The following course work prepares you for study and management of rangelands through an integrated ecological approach with special emphasis on rangeland plants, livestock, wildlife, soils and watersheds. The course work is also well designed for those who want to continue study in graduate school. Any undergraduate student majoring in Range Science must earn a grade of C- or higher in Range Science (RGSC prefix) courses to satisfy degree requirements. Students earning a D or F in a Range Science (RGSC prefix) course will be expected to repeat that course until the student earns a grade of C- or higher.

### Requirements

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

### Prefix | Title | Credits
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**General Education**<br>
*Area I: Communications*<br>
| English Composition - Level 1 | 1 |<br>
| English Composition - Level 2 | 1 |<br>
| Oral Communication | 1 |<br>
**AXED 201G** | Effective Leadership and Communication in Agricultural Organizations | 3<br>
| or COMM 265G | Principles of Human Communication |<br>
*Area II: Mathematics*<br>
| MATH 121G | College Algebra | 3 |<br>
*Area III/IV: Laboratory Sciences and Social/Behavioral Sciences*<br>
| CHEM 111G | General Chemistry I | 4 |<br>
| CHEM 112G | General Chemistry II | 4 |<br>
| Select one from the following: | 3 |<br>
| ECON 201G | Introduction to Economics |<br>
| ECON 251G | Principles of Macroeconomics |<br>
| ECON 252G | Principles of Microeconomics |<br>
*Area V: Humanities*<br>
| PHIL 100G | Philosophy, Law and Ethics | 3 |<br>
| or PHIL 223G | Ethics |<br>
*Area VI: Creative and Fine Arts*<br>
| BIOL 111G | Natural History of Life | 3 |<br>
*General Education Elective*<br>
| Viewing A Wider World | 3 |<br>
*Non-Departmental Requirements (in addition to Gen.Ed/ VWW)*<br>
| Select one from the following: | 4 |<br>
| GEOG 381 | Cartography and Geographic Information Systems |<br>
| A 300/400-level GIS Course |<br>
| SOIL 252 | Soils | 3 |<br>
| SOIL 252 L | Soils Laboratory | 1 |<br>
| SOIL 472 | Soil Morphology and Classification | 4 |<br>
*Natural Resource Management*<br>
| AG E 337V | Natural Resource Economics |<br>
| AG E 384V | Water Resource Economics |<br>
| AG E 385 | Applied Production Economics |<br>
| AG E 456 | Case Studies in Food and Agribusiness Management |<br>
| FWCE 110G | Introduction to Natural Resources Management |<br>
| FWCE 255 | Principles of Fish and Wildlife Management |<br>
| FWCE 437 | Wildlife Damage Management |<br>
| RGSC 302V | Forestry and Society |<br>
| ANSC Elective | 3 |<br>
| ANSC 100 | Introductory Animal Science |<br>
| ANSC 304 | Feeds and Feeding |<br>
| ANSC 351V | Agricultural Animals of the World |<br>
| ANSC 422 | Animal Nutrition |<br>
| ANSC 426 | Beef Production: Cow-Calf Management |<br>
| ANSC 428 | Sheep and Wool Production |<br>
| ANSC 458 | Livestock Behavior, Welfare and Handling |<br>
| Second Language: (not required) |<br>
| Electives, to bring the total credits to 120 | 4 |<br>
| Total Credits | 120 |<br>

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1 See the General Education section of the catalog for a full list of courses
MATH 121G College Algebra is required for the degree but students may need to take any prerequisites needed to enter MATH 121G first.

See the Viewing a Wider World section of the catalog for a full list of courses.

Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credits and may appear in variable form based on the degree. However students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their advisor.