

AGRICULTURAL EDUCATION

The programs of study offered in Agricultural Education are designed to provide both comprehensive and specialized training to prepare graduates for careers in a wide range of fields of agriculture. In addition to being prepared for licensure as teachers, graduates are professionally prepared for work in cooperative extension and other federal and state programs and services, as well as international education endeavors. Graduates also may find employment as educational directors and consultants with agribusiness firms and organizations. Studies may culminate in the BS, MAg, MS, or PhD degrees.

The undergraduate teaching option is designed to qualify the bachelor's degree recipient for the Oklahoma Agricultural Education Teaching License. The program is accredited by the Council for the Accreditation of Educator Preparation (CAEP). This license is recognized as meeting requirements for initial employment as a teacher in most states. Graduates look forward to careers ranging from agricultural education teacher and cooperative extension educator to agricultural sales, marketing, and production positions. The undergraduate Agricultural Education major is structured to provide educational experiences in general education, agriculture, and professional education.

Courses

AGED 2011 Topics and Issues in Agricultural Education

Description: An exploration into the world of teaching secondary agricultural education with a focus on the role and purpose of the comprehensive agricultural education program. Observation of teachers in an experiential manner by actively interviewing agricultural education teachers, school principals, and appropriate state staff; assisting with FFA activities; and observing students' SAE opportunities.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 3101 Laboratory and Clinical Experiences in Agricultural Education

Description: Preprofessional clinical experiences in agricultural education teaching and related careers. Requirement for admission to professional education, student teaching, and internships. Previously offered as AGED 3510.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 3103 Foundations and Philosophies of Teaching Agricultural Education

Prerequisites: 21 semester credit hours of agriculture with a 2.50 GPA.

Description: Roles and responsibilities of the agricultural education teacher; types of program offerings; steps of the teaching-learning process; place of agricultural education in relation to other educational programs in school systems.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Ag Ed, Comm & Leadership

AGED 3201 Planning and Conducting Agricultural Youth Organization Events

Description: A service-learning course focused on the processes and procedures required to host competitive events for agricultural youth organizations. Emphasis on roles of event hosts such as planning, coordination, volunteer management, and facilitation.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Undergraduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 3203 Advising Agricultural Student Organizations and Supervising Experiential Learning

Prerequisites: AGED 3103.

Description: Determining resources and trends of local communities with respect to agricultural production and agribusiness. Emphasis on agricultural education program policies, FFA chapter advisement, planning and managing the instructional program, identification and completion of records and reports required of a teacher of agricultural education in Oklahoma. May not be used for degree credit with AGED 5323.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Ag Ed, Comm & Leadership

AGED 4103 Methods of Teaching Agricultural Education

Prerequisites: AGED 3101 and AGED 3203.

Description: Facets of the teaching and learning process including teaching methods, basic teaching skills, proper classroom management techniques, and motivational techniques and ideas. Preparation for student teaching.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Ag Ed, Comm & Leadership

AGED 4113 Inquiry Based Instruction in Agricultural Education

Prerequisites: AGED 3103

Description: Inquiry-based instruction in agricultural education to prepare future school-based agricultural education teachers to teach inquiry-based science, technology, engineering, and math (STEM) curriculum.

Credit hours: 3

Contact hours: Lecture: 2 Lab: 2 Contact: 4

Levels: Undergraduate

Schedule types: Lab, Lecture, Combined lecture and lab

Department/School: Ag Ed, Comm & Leadership

AGED 4200 Student Teaching in Agricultural Education

Prerequisites: AGED 4103; EPSY 3213 or EPSY 3413; SPED 3202; Concurrent enrollment in AGED 4113; full admission to the University Professional Education program.

Description: Full-time directed experience in an approved agricultural education department. Applications of methods and skills in agricultural education as related to selecting, adapting, utilizing, and evaluating curriculum materials and experiences to meet educational goals and facilitate learning for individual students. Roles, responsibilities, and organization and operation of school systems. Offered for variable credit, 1-9 credit hours, maximum of 9 credit hours.

Credit hours: 1-9

Contact hours: Contact: 1-9 Other: 1-9

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Ag Ed, Comm & Leadership

AGED 4203 Professional Development in Agricultural Education

Prerequisites: AGED 4103; EPSY 3213 or EPSY 3413; SPED 3202.

Description: Professional preparation and development for careers as agricultural educators. Professional correspondences, interviewing, networking, and other employability skills. Reflection and evaluation of instruction, project supervision and advising of youth leadership development organizations. May not be used for degree credit with AGED 5333.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 4300 Agricultural Education Internship

Prerequisites: Consent of instructor.

Description: Supervised internship experience with approved enterprises in agriculture, natural resources, and/or youth development. Regular written reports and final presentation required. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Ag Ed, Comm & Leadership

AGED 4713 International Programs in Agricultural Education and Extension (I)

Description: World hunger and its root causes. The function of international agencies, organizations, foundation and churches in improving the quality of life for people of the developing nations. Roles of agricultural education and extension at all levels for enhancing the effectiveness of indigenous programs of rural development and adult education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

General Education and other Course Attributes: International Dimension

AGED 4990 Seminar and Problems in Agricultural Education

Description: Small group and/or individual study and research in problems relating to programs of occupational education in agriculture. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Ag Ed, Comm & Leadership

AGED 5102 Creative Component in Agricultural Education

Prerequisites: AGED 5983 or equivalent; consent of instructor.

Description: Independent research or project management under the direction and supervision of a major adviser.

Credit hours: 2

Contact hours: Lecture: 2 Contact: 2

Levels: Graduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 5123 Adult Programs in Agricultural and Extension Education

Description: Determining adult needs, priorities, participation in educational activities, and adoption of new ideas and practices. Designing, organizing, conducting, and evaluating adult education programs in agricultural and extension education.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 5203 Grant Seeking

Prerequisites: Graduate standing or consent of instructor.

Description: External funding proposal development for foundation and government agencies. Conceptualizing projects, identifying funding sources, and develop proposals that follow RFP guidelines including a literature review, need for the project, approach, timeline and budget. Previously offered as AGED 5202.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 5300 Extension Tchg Meth

Credit hours: 1-24

Contact hours: Lecture: 1-24 Contact: 1-24

Levels: Graduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 5311 Laboratory and Clinical Experiences in Agricultural Education for Graduate Students

Prerequisites: Graduate Standing.

Description: Preprofessional clinical experiences in agricultural education teaching and related careers. Study of research literature related to school-based agricultural education. Requirement for admission to professional education and student teaching. For graduate students pursuing teacher certification.

Credit hours: 1

Contact hours: Lecture: 1 Contact: 1

Levels: Graduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 5313 Foundations and Philosophies of Teaching Agricultural Education for Graduate Students**Prerequisites:** Graduate Standing.**Description:** Study of educational philosophers impacting school-based agricultural education, roles and responsibilities of the agricultural education teacher, types of program offerings, steps of the teacher-learning process, and the place of agricultural education in relation to other educational programs in school systems. For graduate students pursuing teacher certification. Same course as AGED 3013.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 2 Contact: 4**Levels:** Graduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Ag Ed, Comm & Leadership**AGED 5323 Advising Agricultural Student Organizations & Supervising Experimental Learning for Graduate Student****Prerequisites:** Graduate Standing.**Description:** Determining resources and trends of local communities with respect to agricultural production and agribusiness. Emphasis on agricultural education program policies, FFA chapter advisement, and supervision of experiential learning projects. Development of project for teaching agriculture. For graduate students pursuing teacher certification. Same course as AGED 3203.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 2 Contact: 4**Levels:** Graduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Ag Ed, Comm & Leadership**AGED 5333 Methods of Teaching Agricultural Education for Graduate Students****Prerequisites:** Graduate standing.**Description:** Facets of the teaching and learning process with an emphasis on the identification and integration of teaching methods in the school-based agricultural education curriculum. Preparation for the student teaching internship. For graduate students pursuing teacher certification. Includes exploration and application of research about teaching school-based agricultural education. Previously offered as AGED 5103.**Credit hours:** 3**Contact hours:** Lecture: 2 Lab: 2 Contact: 4**Levels:** Graduate**Schedule types:** Lab, Lecture, Combined lecture and lab**Department/School:** Ag Ed, Comm & Leadership**AGED 5343 Professional Development in Agricultural Education****Prerequisites:** AGED 4103; EPSY 3213 or EPSY 3413; SPED 3202.**Description:** Professional preparation and development for careers as agricultural educators. Professional correspondences, interviewing, networking, and other employability skills. Reflection and evaluation of instruction, project supervision and advising of youth leadership development organizations. May not be used for degree credit with AGED 4203.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Ag Ed, Comm & Leadership**AGED 5500 Directing Programs of Supervised Experience****Prerequisites:** Consent of instructor.**Description:** Determining the supervised training needs and opportunities of individual students. Planning for supervision of agricultural education training programs and 4-H club projects. Analysis of training opportunities in production agriculture, agricultural businesses and individual career development. Offered for variable credit, 1-3 credit hours, maximum of 6 credit hours.**Credit hours:** 1-3**Contact hours:** Contact: 1-3 Other: 1-3**Levels:** Graduate**Schedule types:** Independent Study**Department/School:** Ag Ed, Comm & Leadership**AGED 5623 Volunteer Management in Agricultural and Extension Education****Prerequisites:** Graduate standing.**Description:** Concepts, theories and practices relevant to the management of volunteers with an emphasis on recruiting, managing, and training in formal or non-formal educational settings.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Ag Ed, Comm & Leadership**AGED 5703 Cultural Competency for Working in Agricultural and Extension Education****Prerequisites:** Graduate standing.**Description:** Examination of strategies to increase intercultural intelligence, and cultural competence. Focus on concepts of cultural values and stereotypes, intercultural sensitivity, cultural differences, cultural transitions, and intercultural theories for agricultural and extension educators.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Ag Ed, Comm & Leadership**AGED 5813 College Teaching of Agriculture and Natural Resources****Prerequisites:** Consent of instructor.**Description:** Facets of the teaching-learning process used to teach agriculture and natural resources in higher education including teaching methods, instructional skills, application of instructional technology, student motivation, and evaluation of learning. Previously offered as AGED 6120.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Ag Ed, Comm & Leadership**AGED 5823 Advanced Methods of Teaching Agriculture****Description:** Advanced concepts and methods relevant for both formal and informal presentations. Effects methods may have on individuals involved in the learning experience. Demonstrations of proficiency in use of various advanced methodologies, technologies and concepts.**Credit hours:** 3**Contact hours:** Lecture: 3 Contact: 3**Levels:** Graduate**Schedule types:** Lecture**Department/School:** Ag Ed, Comm & Leadership

AGED 5900 Graduate Internship in Agriculture

Prerequisites: Admission to Master of Agriculture program; consent of graduate coordinator.

Description: Supervised internship in agricultural education, government agency, industry, Cooperative Extension, or not-for-profit organizations. Offered for variable credit, 1-6 credit hours, maximum of 6 credit hours.

Credit hours: 1-6

Contact hours: Contact: 1-6 Other: 1-6

Levels: Graduate

Schedule types: Independent Study

Department/School: Ag Ed, Comm & Leadership

AGED 5990 Problems in Agricultural and Extension Education

Description: Securing and analyzing data related to special problems or investigation in designated areas of agricultural education. Offered for variable credit, 1-3 credit hours, maximum of 8 credit hours.

Credit hours: 1-3

Contact hours: Contact: 1-3 Other: 1-3

Levels: Graduate

Schedule types: Independent Study

Department/School: Ag Ed, Comm & Leadership

AGED 6103 History and Philosophical Foundations of Agricultural and Extension Education

Prerequisites: Graduate standing.

Description: History and philosophical foundations of agricultural and extension education. Philosophy and its role in life, rise of education in America, philosophical foundations of education in America, legislation having an impact on agricultural and extension education, education in agriculture and current issues in agricultural extension education. Previously offered as AGED 5820.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

AGED 6983 Qualitative Research Methods in Agricultural Education

Prerequisites: Graduate standing, AGED 5983 or other graduate level social science research methods course.

Description: A comprehensive examination of qualitative research methods including identifying a problem, data collection, interpretative analysis, ensuring trustworthiness, theory construction and reporting. Previously offered as AGED 5303.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Graduate

Schedule types: Lecture

Department/School: Ag Ed, Comm & Leadership

Undergraduate Programs

- Agricultural Education: Multidisciplinary, BSAG (<http://catalog.okstate.edu/ferguson-college-agriculture/agricultural-education/multidisciplinary-bsag/>)

Graduate Programs

Graduate programs in Agricultural Education are designed to:

1. Prepare students for entry into or advancement in teaching careers, and

2. Provide for further development of professional leadership skills for other educational careers in agriculture, agribusiness, government service, extension, or adult education.

To meet the needs of both international and domestic students, plans of study are developed for academic excellence specific to students' career goals. The selection and organization of courses are made in consultation with the advisor and the student's advisory committee.

The Master of Agriculture degree is an advanced studies program for practitioners seeking to develop their knowledge related to education, leadership, and their applications to the agricultural industry. Graduates pursue careers in teaching, school administration, Extension, government, corporate agriculture, and human resources and training. The Master of Agriculture program requires 32 approved semester hours of coursework including a 17-hour area of emphasis.

The Master of Science degree in Agricultural Education and Leadership offers students two options for completion of the degree: thesis option or formal report option. The thesis option requires 30 approved credit hours of coursework that includes a six-credit hour formal thesis following the graduate college format. The formal report option requires 32 approved semester credit hours of coursework, including a two-credit hour formal report.

The Doctor of Philosophy program in Agricultural Education, Communications and Leadership is designed to prepare graduates for careers in professional education, supervision, administration, curriculum development and other areas of professional leadership in agriculture, agricultural Extension, career and technology, and agricultural communications. Within the minimum 60-credit hour requirement, 15 credit hours must be completed in the core area. In addition, 15 credit hours must be completed in an area of specialization such as agricultural Extension, technical agriculture, educational administration, or other similar areas. The additional hours include 15 hours of research design and statistics and 15 hours for the dissertation.

Admission Requirements

Students seeking admission to the master's degree programs must have earned a bachelor's degree in agricultural education or a closely related field. A student with background deficiencies must compensate for such deficiencies before completing the Master of Science degree. Evidence of academic ability (2.80 GPA or above) in undergraduate coursework is required. Three letters of reference and a statement of purpose are also required. Graduate Record Exam (GRE) scores are required for students seeking admission to the Master of Science degree program.

Admission to the doctoral degree program is based upon evidence the applicant meets the general requirements of the Graduate College, has demonstrated superior achievement, and can successfully complete a doctoral program as evidenced by three letters of recommendation, GRE scores, a minimum of 2.80 undergraduate grade-point average and 3.00 graduate grade-point average, and a philosophy statement and goals. Students interested in specializing in agricultural education must have three years of successful professional experience. Alternative criteria may be considered by the graduate committee for those who submit ample supportive evidence of other exemplary qualifications.

Faculty

J. Shane Robinson, PhD—Professor and Head

Professors: D. Dwayne Cartmell, PhD; M. Craig Edwards, PhD; Shelly R. Legg, PhD; Jon W. Ramsey, PhD; Robert Terry, Jr., PhD

Associate Professor: Angel Riggs, PhD; Quisto Settle, PhD

Assistant Professors: Courtney Brown, PhD; Lauren Cline, PhD; Bradley Coleman, PhD; Chris Eck, PhD; Audrey King, PhD

Lecturers: Kenna Sandburg, MS; Nathan Smith, MS; Kaylee Travis, MS