

COLLEGE of AGRICULTURE and HOME ECONOMICS

Dean and Chief Administrative Officer • *Lowell Catlett*

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 Preveterinary 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 Settings3
 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
 Electives6

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 division12
 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 Chemical Sales
- Agricultural Records and Financial Controls
- International Agricultural Business
- International Development
- Environmental Economics
- Pre-Law
- MS-Prep

COLLEGE REQUIREMENTS

College required constants are listed under the heading "College of Agriculture and Home Economics." Specific courses meeting these and the university general education requirements are included below in departmental requirements. A total of 128 credits are required for graduation. At least 54 credits must be at the 300+ level. You will develop schedules for specific semesters with the help of your academic adviser.

GENERAL AND DEPARTMENTAL REQUIREMENTS

Verbal and Written

ENGL 111G, Rhetoric and Composition.....4
 ENGL 203G, 211G, 218G, 311G, or 318G3
 COMM 253G or 265G or AXED 201G3

Quantitative

MATH 120, Intermediate Algebra3
 MATH 142G, Calculus for the Biological and
 Management Sciences I3
 E ST 311G, Statistical Applications3

Computer

AG E 250G, Life with Microcomputers3
 AG E 450G, Advanced Microcomputer Applications in Agriculture.....3

General Education

General education courses are designated by a G suffix in the list of general education courses in the "General Information" chapter.

General education science with lab.....4
 Historical Perspectives3
 Human Thought/Behavior3
 Literature or Fine Arts3
 Viewing a Wider World.....6

General Business

ACCT 251, Management Accounting3
 ACCT 252, Financial Accounting.....3
 MKTG 300+ course.....3
 MGT 309, Human Relations in Business or MGT 332, Human Resources Management3
 FIN 341, Financial Analysis and Markets3
 BLAW 317, Business Law I, or BLAW 316, Legal Environment of Business3

Economic Theory

ECON 251G, Principles of Macroeconomics.....3
 ECON 252G, Principles of Microeconomics3
 ECON 371, Intermediate Microeconomic Theory3
 ECON 372, Intermediate Macroeconomic Theory.....3

Applied Economics/Business

AG E 100, Introductory Agricultural Economics and Business3
 AG E 236, Agribusiness Management Principles3
 AG E 305/MKTG 305, Marketing and Pricing Agricultural Products.....3
 AG E 337G/ECON 337G, Natural Resource Economics or AG E 384G/ECON 384G,
 Water Resource Economics.....3
 AG E 400, Seminar3
 AG E 425, Agribusiness Financial Management.....3
 AG E 445G, Agricultural Policy3
 AG E 385, Applied Production Economics3
 AG E 499, Senior Project or AG E 456, Agribusiness Management.....3

In addition to the department and general requirements listed above, you may also select 15 hours from one of the fifteen available areas of concentration. The specific class requirements for each option are on file in the department and are available either through general advising and/or by request.

**AGRICULTURAL ECONOMICS
 and AGRICULTURAL BUSINESS**

Professor Octavio A. Ramirez, department head

Professors Catlett, Clary, Diemer, Falk, Fowler, Gorman, Libbin, Skaggs, Torell, Ward; *Assistant Professors* Hadjigeorgalis, Hawkes, Hurd, Lillywhite; *College Associate Professor* Bullock, Crawford; *Adjunct Associate Professor* Dewitt; *Adjunct Assistant Professor* Alvarez
 (505) 646-3215

DEGREE: Bachelor of Science in Agriculture

MAJOR: Agricultural Economics and Agricultural Business

AREAS OF CONCENTRATION:

- Farm Business Management
- Ranch Business Management
- Marketing and Sales
- Business Management
- Finance
- Computer Applications and Data Management
- Agricultural Communications
- Natural Resources Management