

RANGELAND MANAGEMENT UNDERGRADUATE ACADEMIC CERTIFICATE

This certificate is designed to help prepare students for positions that require professional knowledge and competence in rangeland management to perform work involving the preservation, development, and management of rangelands. The certificate focuses on coursework in range management, including courses in basic principles of range management, range plants, range ecology, range inventories and studies, range improvements, and ranch or rangeland planning. Students enrolled in the B.S. Rangeland Ecology and Management degree are not eligible for the certificate; however, students in other undergraduate natural resource or environmental science degree programs that complete this certificate will be prepared for positions that require meeting the federal GS-454 Rangeland Management (0454) qualification standards.

All required coursework must be completed with a grade of C or better (O-10-a (<https://catalog.uidaho.edu/general-requirements-academic-procedures/o-miscellaneous/>)).

| Code | Title | Hours |
|--------------------------------------|---|-----------|
| Range Principles | | |
| REM 4510 | Rangeland Issues and Management Principles | 2 |
| Range Plants | | |
| REM 2520 | Wildland Plant Identification | 2 |
| REM 2530 | Wildland Plant Identification Field Studies | 1 |
| Range Ecology | | |
| REM 4590 | Rangeland Ecology | 3 |
| or REM 4290 | Landscape Ecology | |
| Range Inventories and Studies | | |
| REM 4100 | Principles of Vegetation Monitoring and Measurement | 3 |
| Range Improvements | | |
| REM 2800 | Introduction to Wildland Restoration | 2 |
| REM 4400 | Restoration Ecology | 3 |
| Ranch or Rangeland Planning | | |
| REM 4560 | Integrated Rangeland Management | 3 |
| Total Hours | | 19 |

Courses to total 19 credits for this certificate

After completing the Certificate in Rangeland Ecology, students will be able to:

- 1) Identify and understand contemporary issues associated with range management and principles of sustainable rangeland management;
- 2) Identify rangeland plants, their characteristics, and uses;
- 3) Understand the ecology of rangeland systems and demonstrate how that information is relevant to rangeland management;
- 4) Demonstrate an understanding and application of rangeland ecology inventory methods;
- 5) Demonstrate the ability to apply ecological and management information to improve rangeland ecosystems; and
- 6) Demonstrate the ability to integrate and apply ecological principles of rangeland management in real-world settings.