

RANGE SCIENCE - BACHELOR OF SCIENCE IN AGRICULTURE

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1220G College Algebra and ENGL 1110G Composition I. The contents and order of this roadmap may vary depending on initial student placement in mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

First Year

Semester 1		Credits
ENGL 1110G or ENGL 1110H	Composition I or Composition I Honors	4
MATH 1220G	College Algebra	3
RGSC 2110	Introduction to Rangeland Management	3
ACES 1120	Freshman Orientation	1
Area VI: Creative and Fine Arts ²		3
Elective		3
ANSC 1120	Introduction to Animal Science	
FWCE 1110G	Introduction to Natural Resources Management	
Credits		17

Semester 2

ACOM 1130G	Effective Leadership and Communication in Agriculture	3
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
PHIL 2110G or PHIL 1145G	Introduction to Ethics or Philosophy, Law, and Ethics	3
RGSC 1110	The Range Science Profession	1
BIOL 2610G	Principles of Biology: Biodiversity, Ecology, and Evolution	3
Designated Elective: choose from the following		3
FWCE 1110G	Introduction to Natural Resources Management	
ANSC 1120	Introduction to Animal Science	
Credits		17

Second Year

Semester 1		Credits
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
BIOL 2110G	Principles of Biology: Cellular and Molecular Biology	3
SOIL 2110	Introduction to Soil Science	3
SOIL 2110L	Introduction to Soil Science Laboratory	1
Choose from one of the following Area IV General Education Courses: ²		3
ECON 1110G	Survey of Economics	
ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics Honors	
Credits		14

Semester 2

RGSC 317	Rangeland Communities	3
RGSC 325	Rangeland Restoration Ecology	3
EPWS 314	Plant Physiology	3

A ST 311	Statistical Applications ¹	3
Choose from one of the following:		3-4
ANSC 1170	Introduction to Animal Metabolism (Spring Only) ¹	
CHEM 2115	Survey of Organic Chemistry and Laboratory ¹	
Credits		15-16

Third Year

Semester 1

RGSC 452	Vegetation Measurements for Rangeland Assessment ¹	4
RGSC 316	Rangeland Plants	3
SOIL 472	Soil Morphology and Classification	4
Viewing a Wider World		3
Credits		14

Semester 2

RGSC 357	Grass Taxonomy and Identification	3
RGSC 318	Watershed Management	3
GEOG 381	Cartography and GIS	4
RGSC 325	Rangeland Restoration Ecology	3
Choose a course from the Natural Resource Management List:		3
AEEC 3120V	Natural Resource Economics	
AEEC 3130V	Water Resource Economics	
AEEC 3280	Applied Production Economics	
AEEC 4530	Case Studies in Food and Agribusiness Management	
FWCE 437	Wildlife Damage Management	
FWCE 2110	Principles of Fish and Wildlife Management	
RGSC 302V	Forestry and Society	
Credits		16

Fourth Year

Semester 1

RGSC 402	Seminar	1
RGSC 440	Rangeland Resource Ecology	4
RGSC 440 L	Rangeland Resource Ecology Lab	1
Choose an elective course. Consider requirement for a minor		3
Choose from one of the following Natural Resource Management courses:		3-4
AEEC 3120V	Natural Resource Economics	
AEEC 3130V	Water Resource Economics (Spring Only)	
AEEC 3280	Applied Production Economics (Fall Only)	
AEEC 4530	Case Studies in Food and Agribusiness Management (Spring Only)	
FWCE 437	Wildlife Damage Management	
FWCE 2110	Principles of Fish and Wildlife Management	
RGSC 302V	Forestry and Society	
Credits		12-13

Semester 2

RGSC 460	Rangeland and Natural Resource Planning and Management	4
ENGL 2210G	Professional and Technical Communication	3
Viewing a Wider World		3
Choose 6 credits of electives. Consider courses that may count towards a minor.		6
Credits		16
Total Credits		121-123

¹ These courses have prerequisites and it is the students responsibility for checking and fulfilling all course prerequisites listed for these courses.

² See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.

³ See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses.