours):

MUHL 2305 Introduction to Music
ARHA 2305 Introduction to Visual Art
THEA 2305 Introduction to Theatre and Dance

Note: Previous course sequences FNAR 2300, Introduction to Fine Arts I and FNAR 2301, Introduction to Fine Arts II or MUHL 2200, Introduction to Music; ARHA 2200, Introduction to Visual Art; and DRTN 2200, Introduction to Theatre and Dance will no longer be offered after Fall 2008.

Praxis Series Tests

Students in all programs must pass several standardized exams mandated by the State of Arkansas, The Praxis Series: Professional Assessments for Beginning Teachers, developed by Educational Testing Services, Inc. Successful completion of the Praxis I is required for admission to Block II of the Secondary Education Minor.

In order to complete the Secondary Education Minor, students must also pass the Praxis II pedagogy exam (Principles of Learning and Teaching) and all required Praxis II content exams within their licensure area. The content exams, listed on the following pages, are those required by the State of Arkansas at the time of publication of this catalog but are subject to change. Students who do not pass the exams are ineligible to graduate under a secondary education program degree plan with a minor in secondary education and are ineligible for teaching licensure. In such cases, students may qualify to graduate under another degree plan, although additional course work may be required.

Students should consult an advisor in their licensure content area before registering to take exams.

Students must submit completed "Praxis II" scores to the College of Education.

Content Components

All programs require the completion of a major in the chosen field and in some cases require additional courses, blocks of courses, or other special minors. When the hours accumulated within a content area, taken together with university core hours, second language hours, and the 18 hours in the Secondary Education minor do not total 124 (of which at least 45 are upper-level), students must take additional general electives.

Licensure Area: Art

Praxis II Licensure Exams:

Art Making - 20131
Art: Content, Traditions, Criticism and Aesthetics - 20132
Art: Content Knowledge - 10133
Principles of Learning and Teaching in any area - 20521, 20523 or 20524

Students must major in art, completing the following curriculum (64 hours).

Foundations (15 hours)

ARST1310 Basic Drawing
ARST1315 2-D Design
ARST 2310 Figure Drawing
ARST 2315 3-D Design
ARST 2318 Designing with New Technologies

Studio (27 Hours)

ARST 3310 Advanced Drawing I
ARST 3320 Painting I
ARST 3330 Printmaking I
ARST 3340 Graphic Design I
or **ARST 3380 Illustration**

ARST 3350 Ceramics I
ARST 3360 Sculpture I
ARST 3370 Photography I
ARST 3312 Crafts I
3 hours of ARST electives

Art History (15 Hours)

ARHA 2310 Survey of the History of Art I
ARHA 2311 Survey of the History of Art II
ARHA 2312 Survey of Non-Western Art
Two additional ARHA courses, excluding 2200, 4302 and 4303

Art Education (10 hours)

ARED 3316 Teaching Art in the Secondary School
ARED 3345 Public School Art
ARED 4325 Foundations in Art Education
ARED 4194 Independent Study (Student teaching)

Students in the bachelor of arts in art/secondary education program who want to enroll in a master of arts in art or master of fine arts program after graduation need to take additional studio and art history course work at the undergraduate level.

Licensure Area: English Language Arts

Praxis II Licensure Exams:

English Language
Literature, and Composition: Content Knowledge - 10041
English Essays - 20042
English Pedagogy - 20043

Students must major in English (a 33-hour program) in keeping with the following curriculum:

Required Courses (21 hours)

ENGL 3330 Approaches to Literature
ENGL 3331 Major British Writers I
ENGL 3332 Major British Writers II
ENGL 3311 History of the English Language
ENGL 3312 Grammatical Analysis of the English Language
ENGL 3360 Selected Topics (when taught as Studies in World Literature)
ENGL 4199 Career Perspectives
ENGL 4202 Teaching Literature in the Secondary Schools

Additional ENGL Requirements (12 hours total) to include:

American Literature (3 hours)

ENGL 3321 American Literature I
ENGL 3322 American Literature II
ENGL 3323 American Literature III

African-American Literature (3 hours)

ENGL 3326 African-American Literature I
ENGL 3327 African-American Literature II
Upper-level (3000-4000) ENGL Electives (6 hours)

Additional Competencies beyond required English hours (8 hours)

RHET 4202 Teaching Writing in the Secondary Schools
RHET 3317 Introduction to Nonfiction Writing
Adolescent Literature (3 hours)
RHET 1312 (when the topic is Writing about Children and Their Literature)
RHET 4347 (when the topic is Writing for Children and Families)
SCED 4316 Adolescent Literature
ENGL 4370 (when the topic is Adolescent Literature)

Licensure Area: Vocal Music

Praxis II Licensure Exams:

Music: Content Knowledge - 10113
Music: Concepts and Processes - 20111
Music: Analysis - 20112
Music candidates may take any level of Principles of Learning and Teaching - 20521, 20523 or 20524

Students must major in music with an emphasis in applied music and meet with the Music Department Chair each semester for advising.

Music Major (59 hours)

MUTH 2381 Music Theory I
MUTH 2391 Music Theory II
MUTH 3381 Music Theory III
MUTH 2291 Aural Skills I
MUTH 2292 Aural Skills II
MUTH 3231 Form and Analysis
Music Ensemble (4 hours)
Applied Study (4 hours)
Upper-level Applied Study (4 hours)
MUTH electives (3 hours)
MUHL 3322 Survey of Western Art Music

MUHL 3381 American Music
MUHL elective chosen from: 3351, 3361, 3370, 3371 (3 hours)
Six hours of Music electives
Six semesters of MUAP 1000 Recital Attendance

Music Education Emphasis (14 hours)

MUAP 3224 Conducting I
MUAP 3325 Conducting II
MUED 3314 Vocal Pedagogy
MUED 3315 Teaching Choral Music in the Secondary Schools
MUED 3322 Music in the Elementary Grades

Students in the secondary education track are strongly encouraged to take either MUTH 4310 Arranging or MUTH 4320 Composition I as the theory elective.

Additionally, students are required to take MUHL 3322 Survey of Western Art Music, MUHL 3381 American Music, complete at least two semesters in MUEN 4113 Concert Choir, and enroll in MUEN 4140 Community Choir each semester they are enrolled in this emphasis.

Students in the secondary education track are required to demonstrate piano/keyboard proficiency. For students with little or no piano/keyboard background, it may be necessary to take up to 8 hours of piano/keyboard classes MUAP 1214 Piano Class I, 1244 Piano Class II, 2284 Class Piano III, and 3265 Piano Skills to fulfill this requirement.

Licensure Area: Foreign Language

Praxis II Licensure Exams:

Spanish:

Spanish: Content Knowledge - 10191

Spanish: Productive Language Skills - 20192

Spanish: Pedagogy - 20194

Please note: Beginning October 1, 2010, the Praxis II for Spanish students will change. The new Praxis II test for Spanish Licensure will be 0195 - Spanish: World Language. It is a 2 hours and 45 minute test. The new pedagogy test for all foreign language candidates will be 0841 - World Languages Pedagogy. It is a 2 hours test.

French:

French: Productive Language Skills - 10171

French: Content Knowledge - 20173 and any PLT

Please note: Beginning Oct,1, 2010, the Praxis II pedagogy test for all foreign language candidates will be 0841 - World Languages Pedagogy. It is a 2 hour test.

German: Any Principles of Learning and Teaching exam.

Please note: Beginning Oct,1, 2010, the Praxis II pedagogy test for all foreign language candidates will be 0841 - World Languages Pedagogy. It is a 2 hour test.

Students must major in Spanish, French, or German Studies, and it is recommended that the student also minor in a field taught in secondary schools. English, social studies, and the arts are common combinations with foreign languages. An official ACTFL-certified Oral Proficiency Interview is required for all students seeking Teacher Licensure in French, German, or Spanish. Certification at the Advanced-low oral proficiency level as defined by ACTFL is required prior to admission to student teaching in a second language. See "Department of International & Second Language Studies" for details pertaining to each of the majors in foreign languages. Second Language Education Block (12 hours)

These courses provide the requirements for the Arkansas ESL endorsement. Any part of the block may be met by demonstration of competency.

LANG 4322 Methods of Teaching Second Languages

LANG 4323 Second Language Acquisition

LANG 4324 Teaching People of Other Cultures

LANG 4325 Second Language Assessment

Licensure Area: Social Studies - History

Praxis II Licensure Exams:

Social Studies - Content Knowledge - 10081

Analytical Essays - 20082

Principles of Learning and Teaching - 20524

History Major (30 hours)

HIST 2311 U.S. History to 1877

HIST 2312 U.S. History since 1877

HIST 4355 History of Arkansas

HIST 4397 Teaching Applications

3 hours U.S. History electives

6 hours non-U.S. History electives (European ancient, Latin American, or Asian)

3 hours Senior capstone seminar (taken after 90 total hours)

6 hours upper level history electives

Social Studies Minor¹ (21-30 hours):

If the following courses are not taken for the core, they must be taken as part of the social studies minor:

ECON 2301 Survey of Economics

POLS 1310 American National Government

POLS 2301 Introduction to Political Science

6 hours of behavioral sciences from:

ANTH 2316 Cultural Anthropology

PSYC 2300 Psychology and the Human Experience

SOCI 2300 Introduction to Sociology

6 hours of geography, the following are recommended:

GEOG 2310 World Regions

GEOG 2312 Cultural Geography

1. This minor is only available to Secondary Education majors in History or Political Science.

Licensure Area: Social Studies - Political Science

Praxis II Licensure Exams:

Social Studies - Content Knowledge -1 0081

Analytical Essays - 20082

Principles of Learning and Teaching - 20524

Political Science Major (30 hours)

POLS 1310 American National Government

POLS 2301 Introduction to Political Science

POLS 3350 Arkansas Government and Politics

9 upper-level POLS hours.

At least three hours of POLS courses from each of the following sub-fields:

American Political Institutions and Processes

POLS 3300 American Political Parties

POLS 3305 Elections and Public Opinion

POLS 3310 Policy Process

POLS 3320 The American Presidency

POLS 3325 Legislative Process and Behavior

POLS 4310 Seminar in American National Government

POLS 4320 American Foreign Policy

POLS 4301 Judicial System and Process

Normative Political Theory

POLS 3390 American Political Thought

POLS 4380 Classical Political Theory

POLS 4390 Modern Political Theory

Constitutional Law

POLS 4350 Constitutional Law: Governmental Powers

POLS 4351 Constitutional Law: Civil Liberties

International Relations/Comparative Politics

POLS 3360 Comparative Government: Western

POLS 3370 Comparative Government: Developing Areas

POLS 4340 International Relations

Social Studies Minor² (21-30 hours)

ECON 2301 Survey of Economics

SOCI 2300 Introduction to Sociology

GEOG 2310 World Regions

GEOG 2312 Cultural Geography

HIST 4355 Arkansas History

HIST 2311 U.S. History to 1877 or 2312 U.S. History from 1877 (must be a course that is not taken as part of the University Core)

POLS 4397 Social Studies Teaching Applications

2. This minor is only available to Secondary Education majors in History or Political Science.

If the following courses are not taken as part of the University Core, they must be taken as part of the Social Studies Minor.

ANTH 2316 Cultural Anthropology
PSYC 2300 Psychology and the Human Experience

Licensure Area: Physical Education, Wellness, and Leisure Science

Praxis II Licensure Exams:

Praxis II: #20524 Principles of Learning and Teaching for fall 2009
Praxis II: of Learning and Teaching (PLT) in any area beginning Spring, 2010 - 20521, 20523, 20524
Health & Physical Education:
Content Knowledge - 20856
Physical Education:
Movement and Formations - Analysis & Design - 20092
Praxis II - 10091 must be taken for the Coaching Endorsement

Students must major in Health Sciences, completing the following curriculum:

General Health Sciences Concentration Area (8 hours)

HSCI 3401 Nutrition
HSCI 3412 Applied Human Sciences
or **BIOL 1411 or 1412 Human Anatomy and Physiology**

Professional Area Requirements (55 hours)

HSCI 2372 Care & Prevention of Injuries

HSCI 3210 Individual Sports
HSCI 3211 Health & Safety of Early Childhood
HSCI 3212 Teaching Individual Sports II
HSCI 3220 Teaching Team Sports
HSCI 3222 Teaching Team Sports II
HSCI 3302 Exercise Physiology
HSCI 3310 Coaching Theory and Methodology
HSCI 3320 History of Physical Education
HSCI 3330 Teaching PK-5 Physical Education
HSCI 3372 Advanced First Aid
HSCI 3377 Drug Education K-12
HSCI 3402 Kinesiology
HSCI 3410 Biomechanics of Human Movement
HSCI 3422 Exercise, Wellness, & Lifestyles
HSCI 4340 Adapted Physical Ed. K-12
HSCI 4350 Methods & Techniques of Teaching Physical Education 6-12
HSCI 4379 Methods & Techniques of Teaching HLED
HSCI 4384 Motor Development

Licensure Area: Mathematics

Praxis II Licensure Exams:

Math Content Knowledge - 10061
Math Proofs, Models and Problems - 20063
Math Pedagogy - 20065

Students must earn either a bachelor of science or a bachelor of arts in mathematics. See "Department of Mathematics & Statistics" for details about the BA and BS in Mathematics degrees. Contact an advisor in the Department of Mathematics and Statistics for details about specific course requirements.

Licensure Area: Physical/Earth Sciences

Praxis II Licensure Exams:

Earth Sciences: Content Knowledge - 20571
Physical Science: Content Knowledge - 20481
Physical Science: Pedagogy - 20483

Students must major in Chemistry, Geology, or Physics

Chemistry Major (Bachelor or Arts)

CHEM 1402/1403 General Chemistry I and II
CHEM 2310/2311 Analytical Chemistry I and II
CHEM 3350/3351 General Organic Chem I and II
CHEM 3150/3151 General Organic Chem Lab 1 and II
CHEM 3340 Inorganic Chemistry
CHEM 3572 Life Sciences Physical Chemistry
CHEM 4190 Seminar
ERSC 1302/1102 Physical Geology
and **1303/1103 Historical Geology**
ERSC 3310 Earth Materials
ERSC 3320 Field Geology I
ERSC 4411 Igneous and Metamorphic Petrology
or **3430 Structural Geology**
ERSC 4323 Geology of Arkansas
IGSC 4401 Integrated Science Methods
PHYS 1321, 1322 Elementary Physics I and II
PHYS 1121, 1122 Elementary Physics Lab I and II
MATH 1302 College Algebra
MATH 1303 Trigonometry

Geology Major (Bachelor of Science)

ERSC 1302/1102 Physical Geology lecture/lab

ERSC 1303/1103 Historical Geology lecture/lab
ERSC 3310 Earth Materials
ERSC 3320 Field Geology I
ERSC 3430 Structural Geology
ERSC 3440 Sedimentology
ERSC 4340 Stratigraphy
ERSC 4190 Senior Seminar
ERSC 4411 Igneous and Metamorphic Petrology
ERSC 4320 Field Geology II or approved Geology Field Camp
CHEM 1402/1403 General Chemistry I and II
PHYS 1321/1121 Elementary Physics I/lab
PHYS 1322/1122 Elementary Physics II/lab
IGSC 4401 Integrated Science Methods
MATH 1304 Calculus I
6 hours from any combination MATH/CPSC/STAT

Physics Major (Bachelor of Arts)

ASTR 1301/1101 Intro to Astronomy/Lab
ASTR 2301/2101 Scientific Computing/Image Processing
PHYS 2321/2121 Physics for Scientists and Engineers/ Lab¹
PHYS 2322/2122 Physics for Scientists and Engineers/ Lab²
PHYS 3323/3123 Physics for Scientists and Engineers/ Lab
PHYS 3350 Electronics
PHYS 3315 Teaching Physics in the Secondary Schools
PHYS 4111 Advanced Lab
PHYS 4190 Seminar
ERSC 1302/1102 Physical Geology³
ERSC 1303/1103 Historical Geology

1. May substitute with Physics 1321/1121 with departmental chair approval

2. May substitute with Physics 1322/1122 with departmental chair approval

ERSC 3310 Earth Materials
or 3320 Field Geology I
ERSC 4411 Igneous and Metamorphic Petrology, 3430 Structural
Geology, 3440 Sedimentology, 3360 Paleobiology, or 3372 Surficial
Hydrology
IGSC 4401 Integrated Science & Methods
CHEM 1402 General Chemistry I
CHEM 1403 General Chemistry II

CHEM 2310 Analytic Chemistry I
CHEM 2311 Analytic Chemistry II
CHEM 3350/3150 General Organic I/Lab or 3351/3151 General Organic
II/Lab
MATH 1304 Calculus I
MATH 1305 Calculus II
MATH 2306 Calculus III

Licensure Area: Life/Earth Sciences

Praxis II Licensure Exams:

Biology: Content Knowledge - 20235

Biology: Pedagogy - 10234

Earth Sciences: Content Knowledge - 20571

Students may major in either Biology or Geology.

Biology Major (Bachelor of Science)

**BIOL 1400 Evolutionary and Environmental Biology or 1401 Science of
Biology**

BIOL 2401 Microbiology

BIOL 2402 Botany

BIOL 2403 Zoology

BIOL 3100 Genetics Laboratory

BIOL 3300 Genetics

BIOL 3103 Principles of Ecology Lab

BIOL 3303 Principles of Ecology

BIOL 4190 Biology Seminar

**BIOL Electives - 12 hours to include at least one course in organismal
and cellular biology**

ERSC 1302/1102 Physical Geology

ERSC 1303/1103 Historical Geology

ERSC 3380 Oceanography

or ERSC 3390 Weather Studies

ERSC electives - 3 hours upper level

PHYS 1310 Physical Concepts or 1321 Elementary Physics

IGSC 4401 Integrated Science Methods

Must include 8 hours of freshman chemistry and four hours of organic
chemistry (take sequence one or two).

Sequence One

CHEM 1400 Fundamental Chemistry I

CHEM 1401 Fundamental Chemistry II

CHEM 2450 Organic Chemistry - Short Course

Sequence Two

CHEM 1402 General Chemistry I

CHEM 1403 General Chemistry II

CHEM 3350/3150 General Organic Chemistry I

Geology Major (Bachelor of Science)

ERSC 1302/1102 Physical Geology lecture/lab

ERSC 1303/1103 Historical Geology lecture/lab

ERSC 3310 Mineralogy

ERSC 2320 Geologic Methods

ERSC 3330 Structural Geology

ERSC 3340 Sedimentology

ERSC 4340 Stratigraphy

ERSC 4190 Senior Seminar

ERSC 4411 Igneous and Metamorphic Petrology

ERSC 4626 Field Geology

**BIOL 1400 Evolutionary and Environmental Biology or 1401 Science of
Biology**

4-6 hours of BIOL courses at or above the 2000-level

ERSC 3360 Paleobiology (may be counted as upper-level Biology hours)

CHEM 1402, 1403 General Chemistry I and II

MATH 1304 Calculus I OR 1311 Applied Calculus I

6 hours from any combination of MATH, CPSC, or STAT courses

IGSC 4401 Integrated Science Methods

Courses in Secondary Education (SCED)

SCED 3110 Instructional Skills and Assessment Practicum

Prerequisite: acceptance into the secondary education minor. Corequisite: SCED
3210. This field placement requires 30 hours of observation and teaching activities
in a local public school where students will apply basic instructional skills and
assessments to teaching lessons within their content area. One credit hour.

SCED 3210 Instructional Skills and Assessment

Corequisite: SCED 3110. The basic instructional skills include how to utilize
different approaches to teaching content and the assessment of learning for
secondary students. Students develop pedagogical techniques, activities, and
assessments that encourage and promote learning. Students test lesson plans,
instructional skills, and selected teaching strategies in classes in area secondary
schools. Two credit hours.

SCED 4122 Classroom Management

Prerequisites: admission to Block 2 of the secondary education minor and
concurrent registration in all Block 2 courses. Students will learn communications,
organization, and human relation skills needed for creating a fair and productive
classroom. One credit hour.

SCED 4123 Adolescents with Special Needs

Prerequisite: admission to Block 2 of the secondary education minor and
concurrent registration in all Block 2 courses. Students learn strategies for
modifying instruction for students with special needs and legal requirements for
meeting the needs of special students. One credit hour.

SCED 4124 Adolescent Diversity Practicum

Prerequisite: admission to Block 2 of the secondary education minor and
concurrent registration in all Block 2 courses. This field placement requires three
hours a week of observation and teaching activities in a local public school. One
credit hour.

SCED 4321 Teaching Diverse Adolescents

Prerequisites: admission to Block 2 of the secondary education minor and
concurrent registration in all Block 2 courses; ANTH 2316, PSYC 2300 or the
equivalent. Students use concepts of adolescent development and cultural
diversity to develop curriculum, design lessons, and select teaching materials and
techniques to meet the needs of students at different developmental stages and of
different cultures. Three credit hours.

SCED 4330 Reflective Teaching and Professionalization

Prerequisites: Blocks 1 and 2 of the secondary education minor. Corequisite:
TCED 4600. Students are expected to develop their capacity to be professional,
reflective practitioners as they deal directly or indirectly with teaching,
management, or communications encountered during student teaching. Three
credit hours.

SCED 4100, 4200, 4300 Independent Study in Secondary Education

Prerequisite: admission to teacher education program or consent of instructor. An
in-depth study of special education problems in the junior or senior high school.
One, two, or three credit hours.

TCED 4600 Internship

Prerequisites: SCED4210/5210 and 4110 and 5110 and passing Praxis II (Content
assessments). Co requisites: TCED 4330/5330, Reflective Teaching. This course is
a 12 week field practicum that allows candidates to teach their content to high
school students. Teacher Candidates are expected to develop their capacity to be
professional, reflective practitioner as they deal directly or indirectly with
teaching, management, or communication problems encountered during student
teaching. Teacher Candidates are expected to develop lesson plans and units
correlated with their specific content specialty organization standards (NSTA,
NCTM, NCSS, NCTE, or AHEE) to impact student learning in the secondary
classroom.

3. Satisfies part of University core requirement