

# AGRICULTURAL EDUCATION (AED)

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## AED 235, INTRODUCTION TO AGRICULTURAL EDUCATION, 2 Credits

Introduces students to the field of agricultural education. Explore the historical foundations and career pathways in non-formal and school-based agricultural education. Topics will include school-based agricultural education, non-formal and extension education, and agricultural literacy. Develop career skills and a plan to pursue a future career in agricultural education.

## AED 313, THEORY AND PRACTICUM III: FIELD, 4 Credits

Field based experience for students preparing to be agricultural teachers. Focus on teaching models.

*Available via Ecampus*

## AED 325, PLANNING AND DELIVERING NON-FORMAL AGRICULTURAL EDUCATION, 3 Credits

This course uses adult learning theory and practice, including planning non-formal agricultural education programs for youth and adults, methods of instructional delivery, effective use of instructional technology, marketing agricultural education programs, and evaluation of agricultural education outcomes. Microteaching (practice teaching presentations) and group presentations required as part of laboratory assignments.

## AED 407, SEMINAR, 1-16 Credits

*This course is repeatable for 16 credits.*

## AED 499, SPECIAL TOPICS, 1-16 Credits

*This course is repeatable for 16 credits.*

## AED 501, RESEARCH, 1-16 Credits

*This course is repeatable for 16 credits.*

*Available via Ecampus*

## AED 503, THESIS, 1-16 Credits

*This course is repeatable for 999 credits.*

## AED 505, READING AND CONFERENCE, 1-16 Credits

*This course is repeatable for 16 credits.*

*Available via Ecampus*

## AED 507, SEMINAR, 1-16 Credits

*This course is repeatable for 16 credits.*

## AED 508, WORKSHOP, 1-16 Credits

*This course is repeatable for 16 credits.*

## AED 509, PRACTICUM, 1-16 Credits

*This course is repeatable for 16 credits.*

## AED 510, PROFESSIONAL INTERNSHIP: AGRICULTURE EDUCATION, 1-40 Credits

A field experience in which the intern will integrate academic study with classroom teaching experience to learn specific competencies relating to functioning well in the context of the classroom and the school, and demonstrate this competency through the assessment of work by supervisors and by evidence collected and presented in work samples.

*This course is repeatable for 40 credits.*

*Available via Ecampus*

## AED 518, EXTENSION COURSE IN TEACHER EDUCATION/PEDAGOGY, 1-3 Credits

Enables present and prospective teachers of agriculture to continue their professional development on pedagogical topics of current importance. (This course is limited to 9 credits per term.)

**Equivalent to:** AG 518

*This course is repeatable for 50 credits.*

*Available via Ecampus*

## AED 533, RURAL SURVEY METHODS, 3 Credits

Technique; analyzing, interpreting, and using results of survey data; identifying and utilizing community resources; develop and organize agriculture programs to meet community needs.

## AED 552, PROGRAM ORGANIZATION AND MANAGEMENT, 3 Credits

Explores the foundations of vocational education, essential learning skills, advisory committees, and development of a vocational education philosophy. Students will study the elements of educational reform as they apply to specific service areas. Resource analysis, student organizations, and school-to-work transitions will also be studied.

## AED 553, APPLIED INSTRUCTIONAL STRATEGIES, 3 Credits

Helps students in the identification and development of goals, objectives and units. The course includes the development and application of subject area instructional strategies/models, including applied math, writing, communication skills, measurement and evaluation of achievement, and delivery of instruction to at-risk students. Safety is a primary focus.

## AED 554, MICRO-TEACHING, 3 Credits

Planning, presenting and evaluating lessons in a micro-teaching lab. It includes application of content pedagogy strategies, subject matter principles and media technology. Lessons presented on safety.

## AED 555, LABORATORY PEDAGOGY, 3 Credits

Applications of efficient planning, organizing, and teaching skills within the laboratory setting and utilization of laboratory facilities to optimize learning experiences. Laboratory facilities could include a shop, greenhouse, land laboratories/outdoors, agriscience labs, aquaculture, computer lab, field trips, etc.

## **AED 556, LINK RESEARCH, TEACHING, AND PRACTICE, 3 Credits**

Links research to teaching. Students will work with cooperating teachers to identify and apply research to teaching.

## **AED 557, ISSUES AND TRENDS IN CURRICULUM AND INSTRUCTION, 3 Credits**

Emphasizes trends related to subject matter curriculum issues unique to agricultural education at the secondary level.

## **AED 558, IMPROVING AGRICULTURAL SCIENCE AND TECHNOLOGY PROGRAMS, 3 Credits**

Provides impetus toward evaluation and improvement of local programs of agricultural science and technology (AST), such that they better reflect community, regional, and national needs.

## **AED 580, COMMUNICATING AGRICULTURAL AND LIFE SCIENCES TO THE PUBLIC, 3 Credits**

Focuses on communicating with the public about research-based science in agricultural and life sciences for the purposes of education, influencing public policy, promoting positive agricultural practices and creating change. Explores various communication outlets and media and how they are appropriate for different messages.

## **AED 599, SPECIAL TOPICS, 1-16 Credits**

*This course is repeatable for 16 credits.*

*Available via Ecampus*

## **AED 603, DISSERTATION, 1-16 Credits**

Students engage in research and writing related to the completion of their dissertation to fulfill the requirements of the College of Education PhD program.

*This course is repeatable for 999 credits.*

## **AED 640, INSTRUMENTATION AND DATA COLLECTION IN SOCIAL SCIENCE, 3 Credits**

Addresses the selection, development, and analysis of various types of quantitative instruments and procedures for collecting research data.

The course has a quantitative focus and is oriented toward social science research. Lec/lab.

**Recommended:** SED 580 or equivalent introductory research methods course.