

Learning outcomes for Natural Resources and Rangeland Ecology (2 Options: Range Ecology and Management, Wildlife Habitat Ecology and Management)

Our graduates will:

- 1. demonstrate the ability to develop sustainable management and habitat restoration plans by synthesizing and applying knowledge of rangeland and wildlife ecology, soils, and vegetation. [Knowledge]*
- 2. critically review and evaluate information to make decisions regarding the management of renewable resources in order to achieve conservation and management goals. [Critical Thinking]*
- 3. demonstrate effective written and oral communication skills and facilitate communication within collaborative environments. [communication and collaboration]*
- 4. use scientific principles to formulate questions, explore solutions, and problem solve in their chosen profession. [problem solving]*
- 5. practice ethical conduct appropriate to their professional community and advocate for the responsible management of natural resources for current and future generations. [ethics]*

Learning Outcomes for Animal Sciences (3 Options: Equine Science, Livestock Management and Industry, and Animal Science, Science)

Our graduates will:

6. *design and evaluate animal management systems by synthesizing and applying knowledge of biological processes related to animals and the rangeland plants that support them. [knowledge]*
7. *identify and critically evaluate scientific or technical animal science content to make informed decisions providing a foundation for lifelong learning. [critical thinking]*
8. *demonstrate effective oral and written communication to a range of audiences and within collaborative environments. [communication and collaboration]*
9. *use scientific principles to formulate questions, explore solutions, and solve real-world problems and advocate based on science. [problem solving]*
10. *be able to actively engage in discussions of complex ethical issues in their profession. [ethics]*
11. *demonstrate animal husbandry and plant identification skills. [skills]*

Learning Outcomes for Animal & Range Sciences Graduate Program

For masters' students:

1. Conduct research resulting in an original thesis or dissertation
2. Demonstrate mastery of subject content knowledge and research/critical inquiry methodology
3. Demonstrate effective written communication of substantive content
4. Demonstrate effective oral communication of substantive content
5. Be able to conduct scholarly or professional activities in an ethical manner

For doctoral students:

1. Produce and defend an original significant contribution to knowledge
2. Demonstrate mastery of subject content knowledge and research/critical inquiry methodology
3. Demonstrate excellence in written communication of substantive content
4. Demonstrate excellence in oral communication of substantive content
5. Be able to conduct scholarly and professional activities in an ethical manner
6. Demonstrate professionalization into the field of study as demonstrated through publications, presentations, funded fellowships, professional association activities, professional experience, etc.