

Program:	Rangeland Ecology & Management
Degree:	BS
Department:	Ecosystem Science & Management
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Outcome	Master the depth of knowledge required for a degree
Marketable Skills	<ul style="list-style-type: none"> • Regulate grazing, and help ranchers plan and organize grazing systems in order to manage, improve and protect rangelands and maximize their use. • Measure and assess vegetation resources for biological assessment companies, environmental impact statements, and rangeland monitoring programs. • Maintain soil stability and vegetation for non-grazing uses, such as wildlife habitats and outdoor recreation. • Mediate agreements among rangeland users and preservationists as to appropriate land use and management. • Manage forage resources through fire, herbicide use, or revegetation to maintain a sustainable yield from the land.

Outcome	Demonstrate critical thinking
Marketable Skills	<ul style="list-style-type: none"> • Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions. • Considering the relative costs and benefits of potential actions to choose the most appropriate one. • Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. • Observing, receiving, and otherwise obtaining information from all relevant sources. • Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts. • Analyzing information and evaluating results to choose the best solution and solve problems.

Outcome	Communicate effectively
Marketable Skills	<ul style="list-style-type: none"> • Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar. • Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times. • Understanding written sentences and paragraphs in work related documents.

Outcome	Practice personal and social responsibility
Marketable Skills	<ul style="list-style-type: none"> • Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action. • Managing one's own time and the time of others.

Outcome	Demonstrate social, cultural, and global competencies
Marketable Skills	<ul style="list-style-type: none"> • Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction. • Being aware of others' reactions and understanding why they react as they do.

Outcome	Prepare to engage in life-long learning
Marketable Skills	<ul style="list-style-type: none"> • Understanding the implications of new information for both current and future problem-solving and decision-making. • Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.

Outcome	Work collaboratively
Marketable Skills	<ul style="list-style-type: none"> • Motivating, developing, and directing people as they work, identifying the best people for the job. • Bringing others together and trying to reconcile differences.

Notes:

- All marketable skills listed for this example program were drawn from the Knowledge, Skills, and Abilities identified by the US Department of Labor and Statistics for “rangeland ecology and management” as published on O*Net Online (onetonline.org)
- Alternate sources for degree-specific marketable skills include learning outcomes and associated metrics used for programmatic assessment
- Learning outcomes or skills required for programmatic accreditation