

# College of Agriculture and Natural Resources

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The College of Agriculture and Natural Resources includes the Department of Agricultural Education and Communication; the Department of Animal Science; and the Department of Wildlife and Natural Resources. Each offers the M.S. degree with both thesis and non-thesis options. The departments are interdependent and use common resources in developing and offering specialized programs appealing to a broad array of graduate student interests.

The College's graduate students are known for high performance and for contributions to their professions in all areas of agriculture. All career tracks are designed with the goal of providing graduates with the academic background to compete in the employment market or continue their graduate studies.

The Tarleton Agriculture Center is central to our opportunities for graduate instruction. Agriculture Center facilities include the Southwest Regional Dairy; the Animal and Plant Science Center with six state of the art laboratories, four greenhouses, 42,000 sq. ft. covered animal working area, and a retail merchandizing center (The Purple Tractor); the Equine Center with indoor arena, dedicated laboratory space, and stallion barn; the Meats Laboratory; a beef cattle feedlot; The Agriculture Field Machinery and Fabrication Center with laboratories dedicated to metal fabrication, structures, and small engines, a computer lab, three classrooms, a multi-purpose room, and a spacious and well-equipped kitchen; a confinement swine operation; and an aquaponics/hydroponics center. Livestock includes dairy cattle, beef cattle, horses, sheep, goats, swine, and aquatic species. All facilities and other resources at the Tarleton Agriculture Center are available for graduate student use for research opportunities.

## Academic Programs in Agriculture and Natural Resources

College of Agriculture and Natural Resources

1. Doctor of Philosophy - Animal and Natural Resource Sciences (pending SACSCOC approval)

Department of Agricultural Education and Communication

1. Master of Science - Agricultural and Consumer Resources (thesis and non-thesis tracks)
2. Master of Science - Agricultural Economics (thesis and non-thesis tracks)
  - a. Agricultural Economics-thesis track
  - b. Agribusiness-non-thesis track

Department of Animal Science

1. Master of Science - Animal Science (thesis and non-thesis tracks)

Department of Wildlife and Natural Resources

1. Master of Science - Agricultural and Natural Resource Sciences (thesis and non-thesis tracks)

## PhD in Animal and Natural Resource Sciences

A unique program that reaches across disciplines to solve problems associated with maximizing energy and food production while conserving natural resources in the face of increased environmental stressors. No other program in the southwestern United States explicitly focuses on preparing students to balance these competing factors. The program integrates the animal sciences, natural resource sciences, and social sciences to breach disciplinary walls and leverage multidisciplinary synergies to address novel, Twenty-first Century challenges. Graduates of the program will be equipped to increase America's food production capacity, conserve natural resources, enhance ecosystem services, and resolve resource conflicts. They will be prepared to conduct cutting-edge, multidisciplinary research; disseminate knowledge to students, managers, and policy-makers; and pursue careers as practitioners for private industry, government agencies, and non-governmental organizations. ***This program is pending SACSCOC approval.***

## Doctor of Philosophy in Animal and Natural Resource Sciences

### Field of Study Courses

6000/7000 level electives (6 hours must be ANRS) - must be approved by the student's committee	36
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### Other Required Courses

ARSC 6185	Graduate Seminar in Animal & Range Science <sup>1</sup>	6
ARSC 7088	Dissertation	18

<b>Total Hours</b>		<b>60</b>
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<sup>1</sup> Must repeat for total of 6 hours.