



Department of
ANIMAL AND RANGELAND SCIENCES

Creating synergy with humans, animals, and rangelands for current and future generations, the Department of Animal and Rangeland Sciences provides science-based information that advances ecologically, socially, and economically resilient communities. OSU has the first online Rangeland Sciences undergraduate degree that meets the requirements by Federal agencies for employment. Students are placed as veterinarians, land managers, and in livestock and allied industries.

Degree Programs

Undergraduate

- Animal Sciences B.S | Minor
- Rangeland Sciences B.S | Minor

Graduate

- Animal Sciences M.S. | Ph.D.
- Rangeland Ecology & Management M.S. | Ph.D.

Study Focus Areas

- Animal Behavior
- Animal BioHealth / Pre-Professional
- Animal Production
- Equine
- Rangeland Sciences
- Habitat Management
- Pastoral Systems of the World
- Sustainable Livestock Ranching
- Sustainable Rangeland Ecosystem Stewardship



Faces of AgSci

“ I wanted my education to better reflect ‘real life’ scientific inquiry and exploration.

Ian Thompson

Read more at agsci.oregonstate.edu

ANIMAL AND RANGELAND SCIENCES AT A GLANCE

40



Faculty

383



Undergraduate Students

30

Graduate Students

Experiential Learning Opportunities

Undergraduate students in Animal and Rangeland Sciences learn the most advanced scientific tools and concepts in the industry while gaining real-world experience applying that knowledge in the field. Experiential learning programs include research and internship opportunities with:

- Beef Cattle Ranches
- Clark Meat Lab (including Beaver Classic meats)
- Dairy Farm
- Horse Center
- Sheep Barn
- Steer-A-Year Program
- Eastern Oregon Agricultural Research Centers

Research

Research faculty are located in Corvallis and the Eastern Oregon Agricultural Research Centers in Burns and Union.

2022 Research Expenditures: \$4,641,687

Research Focus Areas:

- Animal Behavior
- Ecohydrology
- Pasture and Grazing Management
- Rangeland Ecology
- Ruminant and Nonruminant Nutrition
- Reproductive Physiology

Extension Highlights

Through programs that advance OSU's land-grant mission to serve the people Oregon and beyond, to industry training and resources for K-12 teachers, the Department of Animal and Rangeland Sciences is engaged in our communities with focus in a variety of critical agricultural and natural resource areas:

- Education and outreach on beef cattle nutrition, reproduction, genetics, management, precision technology tools, and marketing to support our state's #2 agricultural commodity
- Rangeland conservation and management including rangeland and riparian assessment and monitoring
- Integrated rangeland and fire management
- Providing education to dairy producers and the wider community along with investigating environmental effects on animal health and performance
- Provide education for the equine community on nutrition, reproduction, and natural resource management
- Economic forage production and management of pastures for livestock
- Drought resilient forage management and pest mitigation
- Helping to sustain sheep and goat production for meat, milk, and fiber.
- Providing outreach and collaboration with Oregon's swine producers
- Wildlife and livestock interactions and collaborative wildlife habitat conservation

The Future of Animal and Rangeland Sciences

Cattle and calves, dairy products and milk, and hay are consistently among the top agricultural commodities in Oregon annually. Sales of these commodities have fluctuated over time as a result of a number of factors including international trade, competition, government regulation and changes in public perception. Over 53% of Oregon land is federally managed and the cattle and calves sector is particularly reliant on grazing access to federal lands, and as a consequence, these producers are subject to numerous environmental considerations and competing uses on grazing allotments. With the increase in market, regulatory and production pressures on these industries, the department is invested in meeting the needs identified in the recently completed needs assessment conducted by the College in partnership with Oregon Cattlemen's Association, Oregon Dairy Farmers Association, Oregon Beef Council, Oregon Dairy and Nutrition Council.

In addition, there is tremendous growth surrounding companion animals and the department is poised to lead education in this segment. We offer more courses at the undergraduate level than any other universities in the U.S.

