

RANGELAND, WILDLIFE AND FISHERIES MANAGEMENT - BS, RANGELAND MANAGEMENT TRACK

Program Requirements

First Year

| | | Semester Credit Hours |
|--------------------------------|--|-----------------------------|
| Fall | | |
| ENGL 104 | Composition and Rhetoric | 3 |
| ESSM 201 | Exploring Ecosystem Science and Management | 1 |
| MATH 140 | Mathematics for Business and Social Sciences | 3 |
| REN205 | Fundamentals of Ecology | 3 |
| REN215 | Fundamentals of Ecology--Laboratory | 1 |
| Directed elective ¹ | | 4 |
| Semester Credit Hours | | 15 |

Spring

| | | |
|---|--|----|
| ENGL 210 or COMM 203 | Technical and Professional Writing or Public Speaking | 3 |
| HORT 201 & HORT 202 | Horticultural Science and Practices and Horticultural Science and Practices Laboratory | 4 |
| MATH 142 | Business Calculus | 3 |
| American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ² | | 3 |
| Semester Credit Hours | | 13 |

Second Year

| | | |
|---|---|----|
| Fall | | |
| ESSM 314 | Principles of Rangeland Management Around the World | 3 |
| POLS 206 | American National Government ² | 3 |
| RWFM 202 | Concepts in Applied Plant Biology | 3 |
| Select one of the following: | | 4 |
| BIOL 107 | Zoology | |
| BIOL 111 | Introductory Biology I | |
| BIOL 112 | Introductory Biology II | |
| American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ² | | 3 |
| Semester Credit Hours | | 16 |

Spring

| | | |
|-----------------------|---|----|
| AGEC 105 | Introduction to Agricultural Economics | 3 |
| CHEM 119 | Fundamentals of Chemistry I | 4 |
| ESSM 301 | Wildland Watershed Management | 3 |
| POLS 207 | State and Local Government ² | 3 |
| Semester Credit Hours | | 13 |

Third Year

| | | |
|-----------------------|-----------------------------------|----|
| Fall | | |
| ESSM 302 | Wildland Plants of North America | 3 |
| REN2375 | Conservation of Natural Resources | 3 |
| RWFM 321 | Communicating Natural Resources | 3 |
| SCSC 301 | Soil Science | 4 |
| STAT 302 | Statistical Methods | 3 |
| Semester Credit Hours | | 16 |

Spring

| | | |
|---|--|----|
| AGEC 325 | Principles of Farm and Ranch Management | 3 |
| ESSM 317 or ESSM 320 | Vegetation Management or Ecosystem Restoration and Management | 3 |
| RWFM 305 | Principles and Practices of Wildlife and Fisheries Management | 3 |
| WFSC 303 | Fish and Wildlife Laws and Administration | 3 |
| Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) ² | | 3 |
| Semester Credit Hours | | 15 |

Summer

| | | |
|-----------------------|-----------------------------|---|
| REN2345 | Park Ecology and Management | 3 |
| Semester Credit Hours | | 3 |

Fourth Year

| | | |
|--------------------------------|---|----|
| Fall | | |
| ESSM 313 | Vegetation Sampling Methods and Designs in Ecosystems | 3 |
| ESSM 316 | Range Ecology | 3 |
| ESSM 303 or ESSM 304 | Agrostology or Rangeland Plant Taxonomy | 3 |
| Directed elective ¹ | | 6 |
| Semester Credit Hours | | 15 |

Spring

| | | |
|--|---|----|
| ESSM 351/ REN2405 | Geographic Information Systems for Resource Management | 3 |
| ESSM 481 | Senior Seminar | 1 |
| REN2410 or ESSM 415 | Ecosystem Management or Range Analysis and Management Planning | 4 |
| Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts) ² | | 3 |
| Directed elective ¹ | | 3 |
| Semester Credit Hours | | 14 |

Total Semester Credit Hours 120

2 Rangeland, Wildlife and Fisheries Management - BS, Rangeland Management Track

¹ Direct electives to be chosen in consultation with Academic Advisor.

² Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) courses and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement. Select in consultation with an academic advisor.