

SCHOOL OF EDUCATION

Dr. Glenn Sheets, Dean
Crabaugh Hall, Room 204
(479) 968-0350
Glenn.Sheets@mail.atu.edu
Fax: (479) 964-0811

The School of Education provides guidance and professional courses for the teacher candidate who plans to teach in early childhood, middle level, and secondary schools. The teacher education program is accredited by the National Council for Accreditation of Teacher Education (NCATE).

Teacher candidates who plan to teach physical education, early childhood, or middle level must enroll in the School of Education. Those who elect to prepare for teaching in other fields must enroll in schools appropriate to their interests in teaching.

For the freshman or sophomore teacher candidate who has not selected a major or specific teaching level or area, the School recommends enrollment in the undeclared program (see "Undecided Study," on page 22). In addition to taking the required general education courses, teacher candidates in this program are encouraged to take such electives as will provide them a good liberal education and help select a major field. Advisors in this program are selected to provide guidance to undecided teacher candidates.

In making a decision to enter the teaching profession, teacher candidates should seriously consider the demands which this choice entails. Among these are scholarship and intellectual curiosity; an interest in children and young people, and an understanding of their interests, problems, and development; a thorough understanding of the principles and skills employed by effective teachers; and an interest in and understanding of the role of the school in our society.

Teacher candidates who elect the professional program in teacher education will complete their study in at least two stages. See the appropriate catalog section for the requirements for specific programs. Some courses in the area of specialization should also be completed. **Admission to Arkansas Tech University is a prerequisite to, but separate from, admission to teacher education.** Declaration of a major in one of the University's teacher education programs is also a prerequisite to making formal application for admission to teacher education. Even though admission to Tech and declaration of a teaching major are necessary conditions for admission to teacher education, they are not the only requirements. Other criteria are listed in the section below.

Admission & Retention in Teacher Education at Tech

Professional programs are composed of courses and experiences designed to complete the undergraduate phase of professional preparation for teaching. Admission is by application to the Admission and Retention Committee of the Teacher Education Council. Before a teacher candidate may enroll in professional education courses at the upper division level (the required 3000 and 4000 level professional education courses), he or she must be formally admitted to teacher education at Tech. Application forms may be obtained from the office of the Dean of the School of Education (Crabaugh 204) or the office of the Director of Teacher Education Student Services (Crabaugh 109).

To be admitted to programs in secondary education, teacher candidates must have two assigned advisors, one from the School of Education and one from the department representing their teaching concentration, have the approval of both advisors, satisfactorily complete the pre-admission requirements, have a cumulative grade point average of 2.50 on all college work completed including transfer work, and submit a plan of study approved by both advisors. An early childhood education or middle level education major will have one advisor from the Department of Curriculum and Instruction. Admission to teacher education will be recommended by the academic advisors and determined by the Admission and Retention Committee based on the following considerations: completion of English composition courses, an oral communication course, a college-level mathematics course, and the appropriate introductory education course with grades of "C" or higher, and completion of the

Praxis I (PPST) with scores equal to or greater than the scores determined by the Arkansas Department of Education. Other factors which reflect professional competence, including moral and emotional stability, physical and mental health, intellectual curiosity, use of English, social awareness, and professional interest will be considered by the Admission and Retention Committee. Formal screening and subsequent admission into teacher education and the monitoring of satisfactory progress in the teacher preparation program represent institutional obligations to the teaching profession, the schools served by and working with the University's programs, and the agencies that approve and accredit teacher education programs.

Once admitted to teacher education, the teacher candidate must maintain satisfactory progress throughout the completion of the teacher education program according to the standards cited above and any additional program standards in effect or lose eligibility to continue in that program. Course sequences and prerequisites will be followed carefully.

A formal appeal of a decision to deny admission to teacher education may be made to the Admission and Retention Committee of the Teacher Education Council. Instructions and forms for such appeals are available in the Office of the Dean of Education. **An appeal should be based upon exceptional or extenuating circumstances and/or other pertinent information not previously available or considered.** A formal appeal must be submitted in writing to the Dean who will transmit it to the Committee. The Committee's decision may be appealed in writing to the Dean of the School of Education regarding admission to teacher education. If the appeal is not resolved at this level the teacher candidate may appeal to the Vice President for Academic Affairs whose decision will be final.

Admission Decision Appeals

Internship is normally expected to be the last requirement completed in teacher education programs. Internship requires a full-time academic and professional commitment. Internship requires the teacher candidate to devote one semester of the senior year to full-time internship in an approved school. The teacher candidate should plan the work of internship to provide one semester free of activities and responsibility which would interfere with the requirements of the professional semester. The teacher candidate is expected to follow the direction of the Field-Based Teacher, the School Principal, the Arkansas Tech University Supervisors, and the Arkansas Tech University Director of Teacher Education Student Services.

Criteria for Internship

Admission requirements for secondary education include completion of all professional education courses, a minimum grade of "C" in all courses required for the teaching field and professional education, and a 2.50 grade point average in the courses required for the teaching field with a cumulative grade point average of 2.50 on all work attempted, including transfer work. Admission requirements for early childhood education and middle level education include no grade below "C" in any course work with a cumulative grade point average of 2.50 on all work attempted, including transfer work. Internship admission requires a Praxis II Specialty Area score which meets or exceeds the minimum scores established by the Arkansas Department of Education.

Decisions made regarding a teacher candidate's eligibility and readiness for placement or retention in internship may be appealed in writing to the Admission and Retention Committee of the Teacher Education Council. Such an appeal should be submitted to the Dean of the School of Education, who will transmit it to the Committee. The Committee's decision regarding an appeal may be appealed in writing to the Dean. If the appeal is not resolved at that level, the teacher candidate may appeal to the Vice President for Academic Affairs whose decision is final. Appeals should be based on exceptional or extenuating circumstances and/or pertinent information **not** previously available or considered.

Appeals of Internship Eligibility Decisions

Internship Application Process

TEACHER CANDIDATE MUST SUBMIT A FORMAL APPLICATION FOR ADMISSION TO INTERNSHIP. APPLICANTS FOR THE SPRING SEMESTER MUST SUBMIT THE APPLICATION PRIOR TO OCTOBER 1 OF THE FALL SEMESTER. APPLICANTS FOR THE FALL SEMESTER MUST SUBMIT THE APPLICATION PRIOR TO MARCH 1 OF THE SPRING SEMESTER. FAILURE TO MEET THESE DEADLINES COULD RESULT IN THE DELAY OF INTERNSHIP FOR A SEMESTER. PRIORITY IN INTERNSHIP PLACEMENT WILL BE GIVEN TO THOSE TEACHER CANDIDATES MEETING THE DEADLINES AND PREREGISTERING FOR INTERNSHIP FOR THE GIVEN SEMESTER.

Application forms for internship may be obtained during scheduled group meetings with the Director of Teacher Education Student Services.

Early Childhood candidates may accomplish internship by enrolling in ECED 4915. Middle level candidates may accomplish internship by enrolling in MLED 4912. Secondary candidates may accomplish internship by enrolling in SEED 4809 or 4909 and SEED 4503, and any other courses required in their teaching concentration.

Assignment of the teacher candidate to an approved site for internship is the responsibility of the School of Education based on policies developed by the School of Education. Placements are chosen to provide the best educational experience for the teacher candidate.

APPLICANTS FOR ADMISSION TO STAGE II OR INTERNSHIP MUST MEET THE REQUIREMENTS THAT ARE IN EFFECT AT THE TIME OF APPLICATION. THE REQUIREMENTS FOR ADMISSION AND RETENTION AS PUBLISHED IN THE POLICIES AND PROCEDURES HANDBOOK OF THE ARKANSAS TECH UNIVERSITY TEACHER EDUCATION PROGRAM WILL SUPERSEDE CATALOG INFORMATION.

The School of Education offers programs of study leading to baccalaureate degrees as listed below:

Bachelor of Science

Early Childhood Education

Middle Level Education

Health and Physical Education including a Wellness and Fitness Program Management option

Secondary Education (teacher licensure programs in life/earth science, business technology, mathematics, physical/earth science.¹

Bachelor of Arts

Secondary Education (teacher licensure programs in art, creative writing, English, foreign language, history and political science, music, and speech)¹

¹Teacher candidate preparing to teach in secondary schools must complete the courses required for specialization in a teaching concentration. These are listed in departmental sections of the catalog and recommended curricula patterns, including teacher licensure requirements, set forth in the School of Education section of this catalog.

Requirements for Teacher Licensure

All candidates for licensure must accomplish the Praxis II, *Principles of Learning and Teaching*, except those taking a Praxis II subject assessment that contains a pedagogy section. These are math, life/earth science, physical/earth science, Spanish and English. Teacher candidates must also accomplish the appropriate specialty area exams of Praxis II. Scores must be sent directly from the Educational Testing Service to Arkansas Tech University.

Please refer to Item E under the "Requirements for Baccalaureate Degrees," on page 70.

The Congress of the United States, in its reauthorization of Title of the Higher Education Act of 1998, enacted accountability measures requiring institutions of higher education to report data to the public on the pass-rates of teacher candidates on assessments required for state licensure. The pass-rates for 2003-2004 for Arkansas Tech University teacher candidates were 100 percent on the assessments of basic skills, professional knowledge, and academic content knowledge. The average pass-rates for programs in the state were also 100 percent.

During 2003-2004, 155 teacher candidates were admitted to the teacher education program at Arkansas Tech University; teacher candidates spent an average of 405 hours in the classroom during internship; and the average faculty-teacher candidate ratio in supervised practice teaching was 5.0. All programs are approved by the Arkansas Department of Education. The teacher education program at Tech is **not** designated by the State of Arkansas as a low-performing program.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Dr. David Bell, Chair
Crabaugh Hall, Room 210
(479) 968-0392
David.Bell@mail.atu.edu

The Department of Curriculum and Instruction offers programs leading to a degree and/or licensure in three areas: Early Childhood Education (Pre-K- Grade Four), Middle Level Education (Grade Four-Grade Eight), and Secondary Education (Grade Seven-Grade Twelve).

Early Childhood Education¹

The Early Childhood Education program meets the needs of today's children building on the common core of knowledge, performance, and dispositions needed for early childhood professional educators.

There are three phases in the Bachelor of Science Early Childhood Degree program. Teacher candidates begin the first phase by taking general education requirements and are introduced to basic concepts, theory and practices in early childhood courses.

During the second phase teacher candidates complete general education requirements and take courses specifically designed to prepare them for the profession. Admission requires minimum scores as determined by the Arkansas State Board of Education on the Praxis I; a minimum cumulative grade point average of 2.50 on all college work attempted with no grade below "C" (including work from other colleges and universities); and beginning the development of a portfolio which must include a philosophy and documented evidence of observations of young children.

During the third phase of the early childhood program, teacher candidates are placed in an appropriate environment for their internship. Admission to this phase requires a minimum grade point average of 2.50 with no grade below "C" in all courses and a satisfactory score on the licensure exam as established by the Arkansas Department of Education. Teacher candidates should make application for admission to the internship for the spring semester by October 1, or the fall semester by March 1.

¹Information regarding the Associate Degree in Early Childhood Education is listed under the School for Community Education and Professional Development.

Professors:
Bell, Clary,
Fleniken, Morgan,
P. Roach, Sheets,
D. Underwood, Womack
Associate Professors:
Carter, Rollans, C. Zimmer
Assistant Professors:
Adams, Costley, Crawford,
Leggett, Ramsey, C. Smith,
Stephenson, B. Tyler

Center for Leadership
and Learning
Associate Professors:
Gunter
Assistant Professor:
Croom, Powell, Shopfner,
S. Underwood

Middle Level Education

The Middle Childhood/Early Adolescence degree exists to provide quality preservice educational programs and services in preparation for teaching grades 4-8. The program prepares and nurtures interdisciplinary teachers who reflect content knowledge as well as facilitate creative talents.

The program is designed around a conceptual framework which organizes learning expectations and experience into manageable discipline-specific strands including: professional and pedagogical knowledge, knowledge of the student, developmentally appropriate and effective practices, knowledge of integrated disciplines, global and cultural perspectives, technology, and a liberal arts and science background. The teaching candidate entering the middle-level program must complete an integrated math/science or English/social studies curriculum.

The first phase of the middle level program is a pre-professional program and admission to this stage does not constitute approval for admission to the professional program in teacher education. Stage II is the professional phase of the preparation program. Teacher candidates must satisfactorily complete the requirements of the first stage, have a cumulative grade point average of 2.50 on all coursework, completion of English composition courses, an oral communication course, a college-level mathematics course, and completion of MLED 2002 with grades of "C" or higher. Competence in oral and written grammar will be assessed. Teacher candidates must submit scores on Praxis I (PPST) that meet or exceed the levels established by the Arkansas Department of Education.

After satisfying all of the requirements at this level, the teacher candidate will apply for internship. Admission to internship requires completion of all professional

education courses, senior standing, satisfactory completion of all prerequisites listed in the course descriptions, a minimum grade of “C” in all courses with a cumulative grade point average of 2.50, and the minimum score on the licensure examination as required by the Arkansas Department of Education.

Teacher candidates should make application for admission to the internship for the spring semester by October 1 or for the fall semester by March 1. Teacher candidates must present scores on the appropriate licensure examination as directed by the Arkansas Department of Education.

The secondary education curriculum is designed to prepare teacher candidates for teaching careers at the junior high school and senior high school levels. Teacher candidates completing the NCATE approved program in secondary education will qualify for licensure in an area appropriate to their major field. The program recognizes three important components in the education of a prospective teacher: a strong general education, an in-depth knowledge in a selected teaching field, and a knowledge of the school, adolescents, and the teaching-learning process.

The unit’s conceptual framework is Professionals for the Future. The framework emphasizes the concepts of teacher as instructional leader, reflective decision-maker, and problem solver who has knowledge of the teacher candidate, a strong content and pedagogical knowledge, a commitment to their profession, and a desire to continue their development.

Teacher candidates preparing to teach in secondary schools must complete the courses required for specialization in the appropriate curriculum, see “Curriculum in Secondary Education,” on page 110.

Teacher candidates desiring entrance to the teacher education program in secondary education should apply for admission to Stage II during the second semester of their sophomore year. Teacher candidates who are admitted to Stage II of the teacher education program for secondary teachers enroll jointly in course work for their degree specialization and course work in the Department of Curriculum and Instruction. For example, teacher candidates planning to teach mathematics enroll in the math department and the Department of Curriculum and Instruction. The requirements of both departments must be satisfied.

Teacher candidates should make application for admission to internship for the spring semester by October 1 and for the fall semester by March 1. Teacher candidates must present scores on the Praxis II specialty area test equal to or greater than the state-established level in order to be approved for internship. Any questions concerning internship placement should be addressed to the Director of Teacher Education Student Services located in Crabaugh 109.

Professional requirements for the secondary education program include SEED 2002; SEED 3554, SEED 3702, SEED 4503, SEED(VOBE) 4556, and SEED 4809 or 4909. SEED 2002, SEED 3554, SEED 3702 and SEED 4556 must be completed prior to internship. Secondary teacher education candidates enrolling in internship should register for SEED 4503 and either SEED 4809 or SEED 4909. In addition to the course requirements specified, the state also requires that the applicants for an Arkansas teaching license supply a copy of his/her score on the Praxis II (Principles of Learning and Teaching, if applicable and Specialty Area Tests) and the criminal background check as required by Act 1310. The Specialty Area Test is required for entry into internship. The Principles of Learning and Teaching, if applicable, may be completed during internship (see “Requirements for Teacher Licensure,” on page 102).

Secondary Education

Internship

Internship is the capstone of the teacher preparation program. Placements are the responsibility of the School of Education and are selected on the basis of providing the best experience available for the teacher candidate.

The assignments require full day experiences for the semester. Teacher candidates should make plans with these requirements in mind.

Praxis II

All candidates for licensure must meet minimum scores as required by Arkansas Department of Education on the Principles of Learning and Teaching, if applicable and the appropriate specialty area test.

Please refer to "Requirements for Baccalaureate Degrees," on page 70.

Curriculum in Early Childhood Education Bachelor of Science Degree

Freshman Year	
First Semester	Hours
Algebra for General Education (MATH 1103) or College Algebra (MATH 1113)	3
English Composition I (ENGL 1013) ¹	3
Science (BIOL 1014)	4
Introductory Sociology (SOC 1003) or General Psychology (PSY 2003)	3
Personal Health and Wellness (HLED 1513)	3
Total	16
Second Semester	
Mathematical Concepts I (MATH 2033)	3
English Composition II (ENGL 1023) ¹	3
Science (PHSC 1013 & 1021)	4
First Aid (PE 2513)	3
Public Speaking (SPH 2003)	3
Total	16
Sophomore Year	
First Semester	
Mathematical Concepts II (MATH 2043)	3
U.S. History (HIST 2003 or HIST 2013)	3
American Government (POLS 2003)	3
Regional Geography of the World (GEOG 2013)	3
Introduction to Early Childhood Education (ECED 2001) ²	1
Field-Based Experience Seminar in Early Childhood (ECED 2002) ²	2
Physical Activity ¹	1
Total	16
Second Semester	
Foundations of Early Childhood (ECED 3023) ²	3
Child Development (ECED 3033) ²	3
Science (GEOL 1004) or Physical Geology (GEOL 1014)	4
Fine Arts ¹	3
Integrating Instructional Technology (EDMD 3013)	3
Total	16
Junior Year	
First Semester	
Developmentally Appropriate Practice (ECED 3043) ²	3
Children and Families in a Diverse Society (ECED 3053) ²	3
History of Arkansas (HIST 4153)	3
Humanities ¹	3
Science Education in the Elementary School (BIOL 3213 or PHSC 3213)	3
Total	15

**Curriculum in Early Childhood Education
Bachelor of Science Degree**

Second Semester	
Diagnosis and Assessment of Young Children I (ECED 3162) ²	2
Guiding Young Children I (ECED 3172) ²	2
Language and Literacy I (ECED 3183) ²	3
Children's Literature I (ECED 3192) ²	2
Integrated Curriculum I (ECED 3113) ²	3
Practicum I (ECED 3122) ²	2
Methods of Teaching Mathematics (MATH 3033)	3
Total	17
Senior Year	
First Semester	
Diagnosis and Assessment of Young Children II (ECED 3262) ²	2
Guiding Young Children II (ECED 3272) ²	2
Language and Literacy II (ECED 3283) ²	3
Children's Literature II (ECED 3292) ²	2
Integrated Curriculum II (ECED 3213) ²	3
Practicum II (ECED 3222) ²	2
Physical Activity ¹	1
Total	15
Second Semester	
Early Childhood Education: Internship (ECED 4915)	15
Total	15
¹ See appropriate alternatives or substitutions in "General Education Requirements" on page 74.	
² Must be taken concurrently.	

**Curriculum in Middle Level Education
Curriculum in Mathematics and Science Licensure**

Freshman Year	Hours
English Composition (ENGL 1013, 1023) ¹	6
World Civilization (HIST 1503, 1513)	6
Principles of Biology (BIOL 1114) or Principles of Zoology (BIOL 2124)	4
Principles of Botany (BIOL 2134)	4
College Algebra (MATH 1113)	3
Plane Trigonometry (MATH 1203)	3
American Government (POLS 2003)	3
Introduction to Education (MLED 2002)	2
Total	31
Sophomore Year	
U.S. History (HIST 2003 or HIST 2013)	3
Fine Arts ¹	3
Essentials of Earth Science (GEOL 1004) or Physical Geography (GEOL 1014)	4
A Survey of Chemistry (CHEM 1114)	4
Mathematical Concepts I (MATH 2033)	3
Mathematical Concepts II (MATH 2043)	3
Speech (SPH 2003 or 3083)	3
MATH Elective ²	3
Physical Activity ¹	2
Total	28

**Curriculum in Middle Level Education
Curriculum in Mathematics and Science Licensure**

Junior Year	
Humanities ¹	3
Applied Physics (PHYS 1114)	4
Introduction to Statistical Methods (MATH 2163)	3
Calculus for Business and Economics (MATH 2243) or Calculus I (MATH 2914)	3-4
Research Foundations (MLED 3012)	2
History of Arkansas (HIST 4153)	3
Psychological Foundations for the Nature and Needs of Middle Level Students (MLED 3024)	4
Literacy Development in the Middle Grades (MLED 3034)	4
School to Home Communication (MLED 3041)	1
Tests and Educational Measurements (MLED 3062)	2
Diversity in the Classroom (MLED 3072)	2
Integrating Instructional Technology (EDMD 3013)	3
Reading Through Literature in the Middle Grades (MLED 3102)	2
Total	36-37
Senior Year	
Science Education in the Middle Level (BIOL/PHSC 3223)	3
Methods of Teaching Elementary Mathematics (MATH 3033)	3
Teaching English as a Second Language (ENGL 4703)	3
Interdisciplinary Methods (MLED 4004)	4
Guided Field Experiences (MLED 4023)	3
Student Teaching (MLED 4912)	12
Elective	1
Total	29

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.
²MATH electives may not be MATH 1103.

**Curriculum in Middle Level Education
Curriculum in English Language Arts/Social Studies Licensure**

Freshman Year	Hours
English Composition (ENGL 1013, 1023) ¹	6
World Civilization (HIST 1503, 1513)	6
Biological and Physical Sciences ¹	8
Algebra for General Education (MATH 1103) ¹	3
Mathematical Concepts I (MATH 2033)	3
Regional Geography of the World (GEOG 2013)	3
Introduction to Education (MLED 2002)	2
Physical Activity ¹	2
Total	33
Sophomore Year	
U.S. History to 1865 (HIST 2003)	3
U.S. History from 1865 (HIST 2013)	3
Fine Arts ¹	3
Humanities ¹	3
Essentials of Earth Science (GEOL 1004) or Physical Geography (GEOL 1014)	4
Speech (SPH 2003 or 3083)	3
American Government (POLS 2003)	3
Introduction to Creative Writing (ENGL 2043)	3
Principles of Economics I (ECON 2003)	3
Total	28

Curriculum in Middle Level Education
Curriculum in English Language Arts/Social Studies Licensure

Junior Year	
Teaching English as a Second Language (ENGL 4703)	3
Advanced Composition: Practice and Theory (ENGL 3043)	3
History Elective (3000-4000 level)	3
Sources and Methods in History (HIST 2513)	3
Research Foundations (MLED 3012)	2
Psychological Foundations for the Nature and Needs of Middle Level Students (MLED 3024)	4
Literacy Development in the Middle Grades (MLED 3034)	4
School to Home Communication (MLED 3041)	1
Tests and Educational Measurements (MLED 3062)	2
Diversity in the Classroom (MLED 3072)	2
Integrating Instructional Technology (EDMD 3013)	3
Reading Through Literature in the Middle Grades (MLED 3102)	2
Total	32
Senior Year	
Systems of Grammar (ENGL 3013)	3
Modern American Literature (ENGL 3323)	3
History of Arkansas (HIST 4153)	3
Interdisciplinary Methods (MLED 4004)	4
Guided Field Experiences (MLED 4023)	3
Student Teaching (MLED 4912)	12
Elective	3
Total	31

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²MATH electives may not be MATH 1103 or MATH 3033.

CURRICULUM IN SECONDARY EDUCATION

Curriculum in Art For Teacher Licensure^{1,2,3}

	Hours
Freshman Year	
English Composition I, II(ENGL 1013, 1023) ²	6
Social Sciences ²	3
Science ²	8
Art History I, World (ART 2103)	3
Introduction to Drawing (ART 1303)	3
Two-dimensional Design (ART 1403)	3
Introduction to Graphic Design (Art 1503)	3
Color Design (ART 2403)	3
Total	32
Sophomore Year	
Algebra for General Education (MATH 1103) ²	3
Figure Drawing (ART 2303)	3
Art Elective	3
Art History II, World (ART 2113)	3
Introduction to Secondary Education (SEED 2002)	2
Three-dimensional Design (ART 2413)	3
Introduction to Ceramics (ART 3603)	3
Fine Arts ²	3
Painting (ART 2503 or 3533)	3
Physical Activity ²	2
Social Sciences ²	6
Total	34
Junior Year	
Humanities ²	3
Social Sciences ²	3
Speech (SPH 2003 or 3083)	3
Art History (3000-4000 level)	3
Concepts in Art Education (ART 3003)	3
Art Education Practicum (ART 3013)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Introduction to Educational Technology (SEED 3702)	2
Introduction to Printmaking (ART 3803)	3
Introduction to Sculpture (ART 2703)	3
Total	30
Senior Year	
Art Criticism and Aesthetics (ART 4823)	3
Art Electives (3000-4000 level)	6
Special Methods in Art (ART 4701)	1
Classroom Application of Educational Psychology (SEED 4556)	6
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Elementary and Secondary School (SEED 4809)	9
Total	28

¹See major and general education statements under Art.

²See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

³For 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.

Curriculum in Business Education For Teacher Licensure³

Freshman Year	Fall	Spring
English Composition I, II (ENGL 1013, 1023) ¹	3	3
Science ¹	4	4
Introduction to Computer Based Systems (COMS 1003)	3	
Keyboarding II (BUAD 2002)	2	
College Algebra (MATH 1113) ²	3	
Calculus for Business and Economics (MATH 2243)		3
American Government (POLS 2003)		3
Principles of Word Processing (BUAD 2043)		3
Physical Activity ¹	1	
Total	16	16
Sophomore Year		
Communication and the Classroom Teacher (SPH 3083)	3	
Business Statistics (BUAD 2053)		3
Introduction to Secondary Education (SEED 2002)	2	
Management Productivity Tools (MGMT 2013)		3
Legal Environment of Business (BUAD 2033)	3	
U. S. History (HIST 2003 or 2013) ¹		3
Accounting Principles (ACCT 2003, 2013)	3	3
Principles of Economics (ECON 2003, 2013)	3	3
Physical Activity ¹	1	1
Total	15	16
Junior Year		
Fine Arts/Humanities ¹	3	3
Business Communications (BUAD 3023)	3	
Adolescent Development and Exceptionalities (SEED 3554)		4
Introduction to Educational Technology (SEED 3702)	2	
Management and Organizational Behavior (MGMT 3003)	3	
Personal Health and Wellness (HLED 1513)		3
Principles of Marketing (MKT 3043)	3	
Production Management (MGMT 3103)		3
Cultural Anthropology (ANTH 2003)	3	
Methods of Vocational Business Education (VOBE 4023)		3
Total	17	16
Senior Year		
Business Finance (FIN 3063)	3	
Classroom Application of Educational Psychology (SEED 4556)	6	
Management Information Systems (MGMT 4013)	3	
Business Policy (MGMT 4083)	3	
Special Methods in Vocational Business (VOBE 4701)		1
Teaching in the Elementary and Secondary School/ Teaching in the Secondary School (SEED 4809/4909)		9
Seminar in Secondary Education (SEED 4503)		3
Total	15	13

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²Students who have two years of high school algebra with a grade of "C" or better and a math ACT score of 22 or above may omit College Algebra and enroll directly in Math 2243, Calculus for Business and Economics. If omitted, an additional 3 hours of electives will be required.

³For teacher 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.

Curriculum in Creative Writing For Teacher Licensure²

Freshman Year	Hours
English Composition (ENGL 1013, 1023) ¹	6
Science ¹	4
Social Sciences ¹	6
Public Speaking (SPH 2003) or Communication and the Classroom Teacher (SPH 3083)	3
Algebra for General Education (MATH 1103) ¹	3
Physical Activity ¹	2
Beginning Foreign Language I and II ⁴	8
Total	32
Sophomore Year	
Science ¹	4
Social Sciences ¹	6
Introduction to World Literature (ENGL 2003)	3
Fine Arts ¹	3
Introduction to Creative Writing (ENGL 2043)	3
Advanced Composition (ENGL 2063)	3
Practicum: Literary Journal Publication (ENGL 2881) ³	1
Intermediate Foreign Language I ⁴	4
Introduction to Linguistics (ENGL 3023)	3
Introduction to Secondary Education (SEED 2002)	2
Total	32
Junior Year	
Systems of Grammar (ENGL 3013)	3
Modern American Literature (ENGL 3323)	3
Fiction Workshop (ENGL 3083)	3
Poetry Workshop (ENGL 3093)	3
American Literature to 1900 (ENGL 3313)	3
British Literature to 1800 (ENGL 3413)	3
British Literature since 1800 (ENGL 3423)	3
English Electives ⁵	3
Practicum: Literary Journal Publication (ENGL 2881) ³	1
Integrating Instructional Technology (EDMD 3013)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Total	32
Senior Year	
Seminar in Creative Writing (ENGL 4093)	3
Senior Project in Creative Writing (ENGL 4813)	3
Teaching English in the Secondary School (ENGL 4733)	3
Practicum: Literary Journal Publication (ENGL 2881) or Practicum: Editing Literary Journal (ENGL 4881) ³	1
Classroom Application of Educational Psychology (SEED 4556)	6
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Secondary School (SEED 4909)	9
Total	28

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²For 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.

³Students must complete a minimum of three semester hours and may complete a maximum of nine semester hours selected from ENGL 2881 and/or ENGL 4881-4. No more than five semester hours may be ENGL 2881 and no more than six semester hours may be ENGL 4881-4.

⁴All minimum college hours (at least three semesters) should be in one language. Students with previous study in a foreign language should refer to Foreign Language Advanced Placement and Credit under Credit by Examination.

⁵Any 2-4000 level English courses excluding English 2003, 2013, 2113, 2173, 2881, and 4881-4.

Curriculum in English For Teacher Licensure³

Freshman Year	Hours
English Composition (ENGL 1013, 1023) ¹	6
Science ¹	8
Social Sciences ¹	6
Algebra for General Education (MATH 1103) ¹	3
Physical Activity ¹	2
Beginning Language I and II ⁴	8
Total	33
Sophomore Year	
Social Sciences ¹	6
Advanced Composition (ENGL 2063)	3
Fine Arts ¹	3
Intermediate Foreign Language I ⁴	4
English Electives ²	6
Introduction to Secondary Education (SEED 2002)	2
Introduction to Linguistics (ENGL 3023)	3
Introduction to World Literature (ENGL 2003)	3
Total	30
Junior Year	
Systems of Grammar (ENGL 3013)	3
American Literature to 1900 (ENGL 3313)	3
Modern American Literature (ENGL 3323)	3
British Literature to 1800 (ENGL 3413)	3
British Literature since 1800 (ENGL 3423)	3
Public Speaking (SPH 2003) or Communication and the Classroom Teacher (SPH 3083)	3
Integrating Instructional Technology (EDMD 3013)	3
English Elective ²	3
English Elective (3000-4000 level)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Total	31
Senior Year	
History of the English Language (ENGL 4013)	3
Teaching English in the Secondary School (ENGL 4733)	3
Classroom Application of Educational Psychology (SEED 4556)	6
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Secondary School (SEED 4909)	9
Electives	6
Total	30

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²Any 2-4000 level English courses excluding English 2003, 2013, 2173, 2881 and 4881-4.

³For licensure, students must achieve the minimum score on the Praxis II Specialty Area and Principles of Learning and Teaching as determined by the Arkansas Department of Education.

⁴All minimum college hours (at least three semesters) should be in one language. Students with previous study in a foreign language should refer to Foreign Language Advanced Placement and Credit under Credit by Examination.

Curriculum in Foreign Language with Concentration in French, German, or Spanish For Teacher Licensure^{2,5}

Freshman Year	Hours
English Composition (ENGL 1013, 1023) ¹	6
Science ¹	8
Social Sciences ¹	6
Algebra for General Education (MATH 1103) ¹	3
Intermediate Language I, II (FR, GER, or SPAN 2014, 2024) ^{2,3}	8
Total	31
Sophomore Year	
Conversation and Composition I and II (FR, GER, or SPAN 3003 and 3013)	6
Introduction to Linguistics (FR, GER, or SPAN 3023)	3
Introduction to Secondary Education (SEED 2002)	2
American Government (POLS 2003)	3
Physical Activity ¹	2
Public Speaking (SPH 2003) or Communication and the Classroom Teacher (SPH 3083)	3
Cultural Anthropology (ANTH 2003)	3
Electives ⁴	9
Total	31
Junior Year	
Fine Arts (ART 2123 or MUS 2003, or TH 2273) ¹	3
Humanities (ENGL 2003 or ENGL 2013)	3
Culture and Civilization (FR, GER 3113, SPAN 3123 or 3133)	3
Advanced Grammar and Usage (FR, GER, SPAN 3213)	3
Short Story (FR, GER, SPAN 3223)	3
Foreign Language Literature (FR, GER, or SPAN 4213)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Introduction to Educational Technology (SEED 3702)	2
Electives ⁴	6
Total	30
Senior Year	
Foreign Language Elective (must be 3000 or 4000 level)	3
Foreign Language Literature (FR, GER, or SPAN 4223)	3
Classroom Application of Educational Psychology (SEED 4556)	6
Foreign Language Pedagogy (FR, GER, SPAN 4701)	1
Foreign Language Teaching Methods (FR, GER, or SPAN 4703)	3
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Secondary School (SEED 4909)	9
Electives ⁴	4
Total	32

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²Students with previous study in a foreign language should refer to Foreign Language Advanced Placement and Credit under Credit by Examination.

³Lab attendance is required for beginning and intermediate foreign language courses.

⁴At least 40 of the total hours required for graduation must be 3000 or 4000 level.

⁵For licensure, students must achieve the minimum score on the Praxis II and Teaching Tests as determined by the Arkansas Department of Education.

Curriculum in History and Political Science For Teacher Licensure³

Freshman Year	Hours
English Composition (ENGL 1013, 1023) ¹	6
World Civilization (HIST 1503, 1513)	6
Science (BIOL 1014, PHSC 1013, 1021) ¹	8
Mathematics (MATH 1103 or 1113) ¹	3
Physical Activity ¹	2
Regional Geography of the World (GEOG 2013)	3
Personal Health and Wellness (HLED 1513)	3
Total	31
Sophomore Year	
U.S. History to 1865 (HIST 2003)	3
U.S. History since 1865 (HIST 2013)	3
American Government (POLS 2003)	3
Sources and Methods in History (HIST 2513) or Sources and Methods in Political Science (POLS 2513)	3
Geography Elective	3
Cultural Anthropology (ANTH 2003)	3
Principles of Economics I (ECON 2003)	3
Introduction to Secondary Education (SEED 2002)	2
Speech (SPH 2003 or 3083)	3
Physical Activity ¹	1
Electives	3
Total	30
Junior Year	
Humanities (PHIL 2003)	3
Fine Arts ¹	3
History/Political Science Electives (3000-4000 level) ²	6
History of Arkansas (HIST 4153)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Introduction to Educational Technology (SEED 3702)	2
American State and Local Government (POLS 3033)	3
Electives	9
Total	33
Senior Year	
Senior Seminar (HIST 4963 or POLS 4963)	3
History/Political Science Electives (3000-4000 level) ²	6
Classroom Application of Educational Psychology (SEED 4556)	6
Social Studies Methods for Secondary Teachers (HIST 4713)	3
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Secondary School (SEED 4909)	9
Total	30

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²Twelve hours of history must be in U.S. History, including HIST 2003 and HIST 4153.

³For 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.

Curriculum in Mathematics For Teacher Licensure²

Freshman Year	Hours
English/Composition (ENGL 1013, 1023) ¹	6
Social Science ¹	6
Calculus I, II (MATH 2914, 2924)	8
Personal Health and Wellness (HLED 1513)	3
Physical Activity ¹	2
Foundations of Computer Programming I (COMS 2104)	4
Biological Science with lab ¹	4
Total	33
Sophomore Year	
Cultural Anthropology (ANTH 2003)	3
Calculus III (MATH 2934)	4
Discrete Mathematics (MATH 2703)	3
Foundations of Number Systems (MATH 3003)	3
Fine Arts/Humanities ¹	6
Social Sciences ¹	3
Introduction to Secondary Education (SEED 2002)	2
General Physics I, II (PHYS 2114, 2124)	8
Total	32
Junior Year	
Differential Equations I (MATH 3243)	3
Introduction to Analysis (MATH 3203)	3
College Geometry (MATH 3123)	3
Math Modeling I (MATH 3163)	3
Special Methods in Mathematics (MATH 4703)	3
Speech (SPH 2003 or 3083)	3
Linear Algebra I (MATH 4003)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Introduction to Educational Technology (SEED 3702)	2
Electives	3
Total	30
Senior Year	
Abstract Algebra I (MATH 4033)	3
Applied Statistics I (MATH 3153)	3
History of Mathematics (MATH 4113)	3
Classroom Application of Educational Psychology (SEED 4556)	6
Teaching Practicum (MATH 4772)	2
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Secondary School (SEED 4909)	9
Total	29

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.
²For licensure, students must achieve the minimum score on the Praxis II Area and Principles of Learning and Teaching Tests as determined by the Arkansas Department of Education.

**Curriculum in Music Education For Teacher Licensure⁴
(Instrumental Music Option)**

	Hours
Freshman Year	
Recital Attendance (MUS 1000) ¹	0
Theory I, II (MUS 1713, 1723)	6
Ear Training I, II (MUS 1731, 1741)	2
Class Piano I, II (MUS 1441) ^{1,3} or Piano (MUS 1201) ^{1,3}	0-2
Applied Music (MUS 1__2) ¹	4
Band (1501) ¹	2
Class Voice (MUS 2441)	1
English Composition I, II (ENGL1013, 1023) ²	6
Algebra for General Education (MATH 1103) ²	3
Science ²	4
Total	30
Sophomore Year	
Recital Attendance (MUS 1000) ¹	0
Theory III, IV (MUS 2713, 2723)	6
Ear Training III, IV (MUS 2731, 2741)	2
Class Piano III, IV (MUS 1441) ^{1,3} or Piano (MUS 1201) ^{1,3}	0-2
Applied Music (MUS 1__2) ¹	4
Band (1501) ¹	2
Brass Instruments (MUS 3401)	1
Stringed Instruments (MUS 3481)	1
Science ²	4
Physical Activity ²	2
Social Sciences ²	3
Public Speaking (SPH 2003) or Communication and the Classroom Teacher (SPH 3083)	3
Introduction to Secondary Education (SEED 2002)	2
Total	32
Junior Year	
Recital Attendance (MUS 3000) ¹	0
Applied Music (MUS 3__2) ^{1,5}	4
Band (MUS 3501) ¹	2
History of Music I, II (MUS 3773, 3783)	6
Principles of Conducting (MUS 3802)	2
Form Analysis (MUS 4712)	2
Instrumental and Choral Arranging (MUS 3762)	2
Secondary Instrumental Methods and Materials I (MUS 3281)	1
Music Educational Technology (MUS 3702)	2
Woodwind Instruments (MUS 3421, 3431)	2
Percussion Instruments (MUS 4461)	1
Social Science ²	6
Total	30
Senior Year	
Applied Music (MUS 3__2) ⁵	2
Senior Recital (MUS 4001)	1
Band (MUS 3501)	1
History of Music III (MUS 3692)	2
Music in the Elementary Classroom (MUS 3853)	3
Special Methods in Music (MUS 4701)	1
Secondary Instrumental Methods and Materials II (MUS 4281)	1
Social Science ²	3
Humanities ²	3

Curriculum in Music Education For Teacher Licensure⁴ (Instrumental Music Option)

Fine Arts ²	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Educational Psychology (SEED 4556)	6
Total	30
Senior 9th Semester	
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Elementary and Secondary School (PK-12) (SEED 4809)	9
Total	12

¹This course will be taken every semester.

²See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

³Students demonstrating acceptable proficiency may be exempted from the piano requirement.

⁴For licensure, students must pass the Praxis II speciality area exams and Principles of Learning and Teaching.

⁵Successful completion of Sophomore Barrier Exam required for enrollment in 3000 level applied music for two hour credit.

Curriculum in Music Education For Teacher Licensure ⁴ (Vocal Music Option)

Freshman Year	Hours
Recital Attendance (MUS 1000) ¹	0
Theory I, II (MUS 1713, 1723)	6
Ear Training I, II (MUS 1731, 1741)	2
Class Piano I, II (MUS 1441) ^{1,3} or Piano (MUS 1201) ^{1,3}	0-2
Applied Music (MUS 1232) ¹	4
University Choir (MUS 1571) ¹ or Concert Chorale (MUS 1681) ¹	2
Italian Diction (MUS 1241)	1
English Composition I, II (ENGL1013, 1023) ²	6
Algebra for General Education (MATH 1103) ¹	3
Social Science ²	3
Physical Activity ²	1
Total	28-30
Sophomore Year	
Recital Attendance (MUS 1000) ¹	0
Theory III, IV (MUS 2713, 2723)	6
Ear Training III, IV (MUS 2731, 2741)	2
Class Piano III, IV (MUS 1441) ^{1,3} or Piano (MUS 1201) ¹	0-2
Applied Music (MUS 1232) ¹	4
University Choir (MUS 1571) ¹ or Concert Chorale (MUS 1681) ¹	2
German Diction (MUS 2241)	1
French Diction (MUS 2251)	1
Science ²	8
Physical Activity ²	1
Introduction to Secondary Education (SEED 2002)	2
Total	27-29
Junior Year	
Recital Attendance (MUS 3000) ¹	0
Applied Music (MUS 3232) ^{1,5}	4
University Choir (MUS 3571) ¹ or Concert Chorale (MUS 3681) ¹	2
History of Music I, II (MUS 3773, 3783)	6
Principles of Conducting (MUS 3802)	2
Form Analysis (MUS 4712)	2
Instrumental and Choral Arranging (MUS 3762)	2

**Curriculum in Music Education For Teacher Licensure ⁴
(Vocal Music Option)**

Secondary Choral Methods and Materials I, II (MUS 3821, 4821)	2
Music Educational Technology (MUS 3702)	2
Public Speaking (SPH 2003) or Communication and the Classroom Teacher (SPH 3083)	3
Social Science ²	6
Total	31
Senior Year	
Applied Music (MUS 3232) ⁵	2
University Choir (MUS 3571) or Concert Chorale (MUS 3681)	1
History of Music III (MUS 3692)	2
Senior Recital (MUS 4001)	1
Music in the Elementary Classroom (MUS 3853)	3
Special Methods in Music (MUS 4701)	1
Vocal Solo Literature and Pedagogy (MUS 4832)	2
Instrumental Concepts (MUS 3441)	1
Adolescent Development and Exceptionalities (SEED 3554)	4
Educational Psychology (SEED 4556)	6
Social Science ²	3
Fine Arts ²	3
Humanities ²	3
Total	32
Senior 9th Semester	
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Elementary and Secondary School (PK-12) (SEED 4809)	9
Total	12

¹This course will be taken every semester.

²See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

³Students demonstrating acceptable proficiency may be exempted from the piano requirement.

⁴For licensure, students must pass the Praxis II speciality area exams and Principles of Learning and Teaching.

⁵Successful completion of Sophomore Barrier Exam required for enrollment in 3000 level applied music for two hour credit.

**Curriculum in Music Education for Teacher Licensure⁴
(Keyboard Instrumental Music Option)**

Freshman Year	
Recital Attendance (MUS 1000) ¹	0
Theory I, II (MUS 1713, 1723)	6
Ear Training I, II (MUS 1731, 1741)	2
Applied Music (MUS 1202) ¹	4
Band (MUS 1501) ¹	2
Class Voice (MUS 2441)	1
Accompanying Seminar (MUS 2201)	1
English Composition I, II (ENGL 1013, 1023) ²	6
Algebra for General Education (MATH 1103) ²	3
Science ²	4
Physical Activity ²	1
Total	30
Sophomore Year	
Recital Attendance (MUS 1000) ¹	0
Applied Music (MUS 1202) ¹	4
Band (MUS 1501) ¹	2
Brass Instrument (MUS 3401)	1
Theory III, IV (MUS 2713, 2723)	6

**Curriculum in Music Education for Teacher Licensure⁴
(Keyboard Instrumental Music Option)**

Ear Training III, IV (MUS 2731, 2741)	2
Accompanying Seminar (MUS 2201)	1
Stringed Instruments (MUS 3481)	1
Science ²	4
Public Speaking (SPH 2003) or Communication and the Classroom Teacher (SPH 3083)	3
Introduction to Secondary Education (SEED 2002)	2
Physical Activity ²	1
Social Science ²	3
Total	30
Junior Year	
Recital Attendance (MUS 3000) ¹	0
Applied Music (MUS 3202) ^{1,5}	4
Band (MUS 3501) ¹	2
History of Music I, II (MUS 3773, 3783)	6
Principles of Conducting (MUS 3802)	2
Form Analysis (MUS 4712)	2
Woodwind Instruments (MUS 3421, 3431)	2
Percussion Instruments (MUS 4461)	1
Music Educational Technology (MUS 3702)	2
Secondary Instrumental Methods and Materials I (MUS 3281)	1
Social Science ²	6
Fine Arts ²	3
Total	31
Senior Year	
Applied Music (MUS 3202) ⁵	2
Band (MUS 3501) ¹	1
History of Music III (MUS 3692)	2
Music in the Elementary Classroom (MUS 3853)	3
Senior Recital (MUS 4001)	1
Instrumental and Choral Arranging (MUS 3762)	2
Secondary Instrumental Methods and Materials II (MUS 4281)	1
Piano Pedagogy (MUS 3442)	2
Special Methods in Music (MUS 4701)	1
Social Science ²	3
Humanities ²	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Educational Psychology (SEED 4556)	6
Total	31
Senior 9th Semester	
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Elementary and Secondary School (PK-12) (SEED 4809)	9
Total	12

¹This course will be taken every semester.

²See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

³Students demonstrating acceptable proficiency may be exempted from the piano requirement.

⁴For licensure, students must pass the Praxis II speciality area exams and Principles of Learning and Teaching.

⁵Successful completion of Sophomore Barrier Exam required for enrollment in 3000 level applied music for two hour credit.

**Curriculum in Music Education for Teacher Licensure⁴
(Keyboard Vocal Music Option)**

Freshman Year	
Recital Attendance (MUS 1000) ¹	0
Applied Music (MUS 1202) ¹	4
Class Voice (MUS 2441)	1
Applied Voice (MUS 1231) ¹	1
University Choir (MUS 1571) ¹ or Concert Chorale (MUS 1681) ¹	2
Theory I, II (MUS 1713, 1723)	6
Ear Training I, II (MUS 1731, 1741)	2
Accompanying Seminar (MUS 2201)	1
English Composition I, II (ENGL 1013, 1023) ²	6
Algebra for General Education (MATH 1103) ²	3
Science ²	4
Physical Activity ²	1
Total	31
Sophomore Year	
Recital Attendance (MUS 1000) ¹	0
Applied Music (MUS 1202) ¹	4
Applied Voice (MUS 1231) ¹	2
University Choir (MUS 1571) ¹ or Concert Chorale (MUS 1681) ¹	2
Theory III, IV (MUS 2713, 2723)	6
Ear Training III, IV (MUS 2731, 2741)	2
Accompanying Seminar (MUS 2201)	1
Science ²	4
Social Science ²	3
Physical Activity ²	1
Public Speaking (SPH 2003) or Communication and the Classroom Teacher (SPH 3083)	3
Introduction to Secondary Education (SEED 2002)	2
Total	30
Junior Year	
Recital Attendance (MUS 3000) ¹	0
Applied Music (MUS 3202) ^{1,5}	4
Applied Voice (MUS 1231) ¹	1
University Choir (MUS 3571) ¹ or Concert Chorale (MUS 3681) ¹	2
History of Music I, II (MUS 3773, 3783)	6
Principles of Conducting (MUS 3802)	2
Secondary Choral Methods and Materials I, II (MUS 3821, 4821)	2
Form Analysis (MUS 4712)	2
Music Educational Technology (MUS 3702)	2
Fine Arts ²	3
Social Science ²	6
Total	30
Senior Year	
Instrumental and Choral Arranging (MUS 3762)	2
History of Music III (MUS 3692)	2
Music in the Elementary Classroom II (MUS 3853)	3
Applied Music (MUS 3202) ⁵	2
Senior Recital (MUS 4001)	1
University Choir (MUS 3571) ¹ or Concert Chorale (MUS 3681) ¹	1
Piano Pedagogy (MUS 3442)	2
Special Methods in Music (MUS 4701)	1
Instrumental Concepts MUS 3441)	1

Curriculum in Music Education for Teacher Licensure⁴ (Keyboard Vocal Music Option)

Social Science ²	3
Humanities ²	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Educational Psychology (SEED 4556)	6
Total	31
Senior 9th Semester	
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Elementary and Secondary School (PK-12) (SEED 4809)	9
Total	12

¹This course will be taken every semester.

²See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

³Students demonstrating acceptable proficiency may be exempted from the piano requirement.

⁴For licensure, students must pass the Praxis II speciality area exams and Principles of Learning and Teaching.

⁵Successful completion of Sophomore Barrier Exam required for enrollment in 3000 level applied music for two hour credit.

Curriculum in Life Science and Earth Science For Teacher Licensure¹

Freshman Year	Hours
General Chemistry (CHEM 2124, 2134)	8
Principles of Biology (BIOL 1114)	4
Principles of Zoology (BIOL 2124)	4
English Composition (ENGL 1013, 1023) ²	6
Personal Health and Wellness (HLED 1513)	3
College Algebra (MATH 1113)	3
U.S. History to 1865 (HIST 2003) or U.S. History from 1865 (HIST 2013)	3
Physical Activity ²	2
Total	33
Sophomore Year	
Principles of Botany (BIOL 2134)	4
Principles of Ecology (BIOL 3114)	4
Physical Geology (GEOL 1014)	4
Physical Principles (PHYS 2014, 2024)	8
Mathematics ³	3
American Government (POLS 2003)	3
Cultural Anthropology (ANTH 2003)	3
Introduction to Secondary Education (SEED 2002)	2
Total	31
Junior Year	
Fundamentals of Organic Chemistry (CHEM 3254)	4
Genetics (BIOL 3034)	4
General Physiology (BIOL 3124)	4
Meteorology (PHSC 3033)	3
Astronomy (PHSC 3053)	3
Calculus (MATH 2243 or equivalent calculus course)	3
Fine Arts/Humanities ²	3
Social Sciences ²	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Introduction to Educational Technology (SEED 3702)	2
Total	33

Curriculum in Life Science and Earth Science For Teacher Licensure¹

Senior Year	
Science Education in the Secondary School (BIOL 3233)	3
Cell Biology (BIOL 4033)	3
Biology Seminar (BIOL 4891)	1
Special Methods in Biology (BIOL 4701)	1
Fine Arts/Humanities ²	3
Speech (SPH 2003 or 3083)	3
Seminar in Secondary Education (SEED 4503)	3
Classroom Application of Educational Psychology (SEED 4556)	6
Teaching in the Secondary School (SEED 4909)	9
Total	32

¹For licensure, students must achieve the minimum score on the Praxis Programs Specialty Area and Principles of Learning and Teaching Tests as determined by the Arkansas Department of Education.

²See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

³Must be above MATH 1113 and statistics (MATH 2163 or equivalent) or trigonometry (MATH 1203) are suggested.

Curriculum in Physical Science and Earth Science For Teacher Licensure (Chemistry Option)²

	Hours
Freshman Year	
Orientation to Physical Sciences (PHSC 1001)	1
English Composition (ENGL 1013, 1023) ¹	6
College Algebra (MATH 1113) or Precalculus (MATH 1913)	3
Physical Activity ¹	2
Introduction to Biological Science (BIOL 1014)	4
Biology Electives	4
General Chemistry (CHEM 2124, 2134)	8
Calculus I (MATH 2914)	4
Total	32
Sophomore Year	
Calculus II (MATH 2924)	4
U.S. History to 1865 (HIST 2003) or U.S. History from 1865 (HIST 2013)	3
Physical Activity ¹	1
Computer Science (COMS 2003 or 2803)	3
Physical Geology (GEOL 1014)	4
Introduction to Secondary Education (SEED 2002)	2
Communication and the Classroom Teacher (SPH 3083)	3
Fundamentals of Organic Chemistry (CHEM 3254)	4
Quantitative Analysis (CHEM 3245)	5
Personal Health and Wellness (HLED 1513)	3
Total	32
Junior Year	
Social Sciences ¹	3
Physical Principles (PHYS 2014, 2024)	8
Environmental Chemistry (CHEM 2143)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Introduction to Educational Technology (SEED 3702)	2
Cultural Anthropology (ANTH 2003)	3
Astronomy (PHSC 3053)	3
Meteorology (PHSC 3033)	3
Total	29

Curriculum in Physical Science and Earth Science For Teacher Licensure (Chemistry Option)²

Senior Year	
American Government (POLS 2003)	3
Fine Arts/Humanities ¹	6
Classroom Application of Educational Psychology (SEED 4556)	6
Principles of Biochemistry (CHEM 3343)	3
Science Education in the Secondary School (PHSC 3233)	3
Special Methods in Physical Science (PHSC 4701)	1
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Secondary School (SEED 4909)	9
Total	34

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²For 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.

Curriculum in Physical Science and Earth Science For Teacher Licensure (Geology Option)²

Freshman Year		Hours
Orientation to Physical Science (PHSC 1001)		1
English Composition (ENGL 1013, 1023) ¹		6
College Algebra (MATH 1113) or Precalculus (MATH 1913)		3
Physical Activity ¹		2
Introduction to Biological Science (BIOL 1014)		4
General Chemistry (CHEM 2124, 2134)		8
Trigonometry (MATH 1203)		3
Physical Geology (GEOL 1014)		4
Personal Health and Wellness (HLED 1513)		3
Total		34
Sophomore Year		
Social Science ¹		3
U.S. History to 1865 (HIST 2003) or U.S. History from 1865 (HIST 2013)		3
Physical Activity ¹		1
Introduction to Secondary Education (SEED 2002)		2
Communication and the Classroom Teacher (SPH 3083)		3
Historical Geology (GEOL 2024)		4
Calculus for Business and Economics (MATH 2243)		3
Mineralogy (GEOL 3014)		4
Microcomputer Applications (COMS 2003)		3
American Government (POLS 2003)		3
Fine Arts ¹		3
Total		32
Junior Year		
Structural Geology (GEOL 3004)		4
Petrology (GEOL 3164)		4
Humanities ¹		3
Adolescent Development and Exceptionalities (SEED 3554)		4
Introduction to Educational Technology (SEED 3702)		2
Astronomy (PHSC 3053)		3
Meteorology (PHSC 3033)		3
Physical Principles (PHYS 2014, 2024)		8
Total		31

Curriculum in Physical Science and Earth Science For Teacher Licensure (Geology Option)²

Senior Year	
Classroom Application of Educational Psychology (SEED 4556)	6
Cultural Anthropology (ANTH 2003)	3
Fundamentals of Organic Chemistry (CHEM 3254), Modern Physics (PHYS 3213) or upper level Physics elective	3 - 4
Science Education in the Secondary School (PHSC 3233)	3
Environmental Geology (GEOL 3153)	3
Special Methods in Physical Science (PHSC 4701)	1
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Secondary School (SEED 4909)	9
Total	31-32

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²For 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.

Curriculum in Physical Science and Earth Science For Teacher Licensure (General Option)²

	Hours
Freshman Year	
Orientation to Physical Sciences (PHSC 1001)	1
English Composition (ENGL 1013, 1023) ¹	6
College Algebra (MATH 1113)	3
Physical Activity ¹	2
General Chemistry (CHEM 2124, 2134)	8
Trigonometry (MATH 1203)	3
Physical Geology (GEOL 1014)	4
Introduction to Biological Sciences (BIOL 1014)	4
Personal Health and Wellness (HLED 1513)	3
Total	34
Sophomore Year	
Social Science ¹	3
U.S. History to 1865 (HIST 2003) or U.S. History from 1865 (HIST 2013)	3
Physical Activity ¹	1
Introduction to Secondary Education (SEED 2002)	2
Communication and the Classroom Teacher (SPH 3083)	3
Calculus I (MATH 2914)	4
General Physics (PHYS 2114, 2124)	8
American Government (POLS 2003)	3
Historical Geology (GEOL 2024)	4
Elective	1
Total	32
Junior Year	
Calculus II (MATH 2924)	4
Environmental Geology (GEOL 3153)	3
Fundamentals of Organic Chemistry (CHEM 3254)	4
Modern Physics (PHYS 3213)	3
Physics Elective	1
Computer Science (COMS 2003 or 2803)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Introduction to Educational Technology (SEED 3702)	2
Astronomy (PHSC 3053)	3
Fine Arts/Humanities ¹	3

**Curriculum in Physical Science and Earth Science
For Teacher Licensure (General Option)²**

	Total	30
Senior Year		
Fine Arts/Humanities ¹		3
Meteorology (PHSC 3033)		3
Classroom Application of Educational Psychology (SEED 4556)		6
Cultural Anthropology (ANTH 2003)		3
Science Education in the Secondary School (PHSC 3233)		3
Special Methods in Physical Science (PHSC 4701)		1
Seminar in Secondary Education (SEED 4503)		3
Teaching in the Secondary School (SEED 4909)		9
Total		31

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²For 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.

**Curriculum in Physical Science and Earth Science
For Teacher Licensure (Physics Option)²**

	Hours
Freshman Year	
Orientation to Physical Sciences (PHSC 1001)	1
English Composition (ENGL 1013, 1023) ¹	6
Physical Activity ¹	1
College Algebra (MATH 1113) or Precalculus (MATH 1913)	3
General Chemistry (CHEM 2124, 2134)	8
Calculus I (MATH 2914)	4
Introduction to Biological Sciences (BIOL 1014)	4
U.S. History to 1865 (HIST 2003) or U.S. History from 1865 (HIST 2013)	3
Personal Health and Wellness (HLED 1513)	3
Total	33
Sophomore Year	
Social Science ¹	3
Cultural Anthropology (ANTH 2003)	3
Physical Activity ¹	2
Introduction to Secondary Education (SEED 2002)	2
Communication and the Classroom Teacher (SPH 3083)	3
Calculus II (MATH 2924)	4
Calculus III (MATH 2934)	4
General Physics (PHYS 2114, 2124)	8
American Government (POLS 2003)	3
Total	32
Junior Year	
Fine Arts/Humanities ¹	3
Physical Geology (GEOL 1014)	4
Computer Science (COMS 2003 or 2803)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Introduction to Educational Technology (SEED 3702)	2
Differential Equations (MATH 3243)	3
Modern Physics (PHYS 3213)	3
Mechanics (PHYS 3023)	3
Electricity and Magnetism (PHYS 3133)	3
Electric Circuits I (ELEG 2103)	3
Total	31

Curriculum in Physical Science and Earth Science For Teacher Licensure (Physics Option)²

Senior Year	
Fine Arts/Humanities ¹	3
Classroom Application of Educational Psychology (SEED 4556)	6
Science Education in the Secondary School (PHSC 3233)	3
Meteorology (PHSC 3033)	3
Astronomy (PHSC 3053)	3
Special Methods in Physical Science (PHSC 4701)	1
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Secondary School (SEED 4909)	9
Total	31

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²For licensure, students must achieve the minimum score on the Praxis II Specialty Area and Principles and Learning and Teaching Tests as determined by the Arkansas Department of Education.

Curriculum in Speech For Teacher Licensure²

	Hours
Freshman Year	
English Composition (ENGL 1013, 1023) ¹	6
World Civilization (HIST 1503, 1513)	6
Science ¹	8
Algebra for General Education (MATH 1103) ¹	3
Public Speaking (SPH 2003)	3
Physical Activity ¹	2
Introduction to Speech – Communication (SPH 1003)	3
Total	31
Sophomore Year	
Personal Health and Wellness (HLED 1513)	3
Electives	9
Physical Activity ¹	1
American Government (POLS 2003)	3
Voice and Diction (SPH 2013)	3
Introduction to Education (SEED 2002)	2
Acting Theories and Techniques (TH 2703)	3
Group Discussion (SPH 3073)	3
Introduction to Mass Communication (JOUR 2133)	3
Total	30
Junior Year	
Humanities ¹	3
Fine Arts ¹	3
Oral Interpretation (SPH 3063)	3
Stagecraft Techniques (TH 3513)	3
Directing Theories and Techniques (TH 3803)	3
Debate Practicum (SPH 2111, 2121)	2
Cultural Anthropology (ANTH 2003)	3
Adolescent Development and Exceptionalities (SEED 3554)	4
Introduction to Educational Technology (SEED 3702)	2
Electives	5
Total	31

Curriculum in Speech For Teacher Licensure²

Senior Year	
Classroom Application of Educational Psychology (SEED 4556)	6
Theatre History I or II (TH 4263 or 4273)	3
Directing Forensics (SPH 4073)	3
Speech and Theatre Electives	1
Electives	7
Special Methods in Speech (SPH 4701)	1
Seminar in Secondary Education (SEED 4503)	3
Teaching in the Secondary School (SEED 4909)	9
Total	33

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²For 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.



DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

The Department of Health and Physical Education is a nationally accredited department that is a part of the University core curriculum and the School of Education professional preparation program curricula designed to serve the students, faculty and staff of Arkansas Tech University.

The programs in the Department of Health and Physical Education are designed to prepare students for lifelong growth in the physical, intellectual, cultural, emotional and social dimensions. These goals and objectives are met through the qualified faculty's presentation of research-based information, utilizing the latest technology.

The Department of Health and Physical Education offers the following degree tracks:

1. Wellness/Fitness Program Management: This track serves students who want to pursue professional preparation in the broad area of Wellness and Fitness Program Management. This would include those students who desire to work in clinical based, commercial and/or corporate settings.
2. Health and Physical Education Teacher Licensure: This track serves students who want to teach K-12 Health and Physical Education, with a coaching license.

Driver Education Program

The driver education program has been designed to serve individuals preparing to be driver and traffic education teachers. Additional information about this summer program may be obtained by calling 968-0344.

Dr. M. Annette Holeyfield, Chair
J.W. Hull Physical Education
Building, Room 110
(479) 968-0344
Annette.Holeyfield@mail.atu.edu

Professor:
Holeyfield
Associate Professor:
Jackson
Assistant Professors:
S. Brown, Kirkpatrick
Instructors:
Goss, Hornor,
McCormick, McNabb,
Thiessen, Wheeler

Curriculum in Health and Physical Education² (Including Teacher Licensure Requirements)

Freshman Year	Fall	Spring
English Composition (ENGL 1013, 1023) ¹	3	3
Science (BIOL 1014, PHSC 1013, PHSC 1021) ¹	4	4
Algebra (MATH 1103) ¹	3	
Personal Health and Wellness (HLED 1513)	3	
Orientation to Health, Physical Education and Wellness (PE 1201)	1	
Computer Science (COMS 1003 or equivalent)	3	
Methods of Teaching Individual Activities (PE 2111)		1
Regional Geography of the World (GEOG 2013) ¹		3
First Aid (PE 2513)		3
Physical Wellness and Fitness (WS 1002)		2
Total	17	16
Sophomore Year		
History of the U.S. to 1865 (HIST 2003) ¹	3	
American Government (POLS 2003) ¹	3	
Speech (SPH 2003 or 3083)	3	
Anatomy and Physiology (PE 2653)	3	
Methods of Teaching Rhythmic and Gymnastic Movements (PE 3101)	1	
Methods of Teaching Team Activities (PE 2101)	1	
Foundations in Health and Physical Education (PE 2523)	3	
Experiencing Art (ART 2123) ¹		3
Cultural Anthropology (ANTH 2003)		3
Introduction to World Literature (ENGL 2003) ¹		3

Curriculum in Health and Physical Education² (Including Teacher Licensure Requirements)

Kinesiology (PE 3663)	3		
Laboratory Experiences in Anatomy/Physiology and Kinesiology (PE 3661)	1		
Methods of Teaching Fitness and Wellness Concepts (PE 3051)	1		
Introduction to Education (SEED 2002)	2		
Total	17		16
Junior Year			
Methods of Teaching Movement Patterns and Activities for Children (PE 3103)	3		
Coaching Theory (PE 3413)	3		
Prevention and Care of Athletic Injuries (PE 3573)	3		
Basic Exercise Physiology (PE 4033)	3		
Nutrition and Physical Fitness (HLED 4403)	3		
Introduction to Educational Technology (SEED 3702)	2		
Methods and Materials in Physical Education and Recreation for Kindergarten and Elementary Grades (PE 3583)	3		
Coaching Strategy (PE 3512, 3522, or 3532)	2		
Methods and Materials in Physical Education for Secondary Schools (PE 3603)	3		
Adolescent Development and Exceptionalities (SEED 3554)	4		
Consumer Health Programs (HLED 3203)	3		
Organization and Administration of Health and Physical Education (PE 4513)	3		
Total	17		18
Senior Year			
Methods of Teaching Adapted Physical Education in the Schools (PE 4203)	3		
Measurement and Evaluation in Health and Physical Education (PE 4523)	3		
Methods and Materials in Health for Grades K-12 (HLED 4303)	3		
Classroom Application of Educational Psychology (SEED 4556)	6		
Seminar in Secondary Education (SEED 4503)	3		
Special Methods in Health and Physical Education (PE 4701)	1		
Teaching in the Elementary and Secondary School (SEED 4809) ³	9		
Total	15		13

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²For licensure, students must achieve the minimum score on the Praxis II Specialty Area and Principles of Learning Teaching Tests as determined by the Arkansas Department of Education.

³Three semester hours of the student teaching requirement must be completed at the elementary or middle school level, below the ninth grade, where the cooperative teacher is certified in Elementary Physical Education OR student must complete a three-semester-hour internship under direct supervision from the staff of the University's Physical Education Department.

Selected Second Teaching Fields

Students are encouraged to meet at least minimal licensure requirements in a second field of teaching in addition to their major field of study.

Licensure requirements in Driver Education are as follows: Hold or be qualified to hold a standard six-year secondary certificate; Driver Education I, two semester hours; Driver Education II, two semester hours; First Aid, two semester hours. Total of 6 semester hours.

Wellness and Fitness Program Management Option

There are three levels in the Wellness/Fitness Management program. Students begin the first level by taking general education requirements and are introduced to basic concepts of the wellness/fitness program in PE 1201, Orientation to Health, Physical Education, and Wellness Science and WS 1002, Physical Wellness and Fitness.

During the second level, students complete general education requirements and take courses specific to the wellness profession. Admission to level two requires completion of PE1201, WS 1002, ENGL 1013, ENGL 1023, MATH 1103, BIOL 1014, and SPH 2173 with a grade of C or better.

The third level is the internship phase of the program. Admission to this level requires completion of all content area courses (HLED, PE, & WS) with a grade of “C” or better and a cumulative GPA of 2.00 or better.

Curriculum in Health and Physical Education (Wellness and Fitness Program Management Option)

Freshman Year	Fall	Spring
English Composition (ENGL 1013, 1023) ¹	3	3
Science (BIOL 1014, PHSC 1013, PHSC 1021) ¹	4	4
Computer Science (COMS 1003 or equivalent)	3	
Algebra (MATH 1103) ¹	3	
Personal Health and Wellness (HLED 1513)	3	
Orientation to Health, Physical Education, and Wellness (PE 1201)	1	
Introductory Sociology (SOC 1003) ¹		3
Business and Professional Speaking (SPH 2173)		3
Physical Wellness and Fitness (WS 1002)		2
Total	17	15
Sophomore Year		
Social Science ¹	3	
First Aid (PE 2513)	3	
Anatomy and Physiology (PE 2653)	3	
Foundations of Health and Physical Education (PE 2523)	3	
Directing Food, Exercise and Body Composition Programs (WS 2031) ²	1	
Rhythmic Aerobic Activities (PE 2861)	1	
Field-Based Experience in Wellness (WS 2003) ²	3	
Experiencing Art (ART 2123) ¹		3
Social Science ¹		3
Introduction to World Literature (ENGL 2003) ¹		3
Kinesiology (PE 3663)		3
Laboratory Experiences in Anatomy/Physiology and Kinesiology (PE 3661)		1
Principles of Economics I (ECON 2003)		3
Total	17	16
Junior Year		
Prevention and Care of Athletic Injuries (PE 3573)	3	
Basic Exercise Physiology (PE 4033)	3	
Applied Fitness Assessment and Development (WS 2043) ²	3	
Directing Fitness Walking/Jogging Programs (WS 2091) ²	1	
Medical Terminology (AHS 2013)	3	
Management and Organizational Behavior (MGMT 3003)	3	
Consumer Health Programs (HLED 3203)		3
Directing Muscle Fitness Programs (WS 2081) ²		1
Exercise Behavior and Adherence (WS 3023) ²		3
Introduction to Hospitality Management (HA 1043)		3
Exercise Prescription (WS 3003) ²		3
Principles of Marketing (MKT 3043)		3
Total	16	16

Curriculum in Health and Physical Education (Wellness and Fitness Program Management Option)

Senior Year		
Wellness and Fitness Programming (WS 4063) ²	3	
Journalism (JOUR 1163 or 2133 or 2143)	3	
Methods of Adapted Physical Education (PE 4103)	3	
Advanced Professional Seminar (WS 4003) ²	3	
Nutrition and Physical Fitness (HLED 4403)	3	
Wellness and Fitness Program Management Internship (WS 4012) ³		12
Total	15	12

¹See appropriate alternatives or substitutions in "General Education Requirements" on page 74.

²Level 2 courses require completion of PE 1201, WS 1002, ENGL 1013, ENGL 1023, MATH 1103, BIOL 1014, and SPH 2173 with a grade of "C" or better.

³Level 3 courses require completion of all content courses (HLED, PE, and WS) with a grade of "C" or better and a cumulative GPA of 2.00 or better.

