

# COLLEGE of AGRICULTURE and HOME ECONOMICS

Dean and Chief Administrative Officer • *Jerry G. Schickedanz*

Associate Dean and Director of Academic Programs • *Wesley Holley*

Associate Dean and Director of the Cooperative Extension Service • *Paul Gutierrez*

Associate Dean and Director of the Agricultural Experiment Station • *LeRoy A. Daugherty*

Scholarship Coordinator • *Edward Rodriguez*

**Bachelor of Science in Agriculture**—Majors in Agricultural Biology, Agricultural Economics and Agricultural Business, Agricultural and Extension Education, Agronomy, Soil Science, Animal Science, Rangeland Resources, Wildlife Science, General Agriculture, and Horticulture. Programs in Preventive Veterinary Medicine and Preforestry

**Bachelor of Science in Family and Consumer Sciences**—Majors in Clothing, Textiles, and Fashion Merchandising; Family and Consumer Science Education; Family and Child Science; and Human Nutrition and Food Science

**Bachelor of Science in Hotel, Restaurant, and Tourism Management**

**Bachelor of Science in Environmental Science**

## Requirements for Bachelors of Science in Agriculture; Family and Consumer Sciences; and Hotel, Restaurant, and Tourism Management

1. Constants or courses required of all qualifying for this degree.
2. General education requirements.
3. Courses to be taken in the particular field of your major interest.
4. A minimum of 35 semester credits from the College of Agriculture and

Home Economics and enrollment in a major of the college while taking the last 30 credits used to meet degree requirements

5. Free electives sufficient to bring the total number of credits to a minimum of 128 semester credits. Of this total at least 54 semester credits must be in upper-division courses (numbered 300 or above).

6. A grade-point average of not less than 2.0.

## Requirements for Bachelor of Science in Environmental Science, Major Environmental Science

The requirements for the degree are the same as the above except for #4. Instead, the degree requires a minimum of 35 semester credits from courses with E S designation.

## Typical Curricula in Agriculture

The following suggested curricula are presented for your guidance. With the consent of the head of the department in which you are majoring, you may select electives and changes in a curriculum except in the case of constants.

## DEGREE: Bachelor of Science in Agriculture

### MAJOR: General Agriculture

The curriculum in General Agriculture is administered by the Department of Entomology, Plant Pathology, and Weed Science for the Technical Agricultural Science option, and the Department of Agricultural and Extension Education for the Behavioral Agricultural Science option.

### Technical Agricultural Science Option

#### Freshman year

Freshman year	
ENGL 111G, Rhetoric and Composition.....	4
BIOL 111G, Principles of Biology, or BIOL 211G, Cellular and Organismal Biology .....	3
HORT 100G, Introductory Plant Science.....	4
Mathematics elective .....	3
Agriculture, lower division .....	12
Elective.....	6

#### Sophomore year

CHEM 111, 112, General Chemistry I, II.....	8
AXED 201G, Effective Leadership and Communication in Agricultural Organizations, or COMM 253G, Public Speaking, or COMM 265G, Principles of Human Communication .....	3
ECON 201G, Introduction to Economics, or ECON 251G, Principles of Macroeconomics, or ECON 252G, Principles of Microeconomics .....	3
SOIL 252, Soils.....	3
SOIL 252L, Soils Laboratory.....	1
Agriculture electives.....	7
Elective.....	4
General education requirement.....	3

#### Junior year

AGRO 305, Principles of Genetics .....	3
ENGL 311G, Advanced Composition, or ENGL 318G, Advanced Technical and Professional Communication.....	3
EPWS 303, Economic Entomology .....	4
E ST 311G, Statistical Applications .....	3
Agriculture economics elective.....	3
Animal science, upper-division.....	3
Chemistry or physics.....	4
Part III, General Education Requirements .....	3
Plant science, upper-division .....	3
Elective.....	3

#### Senior year

ANSC 304, Feeds and Feeding .....	3
EPWS 310, Plant Pathology.....	4
Agricultural economics electives.....	3
Animal science, upper-division.....	3
Part III, General Education requirements .....	3
Elective.....	13
Plant science, upper-division .....	3

### Behavioral Agricultural Science Option

#### Freshman year

AG E 100, Introductory Agricultural Economics and Business.....	3
AG E 250G, Life with Microcomputers .....	3
AXED 100, Introduction to Agricultural Extension Education .....	3
AXED 105, Techniques in Agricultural Mechanization .....	3
BIOL 111/111L, Natural History of Life/Lab.....	4
ENGL 111G, Rhetoric and Composition.....	4
MATH (Basic Skills).....	3-4
General education requirement (fine arts) .....	3
Agriculture, lower division .....	6-7

#### Sophomore year

AG E 305, Marketing and Pricing Agricultural Products.....	3
AXED 201G, Effective Leadership and Communication in Agricultural Organizations .....	3
AXED 303, Small Engine Technology.....	3
CHEM 110G, Principles and Applications of Chemistry .....	4
ECON 337G or 384G, Natural or Water Resource Economics (WWW).....	3
GEOL 111G, Survey of Geology .....	4
HIST 201G or 202G, Early or Recent American History .....	3
Agriculture, lower and upper division.....	6

General education requirement (English).....3  
 MATH (General Education) .....3

**Junior year**

AXED 415 or 430, Youth Program Development and Management,  
 or Teaching Adults in Nonformal Settings .....3  
 PHYS 110G, The Great Ideas of Physics.....4  
 General education requirement (Human Thought and Behavior).....3  
 General education requirement (Social Analysis).....3  
 General education requirement (second VWW course).....3  
 Agricultural economics electives.....3  
 Agriculture, lower and upper division.....9-10  
 Electives .....6

**Senior year**

AXED 421 or 444, Curriculum and Instruction: The Problem-Solving Approach  
 in Vocational/Technical Education,  
 or Planning and Methods in Nonformal Education .....3  
 Agricultural mechanics, upper division.....3  
 Agricultural economics electives.....6  
 Agriculture, upper division .....12  
 Electives sufficient to bring total credits to 128

**Veterinary Medicine**

**(Preprofessional Training Only, Nondegree)**

The Doctor of Veterinary Medicine (D.V.M.) degree is a professional degree that is not offered by any college or university in New Mexico; however, you may complete at New Mexico State University the preparatory program required for admittance to the professional colleges of veterinary medicine.

The D.V.M. degree normally requires four years of training in a professional college subsequent to completion of a preveterinary program that requires at least three years of college-level instruction. In most instances a baccalaureate degree is a distinct advantage to the applicant.

Curriculum requirements are determined by the particular school or college of veterinary medicine. The Department of Animal and Range Sciences maintains current requirements for Colorado State University, Washington State, Oregon State, Texas A&M. You should check with an adviser for specific course requirements. As a student from New Mexico, you may be eligible for financial assistance under the program of the Western Interstate Commission for Higher Education (WICHE). See the section on WICHE in the "General Information" chapter under "Student Services" for more information.

**AGRICULTURAL  
 and EXTENSION EDUCATION**

**Professor Thomas J. Dormody, department head**  
*Professors* Gleason, Hamilton, Holley, SeEVERS, VanLeeuwen;  
*Associate Professor* Rosencrans; *Assistant Professors* Castillo,  
 Chamberlin, Hodnett  
 (505) 646-4511

**DEGREE:** Bachelor of Science in Agriculture  
**MAJOR:** Agricultural and Extension Education  
**OPTION:** Agricultural Education Teaching  
**OPTION:** Extension and Nonformal Education  
**OPTION:** Agricultural Communications  
**OPTION:** Advanced Technology Education  
**MINOR:** Agricultural and Extension Education

The department offers a broad-based curriculum in agricultural, technology, and extension education with options for students interested in preparing for the many careers as professional educators in agriculture, technology, and related disciplines. A flexible curriculum allows you to develop individualized programs if you wish to prepare for a career as an agricultural or technology instructor, extension professional, media specialist, and agency and industry educational professional in domestic and/or international settings.

The department offers a minor in agricultural and extension education, which may be earned by completion of 18 credits in the department. The minor must include 9 credits of upper-division courses with a minimum of two courses at the 400 level.

**GENERAL REQUIREMENTS**

You must meet the general education and college requirements for the Bachelor of Science degree. You must establish a cumulative grade-point average of not less than 2.5 before you are admitted into the student teaching, extension field experience, or internship program. If you wish to teach in a public school, you must take/pass the New Mexico Assessment of Teacher Basic Skills before student teaching (AXED 447). And should take/pass the New Mexico Assessment of Secondary Level of the Teacher Competency before graduation. You need a minimum of 48 hours in technical agriculture for the secondary teaching certificate program in agriculture and are required to take 54 credit hours of upper-division courses (300+). In addition to the general education and technical subject matter requirements, you must complete all of the professional education courses in the option selected.

You may select technical courses required for completion of the major from the following areas: animal and range sciences; agricultural mechanics; agricultural economics; agronomy and soil sciences, horticultural science, entomology, plant pathology, and weed science; fishery and wildlife sciences; and engineering. Selected courses for the major's four options are:

**OPTION: Agricultural Education Teaching**

AXED 100, Introduction to Agricultural, Extension, and Technology Education .....3  
 AXED 201G, Effective Leadership and Communication in Agricultural Organizations .....3  
 AXED 230, Early Field-Based Experience .....1  
 AXED 440, Methods in Career and Technical Laboratory Instruction.....2  
 AXED 445, Planning and Methods in Career and Technical Education.....3  
 AXED 446, Methods of Teaching Agricultural and Technology Education .....6  
 AXED 447, Directed Teaching in Agricultural and Technology Education .6-10  
 RDG 414, Content Area Literacy .....3  
 SPED 350, Survey of Programs for Exceptional Learners .....3

**OPTION: Extension and Nonformal Education**

AXED 100, Introduction to Agricultural, Extension, and Technology Education .....3  
 AXED 201G, Effective Leadership and Communication in Agricultural Organizations .....3  
 AXED 230, Early Field-Based Experience .....1  
 AXED 360, Agricultural Communications .....3  
 AXED 415, Youth Program Development and Management.....3  
 AXED 444, Planning and Methods in Nonformal Education .....3  
 AXED 446, Methods of Teaching Agricultural and Technology Education .....6  
 AXED 448, Directed Teaching in Extension Education .....4-10

**OPTION: Agricultural Communications**

AXED 100, Introduction to Agricultural, Extension, and Technology Education .....3  
 AXED 201G, Effective Leadership and Communication in Agricultural Organizations .....3  
 AXED 230, Early Field-Based Experience .....1  
 AXED 360, Agricultural Communications .....3  
 AXED 444, Planning and Methods in Nonformal Education .....3  
 AXED 449, Internship in Agricultural or Technology Education .....4-10  
 AXED 490, Independent Study in Agricultural Communications .....3  
 JOUR 105G, Introduction to Mass Communications.....3  
 JOUR 110, Writing for the Mass Media .....3  
 JOUR 210, Writing for the Print Media.....3  
 JOUR 313, Radio Reporting .....3  
 JOUR 319, Photojournalism I .....3  
 JOUR 374, Principles of Public Relations .....3

**OPTION: Advanced Technology Education**

AXED 100, Introduction to Agricultural, Extension, and Technology Education .....3  
 AXED 201G, Effective Leadership and Communication in Agricultural Organizations .....3  
 AXED 440, Methods in Career and Technical Laboratory Instruction.....2