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# Mission Statement

Oklahoma State University is a modern comprehensive land-grant university that serves the state, national, and international communities by providing its students with exceptional academic experiences, by conducting scholarly research and other creative activities that advance fundamental knowledge, and by disseminating knowledge to the people of Oklahoma and throughout the world.

Since its creation in 1890, Oklahoma State University has met its land-grant mission while evolving into a comprehensive research university with statewide, national, and international responsibilities. The role of the University is

1. To accelerate the intellectual and leadership development of students seeking baccalaureate, master, and doctoral degrees.
2. To instill in every graduate an appreciation for his or her individual responsibility for citizenship and leadership in a multicultural society.
3. To provide lifelong educational experiences for those persons it serves.
4. To develop and preserve fundamental knowledge through research, scholarship, and other creative activities.
5. To disseminate knowledge through publications and presentations.
6. To develop strategic alliances and partnerships with government, business, and industry that lead to enhanced economic development of the state and nation.

Through the Graduate College, Oklahoma State University offers 110 options at the master's level. The three master's degree options in the Department of Agricultural Education, Communications, and 4-H Youth Development are among them. People of all ages and circumstances attend graduate school to gain opportunities for career advancement, to change careers, to improve the way they do their current jobs, or sometimes just to improve themselves. While often expanding on a student's undergraduate education, a graduate education can be tailored more directly to individual goals. Many students even get a graduate degree in disciplines unrelated to their undergraduate program.

Typically, in graduate school, there are no liberal arts course requirements. Students explore in-depth the theories and ideas of the major writers in a discipline. To complete the degree, they have to take courses, critically analyze research performed in a discipline, and perform their own research in the library, in a laboratory, or in the field. Students are often asked to understand and apply their knowledge to real world situations.

The master's programs in the Department of Agricultural Education, Communications, and 4-H Youth Development are designed to prepare leaders in agricultural education, communications, and youth development. The faculty, staff, and students aspire to make the department the preeminent agricultural education and communications program in the nation.

# Master of Science Degree Programs

## MASTER OF SCIENCE ADMISSION CRITERIA

Admission to the Master of Science degree program in Agricultural Communications or Agricultural Education requires the following:

1. A bachelor's degree in an appropriate field such as agricultural education, agricultural communications, or an agriculturally related area from an accredited university;
2. An acceptable grade point average in undergraduate studies (a minimum GPA of 2.80 or 3.0 in the last 30 hours);
3. Recommendations from three people knowledgeable of the applicant's professional qualifications;
4. A statement of purpose for pursuing the master's degree; and
5. Acceptable scores on the Graduate Record Examination (School Code-6456, Dept. Code-3908)

## MASTER OF SCIENCE IN AGRICULTURAL EDUCATION

Oklahoma State University's graduate program in agricultural education is designed to prepare students for entry into or advancement in formal and non-formal teaching careers. This program also provides development of professional leadership skills for other careers in agribusiness, government service, extension, or adult education. This graduate program is among the most respected in the nation, with internationally recognized faculty and state-of-the-art laboratories.

The master's degree program in agricultural education, with its multiple options, provides a flexible program, which can be tailored to meet each student's unique situation. In addition to the wide variety of professional courses in agricultural education, offerings are also available from all academic departments in the Division, including agricultural economics, biosystems and agricultural engineering, plant and soil science, animal science, biochemistry, entomology and plant pathology. Specialization areas such as educational administration, supervision, counseling, community education, occupational education, adult education, and career education are also available through cooperation with the College of Education.

## MASTER OF SCIENCE IN AGRICULTURAL COMMUNICATIONS

Oklahoma State University's graduate program in agricultural communications is designed to prepare students for entry into or advancement in a variety of mass media and public relations positions. This program also provides development of professional communications skills for related careers in agribusiness, government service, and extension. The master's degree program in agricultural communications provides a flexible program, which can be tailored to meet each student's unique situation. Specialization areas such as marketing, mass media, and public relations are also available through cooperation with the School of Journalism and Broadcasting.

## MASTER OF SCIENCE DEGREE OPTIONS

The Master of Science in agricultural education or agricultural communications is designed primarily for students interested in research. The programs develop the students' theoretical and research foundation for further graduate studies in addition to further knowledge and skills in agriculture and education or communications. Two options are available in the Master of Science degree programs.

**Thesis Option**—This program requires 30 approved credit hours of coursework including a six-credit-hour formal thesis. The thesis is a report of scholarly research conducted by the student. The scope of the study will normally be of state or national interest, and the thesis will include an in-depth analysis of the findings.

**Formal Report Option**—The program requires 32 approved credit hours of coursework including a two-credit-hour formal report. Although the formal report is the result of original research, the literature review or statistical analysis may lack the depth required of a thesis.

The summary of credit hours requirements below outlines the requirements for the plan of study. Both the thesis and the formal report must follow the Graduate College format outlined in the *Oklahoma State University Thesis & Dissertation Handbook* (which is available on the Graduate College home page at [www.gradcollege.okstate.edu](http://www.gradcollege.okstate.edu)).

**Table 1. Summary of credit-hour requirements for Master of Science plans of study.**

<b>Master of Science in Agricultural Education</b>	<b>Thesis</b>	<b>Formal Report</b>
Research & Seminar (AGED 5000)	6	2
Research Methods (AGED 5983)	3	3
Statistics (REMS 5953 or equivalent)	3	3
Agricultural Education (two of the following: AGED 5303, 5823, 5863, 6103 or 6223)	6	6
Graduate Seminar (AGED 6100)	1	1
* Electives	11	17
** Total	30	32

<b>Master of Science in Agricultural Communications</b>	<b>Thesis</b>	<b>Formal Report</b>
Research & Seminar (AGCM 5000)	6	2
Research Methods (AGED 5983)	3	3
Statistics (REMS 5953 or equivalent)	3	3
AGCM 5103, AGCM 5203 & AGED 5863 or AGED 6223	9	9
Graduate Seminar (AGCM 5100)	1	1
* Electives	8	14
** Total	30	32

\* With committee approval, electives may be chosen from technical agriculture, journalism, education, other areas, or a combination of areas which most effectively achieve the student's educational goals.

\*\* Totals must include a minimum of 21 hours of 5000 or higher credit and a maximum of 9 transfer credit hours.

## SUMMARY OF PROCEDURES FOR THE MASTER OF SCIENCE DEGREE

Throughout these procedures, “thesis” refers to a report or thesis unless otherwise noted. Again, refer to the University Catalog, the Graduate College web site, and the official thesis and dissertation handbook for additional information

1. Apply to the Graduate College, pay \$25.00 application (\$50.00 for international students), and provide copies of all college or university transcripts.
2. Submit statement of purpose, letters of recommendation, and GRE scores to the Graduate Coordinator.
3. After the application is reviewed by the graduate faculty, the student will receive notification of admission from the Graduate College.
4. Consult a requested or assigned temporary advisor regarding enrollment during the first semester of classes.
5. Select graduate committee of three graduate faculty (consisting of at least two members of the Agricultural Education, Communications, and 4-H Youth Development graduate faculty, one of which will serve as committee chair), and develop plan of study.
6. Submit plan of study to Graduate College prior to completing the 17th credit hour of enrollment (which should include two of the five core courses in agricultural education).
4. Work with thesis advisor to select a topic and complete the master’s degree admission to candidacy form (page 6).
5. All students must indicate on their plans of study whether or not their research will involve human subjects. **If human subjects are to be used, approval must be received from the Office of Research Compliance *prior* to the beginning of the research.** (See Office of Research Compliance (formerly IRB) information in Graduate Rules and Regulations, page 14.)
5. Submit an “Application for Diploma” card to the Graduate College at the time of enrollment for the semester in which the degree is to be conferred.
6. Complete research, prepare a draft copy of your thesis and submit it to your thesis advisor at least two weeks prior to the draft deadline established by the Graduate College.
7. Complete oral examination within two weeks of submitting final copy of thesis to the Graduate College (deadlines available from Graduate College and on page 19).
8. Upon successful completion of oral examination, four copies of each thesis (or one copy of each formal report) and six copies of the abstract must be submitted in a manila envelope with the student's name and thesis title at the top of each envelope to the Graduate College. The six abstracts are to be in one envelope with the student's name and title of thesis as well as department listed at the top of the envelope. One copy of each thesis or formal report should be submitted to the departmental graduate secretary on regular copy paper, tape bound, along with two copies of the abstract. Of the four bound copies of each thesis, two will be retained by the Edmond Low Library, one will be retained by the department, and one by the student’s advisor.
9. For electronic submission of the thesis or formal report, refer to the instructions and deadlines on the Graduate College web page at [www.gradcollege.okstate.edu](http://www.gradcollege.okstate.edu).



# Master of Agriculture Degree Program

## MASTER OF AGRICULTURE IN AGRICULTURE (OPTION IN AGRICULTURAL EDUCATION) ADMISSION CRITERIA

Admission requirements for the Master of Agriculture degree in Agriculture with an option in Agricultural Education are similar to those for the Master of Science degree programs. However, no standardized test scores are required. Admission to the Master of Agriculture degree program requires the following:

1. A bachelor's degree in an appropriate field such as agricultural education or an agriculturally related area from an accredited university;
2. An acceptable grade point average in undergraduate studies (a minimum GPA of 2.80 or 3.0 in the last 30 hours);
3. Recommendations from three people knowledgeable of the applicant's professional qualifications;
4. A statement of purpose for pursuing the master's degree.

## CREATIVE COMPONENT OPTIONS

The Master of Agriculture degree in Agriculture with an option in Agricultural Education is designed to further develop the knowledge and skills of students preparing for advancement in teaching, extension, administration, and many other professional careers. Most students in this program do not wish to conduct an original research study or continue beyond a master's degree. Two creative component options are available for the Master of Agriculture degree program:

### ***Option A (No Internship)***

A total of 36 approved semester credit hours of coursework is required, including a two-credit-hour creative component. The creative component will normally be completed as a special project in AGED 5100. This project may be a written report of a literature review, action research project, curriculum development project, or a similar project approved by the graduate committee. The student's committee will determine details of the creative component and assist in developing a portfolio.

### ***Option B (Internship)***

A total of 36 approved semester credit hours of coursework is required, including a ten-week, six-credit-hour professional internship. The internship is a professional practice program cooperatively arranged with a school, extension center, government office, agribusiness, or other organization, which will provide the student with a hands-on learning experience complementary to the student's educational goals. The student's advisor and committee will assist with arrangements for the internship and will determine the details of the presentation, assist with the development of a portfolio, and supervise the internship. The student's advisor will supervise the internship in cooperation with a member of the organization accepting the intern.

**Table 2. Summary of credit-hour requirements for Master of Agriculture plans of study.**

<b>Master of Agriculture</b>	<b>Option A (no internship)</b>	<b>Option B (internship)</b>
AGED 5100	2	
AGED 5900		6
Agricultural Education (Must include two of the following: AGED 5303, 5823, 5863, 6103 or 6223.)	12	12
* Electives	22	18
**Total	36	36

\* With committee approval, electives may be chosen from technical agriculture, journalism, education, other areas, or a combination of areas which most effectively achieve the student's educational goals.

\*\* Totals must include a minimum of 21 hours of 5000 or higher credit and a maximum of 9 transfer credit hours.

### SUMMARY OF PROCEDURES FOR THE MASTER OF AGRICULTURE DEGREE

#### ***Option A (No Internship)***

1. Consult with temporary advisor regarding enrollment in first semester of classes.
2. Select graduate committee of three graduate faculty (consisting of at least two members of the Agricultural Education, Communications, and 4-H Youth Development graduate faculty, one of which will serve as committee chair) and develop plan of study.
3. Submit plan of study to Graduate College prior to completing the 17th credit hour of enrollment.
4. Work with graduate committee to select the creative component and develop the portfolio to be completed and enroll in the course which will serve as the basis of the creative component or two hours of special problems.
5. Schedule oral examination and presentation of portfolio with the graduate committee. Examination should be scheduled within two weeks of the final draft deadline for theses designated by the Graduate College (See page 19.) or as directed by the committee.

#### ***Option B (Internship)***

1. Consult temporary advisor regarding enrollment in first semester of classes.
2. Select graduate committee of three graduate faculty (consisting of two members of the Agricultural Education, Communications, and 4-H Youth Development graduate faculty, one of which will serve as committee chair) and develop plan of study.
3. Submit plan of study to Graduate College prior to completing the 17th credit hour of enrollment.
4. Under the direction of the graduate committee, select internship site and cooperator. (Students may request a waiver of building fees during their internships.)
5. Upon completion of internship, coordinate with graduate committee the presentation of the portfolio and oral examination.

## **GUIDELINES FOR PREPARING THE MASTER OF AGRICULTURE PORTFOLIO**

### ***Portfolio Focus and Organization***

Each portfolio focuses on core courses, area of specialization and the creative component or internship experience. The materials included in each portfolio must be organized in three sections: personal information, narrative, and documentation. The cover page should include the title “Master of Agriculture: Agricultural Education,” student’s name, committee chair’s name, and date submitted.

1. Personal information: In this section, include a one-to-two page resume and plan of study.
2. Narrative: For each of four areas (core courses, specialization, and creative component or internship, and overall summary), provide a separate narrative based on personal reflection that indicates what has been learned or achieved in this area during the master’s degree experience, how this learning or achievement has contributed to growth as an education professional, and what steps will be taken in the future to build upon what has been learned or achieved. The length of all four narratives should not exceed a maximum of 15 double-spaced pages. Narratives must conform to the style of the *Publication Manual of the American Psychological Association* (5<sup>th</sup> edition).
3. Documentation: Provide evidence of learning or achievement in the master’s program. The purpose of this documentation is to support and supplement the narratives. Therefore, in the selection of documentation, give consideration to how each item lends support to each written narratives. Keep in mind that “less is more”—that is, the quality is much more important than quantity. The complete set of documentation materials should not exceed 50 pages unless approved in advance by the committee chair.

Examples of documentation that may be used in support of the written narrative include the creative component or internship evaluation, volunteer work, presentations, printed materials or videotapes developed, course assignments, a review of literature, field-tested ideas, conferences attended, web pages developed, needs assessments completed, offices held in organizations, published journal articles, presentations at conferences, or meetings conducted.

### ***Submission and Evaluation***

1. At least one month before the deadline for graduation, submit a copy of the portfolio to the chair of your advisory committee. The chair of your advisory committee assumes responsibility for the conduct of the portfolio evaluation.
2. With the approval of your committee chair, submit copies of the portfolio to the other members of your committee.
3. The advisory committee evaluates the portfolio using the portfolio evaluation form that follows.
4. In addition to reviewing the portfolio, the committee may choose to meet with the student and discuss the portfolio’s content.
5. In the event that the committee determines that a student has not prepared a satisfactory portfolio, the committee chair may request resubmission of some parts or all of the portfolio.

**Note**—Information for graduate internships and appropriate forms may be found in Graduate Internship Handbook, which is available from the Graduate Coordinator or the office assistant in room 455.

# Teacher Certification in Agricultural Education

The master's degree programs in Agricultural Education offer students the opportunity to acquire a teaching certificate in agricultural education. This option is designed to meet the needs of those individuals with a B.S. degree in some field of agriculture who desire to teach it at the secondary level and earn a master's degree. The program includes courses and educational experiences that enhance the candidate's skills and knowledge in the processes of teaching and learning. The program is viewed as a practitioner's program, oriented strongly toward improving the candidate's professional proficiency.

Each student's record will be reviewed to determine if they meet standards for general education requirements for teacher education and for agriculture content requirements. Students may be required to take undergraduate courses to correct deficiencies. Specific requirements for certification are summarized below.

## ***Foreign Language Competency***

This competency may be met in one of two ways: 1. The student has completed two years of a high school foreign language with grades of A or B. 2. The student completes a five-credit-hour college foreign language course.

## ***Grade-Point Average***

The student's cumulative GPA (undergraduate and graduate) must be 2.50 or above.

## ***Standardized Tests***

- Oklahoma General Education Test (OGET) is a general education test covering reading, writing, and mathematics.
- Oklahoma Subject Area Test (OSAT) is the subject matter test for the certification area, in this case, Agriculture. The test covers agricultural business, plant and soil science, animal science, agricultural mechanics, and leadership. Students may take additional examinations to certify in other teaching fields.
- Oklahoma Professional Teaching Exam (OPTE) is a test of a candidate's knowledge of teaching and learning. Because the certification is for grades 6-12, middle school and secondary school students are addressed in this examination.

## ***Agricultural Coursework***

Introductory coursework is required in the following agricultural areas: animal science, agricultural economics, horticulture, mechanized agriculture, plant science, soil science, natural resources, leadership, international dimensions, food science, and agricultural communications.

## ***Graduate Credit***

Eighteen credit hours of the required coursework in professional education may be taken for graduate credit: AGED 3203 (Planning the Community Program in Agricultural Education); AGED 4103 (Methods of Teaching Agriculture); EPSY 5103 (Human Development); SPED 5633 (Exceptional Child); and AGED 5900 (Graduate Internship – 6 hours student teaching).

# Additional Information

## GRADUATE COLLEGE RULES AND REGULATIONS

All graduate students are expected to read and to comply with the written regulations as printed in the general University Catalog. All matriculating students are eligible for one free catalog upon their initial enrollment in the Graduate College.

### *Enrollment Requirements*

Graduate students must complete a minimum of six hours during each 12-month period to be continuously enrolled. Failure to maintain continuous enrollment requires reapplication and readmission to the program. Graduate students must be enrolled in at least two hours during any semester in which they are utilizing university resources including the semester in which they graduate. Graduate assistants must meet minimum enrollment requirements as follows: 0.50 or greater FTE—6 hours in fall or spring; 3 hours in summer; less than 0.50 FTE—9 hours in fall or spring; 3 hours in summer. All students (including those enrolling in research hours only) must be enrolled by the deadlines listed in the Schedule of Classes.

### *Time Limits*

All requirements must be completed within the following periods calculated from initial enrollment in the program: master's candidates—7 years; doctoral candidates—9 years. No course on the plan of study may be more than 10 years old at the time of graduation. Students must follow deadlines for submission of theses/dissertations and for completing final exams as listed in the catalog.

### *Grade Point Requirements*

Students whose cumulative graduate GPA falls below 3.0 are subject to being placed on Strict Academic Probation (SAP). Students on SAP may be suspended if they receive any grade below a B. To graduate, a student must have a minimum of a 3.0 GPA in all course work (excluding research and creative component hours) and also a minimum of a 3.0 GPA in research (or creative component) hours. These GPAs are calculated independently. No course in which the assigned grade is lower than a C can be placed on a plan of study.

### *Transfer Hours*

Master's students may transfer a maximum of 9 hours from another university or from special student status at OSU. Doctoral students must take at least 30 hours at OSU.

### *Plan of Study*

- The plan of study for a Master's candidate must be filed prior to the completion of the 17<sup>th</sup> graduate credit hour of enrollment. Doctoral candidates should file the plan of study prior to the completion of the 28<sup>th</sup> graduate credit hour of enrollment.
- All students must indicate on their plans of study whether or not their research will involve human subjects. **If human subjects are to be used, approval must be received from the Institutional Review Board prior to the beginning of the research.**

### ***Office of Research Compliance***

Federal regulations and Oklahoma State University policy require review and approval of all research studies that involve human subjects before investigators can begin their research. The Office of Research Compliance conducts this review to protect the rights and welfare of human subjects involved in biomedical and behavioral research. In compliance with the aforementioned policy, each graduate student doing research involving human subjects is required to submit an application for Review of Human Subjects Research to the Office of Research Compliance at 415 Whitehurst Hall, (405) 744-5700. Applications are available from the Office of Research Compliance (formerly IRB) and its web page at <http://compliance.vpr.okstate.edu>.

### ***Graduation***

Students must file a diploma application at the beginning of the semester in which they are expecting to graduate. If they fail to graduate during that semester, a new diploma application must be filed. Students who need to submit a revised plan of study should turn it in at the beginning of the semester of anticipated graduation. Published deadlines for theses and dissertations are strictly enforced. A student must submit four final copies of a thesis or dissertation to the Graduate College.

## **DEPARTMENTAL EMPLOYMENT OPPORTUNITIES FOR GRADUATE STUDENTS**

Graduate assistantships have been established at Oklahoma State University to encourage scholarship and the promotion of research. After admission by the Graduate College, a student who is making satisfactory progress toward a graduate degree may be appointed to an assistantship. A limited number of research and teaching assistantships are available in the Department of Agricultural Education, Communications, and 4-H Youth Development each year. Assistantships are usually one-quarter (.25 FTE) or one-half time (.50 FTE). According to University guidelines, all graduate assistants work 10 hours per week for a quarter-time appointment and 20 hours per week for a half-time appointment.

### ***Graduate Research Assistantships***

A graduate research assistant (RA) conducts research under the supervision of a faculty member in the department to develop not only technical and manipulative skills but also to foster originality, imagination, judgment, and patience—the traits of an independent scholar. Specific research responsibilities for an RA are determined by the supervising faculty member.

### ***Graduate Teaching Assistantships***

Graduate teaching assistants share the faculty's responsibility for undergraduate teaching. Graduate teaching assistants are assigned to a specific course and faculty member in the department.

### ***Applications for Assistantships***

Applications for departmental assistantships are available from the office assistant in 455 Agricultural Hall. Additionally, assistantship opportunities in other departments and offices are generally posted on the graduate student bulletin board in the Department of Agricultural Education, Communications, and 4-H Youth Development.

## STUDENT ORGANIZATIONS

Graduate students at OSU can participate in a number of student organizations. There are many undergraduate organizations in which graduate students can become involved. Those affiliated with the Department include Collegiate Farm Bureau, Collegiate FFA, ATA, Collegiate 4-H, and Agricultural Communicators of Tomorrow. Gamma Sigma Delta, the Honor Society of Agriculture, and Phi Delta Kappa, an honorary educational society, also meet monthly at OSU.

The Oklahoma State University Graduate Student Association is composed of representatives from every graduate degree-granting department. It operates independently of the undergraduate Student Government Association and is the voice of graduate students on all issues. Its goal is to improve all aspects of graduate education. Most work is completed through a committee structure and non-representatives are encouraged to become involved. The Association sponsors travel to professional meetings, professional development seminars, and external speakers for graduate students.

The Agricultural Education, Communications, and 4-H Youth Development Department also has its own Graduate Student Association. The group holds monthly business meetings, discussing upcoming events and OSU Graduate Student Association updates, as well as various social and educational events throughout the year.

## COURSE OPTIONS

### Agricultural Education and Communications Course Options

<i>AGCM</i>	<i>5013</i>	<i>History &amp; Philosophical Foundations of Agricultural Communications.</i> Prerequisite: graduate standing. Discussion of issues, problems and trends in agricultural communications.	<i>3</i>
<i>AGCM</i>	<i>5100</i>	<i>Issues in Agricultural Communications.</i> Prerequisite: graduate standing. Discussion of issues, problems, and trends in agricultural communications.	<i>1-3, max. 6</i>
<i>AGCM</i>	<i>5203</i>	<i>Theory &amp; Practice in Agricultural Communications.</i> Prerequisite: graduate standing. The study of major communication theories and theorists in the context of agricultural communications.	<i>3</i>
<i>AGED</i>	<i>5100</i>	<i>Organizing Curriculum &amp; Programs of Agricultural Education.</i> Studies of student and community agricultural needs as bases for localizing, personalizing and utilizing a basic core curriculum and other components essential to effective local agricultural education programs.	<i>1-3, max. 6</i>
<i>AGED</i>	<i>5123</i>	<i>Adult Programs in Agriculture &amp; Extension Education.</i> 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.	<i>3</i>
<i>AGED</i>	<i>5202</i>	<i>Grantseeking.</i> Proposal writing to obtain external funding from private and government agencies. Skills such as conceptualizing projects that are worth funding, identifying sources of funds, developing a working narrative that follows the RFP guidelines, developing boilerplate information, conducting a review of literature to demonstrate a need for the project, developing timelines, and budgets.	<i>2</i>

<b>AGED</b>	<b>5303</b>	<b><i>Foundations of Leadership Theory.</i></b> Study of leadership theory including definitions of leadership, a history of modern leadership theory, and current trends in leadership practice and research. Models of leadership including contingency models, situational leadership, and transformational leadership..	<b>3</b>
<b>AGED</b>	<b>5353</b>	<b><i>Leadership in Agriculture.</i></b> Prerequisite: AGED 5303 or consent of instructor. Concepts, principles and philosophies of leadership applied to agricultural contexts. Importance of traits, perceptions and behaviors to success of agricultural professionals in leadership roles. Dimensions and style of leadership for varying situations.	<b>3</b>
<b>AGED</b>	<b>5500</b>	<b><i>Directing Programs of Supervised Experience.</i></b> Prerequisite: consent of instructor. 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.	<b>1-3, max. 6</b>
<b>AGED</b>	<b>5823</b>	<b><i>Advanced Methods of Teaching Agriculture.</i></b> 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.	<b>3</b>
<b>AGED</b>	<b>5863</b>	<b><i>Methods of Technological Change.</i></b> Processes by which professional change agents influence the introduction, adoption, and diffusion of technological change. Applicable to persons who work closely with people in formal and non-formal educational settings.	<b>3</b>
<b>AGED</b>	<b>5900</b>	<b><i>Graduate Internship in Agriculture.</i></b> Prerequisite: admission to Master of Agriculture program; consent of graduate coordinator. Supervised internship in agricultural education, government agency, industry, Cooperative Extension, or not-for-profit organizations.	<b>1-6, max. 6</b>
<b>AGED</b>	<b>6100</b>	<b><i>Developments in Agriculture &amp; Extension Education.</i></b> Developing trends in agricultural and extension education. Pending and anticipated organizational and structural changes and changing emphases in goals and objectives. Functional relationships with other agencies.	<b>1-3, max. 6</b>
<b>AGED</b>	<b>6103</b>	<b><i>History &amp; Philosophical Foundations of Agricultural &amp; Extension Education.</i></b> Prerequisite: graduate standing. 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.	<b>3</b>
<b>AGED</b>	<b>6120</b>	<b><i>Teaching Agriculture in Higher Education.</i></b> The teaching-learning matrix functioning in both undergraduate and	<b>1-3, max. 6</b>

		advanced study in the field of agriculture. Discriminate review and assessment of recently developed instructional methods and trends.	
<b>AGED</b>	<b>6200</b>	<b>County Extension Program Development.</b> A systematic study and use of methods of developing county extension programs, giving attention to sources of essential basic information, determination of problems and needs of people, functions of lay people and the various groups of extension workers. Uses of committees, step-by-step procedures, coordinated county and state plans and characteristics of effective programs.	<b>1-3, max. 6</b>
<b>AGED</b>	<b>6223</b>	<b>Program Evaluation in Agriculture &amp; Extension.</b> Prerequisite: graduate standing. Program evaluation theory and methodology (quantitative and qualitative) presented through a service learning framework. Problem-based approach having students submit a proposal that addresses an evaluation need presented by a community-based program.	<b>3</b>
<b><u>Statistics and Research Course Options</u></b>			
<b>AGED</b>	<b>5983</b>	<b>Research Methods in Agricultural Education.</b> Prerequisite: graduate standing. Research methods presented in support of decision making in a scientifically literate world. Literature, logic, and research methodologies for quantitative and qualitative paradigms. Studies in the social sciences. Preparation of a proposal for their thesis, dissertation, or creative component.	<b>3</b>
<b>AGED</b>	<b>6250</b>	<b>Seminar in Advanced Qualitative Research Methods.</b> Prerequisite: AGED 5983 or other graduate level social science research methods. Advanced qualitative research methods and analysis techniques presented in a Socratic context. Active engagement in qualitative research project to benefit from and contribute to this forum.	<b>1-2, max. 2</b>
<b>REMS</b>	<b>5953</b>	<b>Elementary Statistical Methods in Education.</b> Elementary statistical methods needed by consumers of educational research. Descriptive and inferential statistics.	<b>3</b>
<b>STAT</b>	<b>5043</b>	<b>Sample Survey Design.</b> Prerequisite: one of 4013, 4033, 5013 or consent of instructor. Constructing and analyzing personal, telephone and mail surveys. Descriptive surveys including simple random, stratified random designs. Questionnaire design, frame construction, non-sampling errors, use of random number tables, sample size estimation and other topics related to conduct of surveys.	<b>3</b>
<b>AGCM</b>	<b>5000</b>	<b>Research &amp; Thesis.</b> Prerequisite: graduate standing. Independent research and thesis under the direction and supervision of a major professor.	<b>1-6, max. 6 6<sup>a</sup>, 2<sup>b</sup></b>
<b>AGED</b>	<b>5000</b>	<b>Research &amp; Seminar.</b> Independent research and thesis under the direction and supervision of a major professor.	<b>1-6, max. 6 6<sup>a</sup>, 2<sup>b</sup></b>

<sup>a</sup>Thesis only. <sup>b</sup>Formal report.

## GRADUATE COLLEGE ACADEMIC CALENDAR

### Spring Semester 2005

<b>January 10, Monday</b>	Class work begins
<b>January 21, Friday</b>	Last day to file a diploma application in the Registrar's Office for spring candidates
<b>January 21, Friday</b>	Revised plan of study for spring degree candidates due in the Graduate College
<b>January 28, Friday</b>	Application for admission to summer candidacy due for doctoral and Ed.S. candidates
<b>March 25, Friday</b>	DRAFT copy of dissertation, thesis or formal report for spring candidates due in the Graduate College
<b>April 22, Friday</b>	FINAL COPIES of dissertation, thesis or formal report due in the Graduate College
<b>April 22, Friday</b>	Thesis/dissertation defense results due in the Graduate College
<b>May 6, Friday</b>	Class work ends
<b>May 6, Friday</b>	Graduate College Hooding Convocation

### Summer Semester 2005—Regular 8-Week Session

<b>June 6, Monday</b>	Class work begins
<b>June 10, Friday</b>	Last day to file a diploma application in the Registrar's Office for summer candidates
<b>June 10, Friday</b>	Revised plan of study for summer degree candidates due in the Graduate College
<b>June 10, Friday</b>	Application for admission to fall candidacy due for doctoral and Ed.S. candidates
<b>June 17, Friday</b>	DRAFT copy of dissertation, thesis or formal report for summer candidates due in the Graduate College
<b>July 15, Friday</b>	FINAL COPIES of dissertation, thesis or formal report due in the Graduate College
<b>July 15, Friday</b>	Thesis/dissertation defense results due in the Graduate College
<b>July 29, Friday</b>	Class work ends

### Fall Semester 2005

<b>Date</b>	<b>Event</b>
<b>August 22, Monday</b>	Class work begins
<b>September 2, Friday</b>	Last day to file a diploma application in the Registrar's Office for fall candidates
<b>September 2, Friday</b>	Revised plan of study for fall degree candidates due in the Graduate College
<b>October 28, Friday</b>	Application for admission to spring candidacy due for doctoral and Ed.S. candidates
<b>November 4, Friday</b>	DRAFT copy of dissertation, thesis or formal report for fall candidates due in the Graduate College
<b>December 2, Friday</b>	FINAL COPIES of dissertation, thesis or formal report due in the Graduate College
<b>December 2, Friday</b>	Thesis/dissertation defense results due in the Graduate College
<b>December 16, Friday</b>	Class work ends
<b>December 16, Friday</b>	Graduate College Hooding Convocation

## GRADUATE STUDENT TIMELINE AND PLANNING SCHEDULE

By following these steps, students will be able to complete their thesis or dissertation on time, and they will allow enough time to receive the full benefit of the advice of their committee and major advisor. Most of the dates referred to here may be found on the preceding page. These dates are announced in advance by the Graduate College and are strictly enforced.

1. Submit preliminary draft to major advisor two weeks before final draft due date (one week during the summer session).
2. Submit final draft to advisor by final draft due date and give copies to all committee members.
3. After the final draft is submitted, the major advisor will schedule a seminar and defense date.
4. The seminar and defense should be held at least two weeks before final copies are due (one week during the summer session).
5. Submit final copies of the thesis or dissertation by the due date.

### *Sample student schedules.*

<b>Document and Defense</b>	<b>Spring 2005</b>	<b>Summer 2005</b>	<b>Fall 2005</b>
Preliminary Draft Due Date to Major Advisor (two weeks before final draft due)	Mar. 11	June 10	Oct. 21
*Final Draft Due Date Signed by advisor Copies to all committee members	Mar. 25	June 17	Nov. 4
Latest Seminar and Defense Date	Apr. 8	July 8	Nov. 18
*Final Copies Due Date	Apr. 22	July 15	Dec. 2

**\*Note:** All of these dates are set by the Graduate College.

**AGRICULTURAL EDUCATION AND COMMUNICATIONS  
GRADUATE FACULTY**

**James G. Leising**, Department Head, Ph.D., Iowa State University.

Research Interests: Agricultural literacy, curriculum development, and models for agriculture teacher education.

**Cindy Blackwell**, Ph.D., Texas A&M University.

**David Dwayne Cartmell, II**, Ph.D., University of Missouri.

Research Interests: Media evaluation, urban/rural interface, and gatekeeping strategies.

**Charles B. Cox**, Ed.D., Oklahoma State University.

Research Interests: Youth development, volunteer management, and agricultural literacy.

**M. Craig Edwards**, Ph.D., Texas A&M University.

Research Interests: Time and teacher behaviors in student learning, preparation and induction of beginning agriculture teachers, the student teacher-cooperating teacher relationship, in-service education for mid- and late-career agriculture teachers, agricultural education in post-communist countries.

**Kathleen D. Kelsey**, Ph.D., Cornell University.

Research Interests: Stakeholder involvement in land-grant universities, and research and evaluation methods, especially qualitative methods.

**James P. Key**, Ed.D., North Carolina State University.

Research Interests: Water quality, evaluation, and distance education.

**Christian Morgan**, Ph.D., University of Florida.

Research Interests: Student internship placement and experiences, student career preparation, high school youth leadership instruction, student leadership knowledge and skills acquisition, undergraduate leadership program evaluation.

**Penny L. Pennington**, Ph.D., Texas A&M University.

Research Interests: Leadership education and studies.

**Shelly R. Sitton**, Ph.D., Oklahoma State University.

Research Interests: Agricultural communications, content analysis and curriculum evaluation.

**William G. Weeks**, Ph.D., Texas A&M University.

Research Interests: Leadership, teaching and learning.