

Department of Environment and Society
College of Natural Resources

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Effective for students beginning degree Summer Sem. 2009 thru Spring Sem. 2010

Admission Requirements For This Major

1. New freshmen admitted to USU in good standing qualify for admission to this major.
2. Transfer students from other institutions or from other USU majors need a 2.5 total GPA to be admitted to the Recreation Resource Management major in good standing. Special attention will be given to the amount of, and performance in, prerequisite math and science courses.

The Program

The Recreation Resource Management major prepares students for careers in managing outdoor recreation settings, such as public forests and rangelands, state and national parks, and wilderness areas; working in visitor centers or interpretive facilities; and working in related tourism and recreation businesses. Because these jobs require an understanding of both the land itself and the people who visit these areas, the major offers a solid foundation in both the biological and social sciences.

Students begin their college careers by building the academic foundation for future professional courses. The first two years are devoted to studying biology and chemistry, math and statistics, writing, and other topics that are important to outdoor recreation management. The first two years are also when students take most of their University Studies courses; several of these also fulfill departmental requirements. Transfer students who have completed their general education requirements elsewhere may need to take additional lower-division courses to be ready for professional courses.

Professional courses are taken mainly by juniors and seniors. Courses cover methods of planning and management; environmental interpretation; the sociology and psychology of recreation and the environment; and natural resources economics, history, and law. To better understand the land, students learn more about plant, animal, watershed, and soil science. There are also opportunities to learn important recreation skills, to work on projects that assist recreation management agencies, and to cooperatively manage sites for multiple resources in addition to recreation.

Career Opportunities

Recreation Resource Management graduates can find employment with public agencies, such as the U.S. Forest Service, Bureau of Land Management, and National Park Service. Jobs are also available with other agencies, state parks, and private recreation providers. Opportunities are available to work as environmental interpreters, recreation planners, park rangers, trail crew supervisors, ski area employees, visitor center directors, wilderness rangers, and similar occupations. Other students may choose to go on to graduate school for further study of recreation planning and management, and to eventually conduct research or teach at a college or university.

Degrees and Programs Offered Through This Department

- Environmental Studies:** Bachelor of Science (BS)
- Geography:** BS, Bachelor of Arts (BA), Master of Science (MS), and Master of Arts (MA)
- Recreation Resource Management:** BS, MS, and Doctor of Philosophy (PhD)
- Bioregional Planning:** MS
- Human Dimensions of Ecosystem Science and Management:** MS, PhD
- Ecology:** MS, PhD
- Natural Resources:** Master of Natural Resources (MNR)

Academic Advisement

All students should contact their academic advisor for assistance with course selection, program planning, and meeting graduation requirements. If they do not know who their advisor is, students should contact the Department of Environment and Society (NR 201) or the College of Natural Resources Academic Service Center (NR 120).

**Graduation Requirements:
BS Degree in Recreation Resource Management**

Minimum University Requirements*

Total credits	120
Grade point average (most majors require higher GPA)	2.00 GPA
Credits of C- or better	100
Credits of upper-division courses (#3000 or above)	40
USU credits	30
(20 of which must be upper division, including 10 required by major)	
Completion of approved major program of study	See department
Credits in minor (if required by department)	12
Credits in American Institutions (ECN 1500; HIST 1700, 2700, or 2710; POLS 1100; or USU 1300)	3
University Studies requirements	See below

*Colleges and departments may require more credits or a higher GPA. See requirements on this sheet.

**University Studies Requirements
for Recreation Resource Management Major**

Note: Approved University Studies courses and requirements are listed in the *General Catalog*. The most current listings are shown online at: <http://www.usu.edu/generalcatalog/>

General Education Requirements (30-34 credits)

Competency Requirements (9-10 credits)

Communications Literacy (CL1 and CL2) (6 credits)

ENGL 1010 (CL1) (3 credits) or satisfactory AP, CLEP, IBO, ACT, or SAT score

AND

ENGL 2010 (CL2) (3 credits) or satisfactory IBO score

Quantitative Literacy (QL) (3-4 credits)

MATH 1050 (4 credits)

OR

One MATH or STAT course requiring MATH 1050 as a prerequisite

OR

Satisfactory AP, CLEP, IBO, ACT, or SAT score

Computer and Information Literacy (0 credits)

Passing grade on six computer and information literacy related examinations. Students must pass all six examinations before earning 37 USU semester credits. (Effective Spring Semester 2010, students must fulfill this requirement prior to enrolling in ENGL 2010.)

Breadth Requirements (18-20 credits)

Select at least one approved course from each of the following six categories: **American Institutions (BAI)**, **Creative Arts (BCA)**, **Humanities (BHU)**, **Life Sciences (BLS)**, **Physical Sciences (BPS)**, and **Social Sciences (BSS)**. (CLEP or AP credit may be used.) At least two of the six breadth courses must be University Studies courses with a **USU prefix** (excluding USU 1000, 1010, 1100, 3330, 4900, and 6900). CHEM 1110 (BPS), BIOL 1010 (BLS), and ENVS 2340 (BSS) may be used toward this requirement.

Exploration Requirement (3-4 credits)

Choose an additional class from one of the following General Education categories: QL, BAI, BCA, BHU, BLS, BPS, or BSS. GEOG 1000 (BPS) or GEO 1110 (BPS) will fulfill this requirement for students in the Recreation Resource Management major.

Depth Education Requirements

Communications Intensive (CI) (2 courses)

WATS 3700 and ENVS 4500 will meet this requirement.

Quantitative Intensive (QI) (1 course)

ENVS 3500 will meet this requirement.

Depth Course Requirements (4 credits minimum, including 2 credits minimum completed in each of two courses)

Complete at least 2 credits in approved 3000-level or above courses from each of the following two categories: **Humanities and Creative Arts (DHA)** and **Life and Physical Sciences (DSC)**. *Either* WATS 3100 (DSC/CI) or ENVS 3600 (DSC), plus a course which has a DHA designation, will meet this requirement.

Recreation Resource Management Major Requirements (67-69 credits)

All courses required for the major and minor must be taken on an *A-B-C-D-F* basis. A grade of *C-* or better is required for all ENVS or GEOG courses taken to meet requirements for the major. Students graduating in this major **must have a 2.5 or higher GPA in all courses taken from departments within the College of Natural Resources.**

A. Disciplinary Foundation (15 credits)

Credits

- BIOL 1010 (BLS)** Biology and the Citizen (F,Sp,Su) 3
- BIOL 1020** Biological Discovery: A Lab Course (F,Sp) 1
- CHEM 1110 (BPS)** General Chemistry I (F,Sp) 4
- MATH 1050 (QL)** College Algebra (F,Sp,Su) 4
- STAT 2000 (QI)** Statistical Methods (F,Sp) 3

B. Professional Coursework (43-44 credits)

- ENVS 1990** Professional Orientation for Environment and Society (F) 2
- ENVS 2340 (BSS)** Natural Resources and Society (F,Sp) 3
- ENVS 3000** Natural Resources Policy and Economics (F) 4
- ENVS 3300** Fundamentals of Recreation Resources Management (F) 3
- ENVS 3500 (QI)** Quantitative Assessment of Environmental and Natural Resource Problems (F) 3
- ENVS 4000** Human Dimensions of Natural Resource Management (F) 3
- ENVS 4130** Recreation Policy and Planning (Sp) 3
- ENVS 4500 (CI)** Wildland Recreation Behavior (F) 3
- ENVS 4920** Special Projects in Recreation Management (F,Sp,Su) 3

Credits

- ENVS 5000** Collaborative Problem-Solving for Environment and Natural Resources (Sp) 3
- GEOG 1000 (BPS)** Physical Geography (F,Sp,Su) (3 cr) **or**
- GEO 1110 (BPS)** The Dynamic Earth: Physical Geology (F,Sp) (4 cr) 3 or 4
- WATS 2930** Introduction to Geographic Information Sciences (F) 4
- WATS 3700 (CI)** Fundamentals of Watershed Science (Sp) 3
- WILD 2200 (BLS)** Ecology of our Changing World (F,Sp) 3

C. Animal Course (select 3 credits)

- ENVS 3600 (DSC)** Living With Wildlife (Sp) 3
- WATS 3100 (CI/DSC)** Fish Diversity and Conservation (F) 3

D. Education/Interpretation Course (select 3 credits)

- ENVS 4600** Natural Resource Interpretation (F) 3
- ENVS 5110** Environmental Education (Sp) 3

E. Plant Course (select 3-4 credits)

- BIOL 3040 (DSC)** Plants and Civilization (F) 3
- PLSC 3500** The Structure and Function of Economic Crop Plants (Sp) 3
- WILD 3600** Wildland Plant Ecology and Identification (F) 4

F. Electives

Students may take the remainder of the 120 credits from any department. The guidelines described previously under "Breadth Requirements" and "Depth Education Requirements" should be consulted to ensure meeting University Studies Requirements.

Students who transfer to USU with an Associate of Arts (AA) or Associate of Science (AS) degree from an approved institution will have satisfied the General Education portion of the University Studies requirements, but will still need to complete the Depth Education portion.

Recreation Resource Management Major Recommended Four-Year Plan of Study

Students should meet regularly with their faculty advisor and carefully plan their academic program, keeping in mind that many upper-division courses have prerequisites and must be taken in sequence. Students following the recommended schedule listed below should be able to complete degree requirements in four years (eight semesters).

A. Freshman Year (28-29 credits)

Credits

Fall Semester (14-15 credits)

- ENGL 1010 (CL1)** Introduction to Writing: Academic Prose 3
- ENVS 1990** Professional Orientation for Environment and Society 2
- GEOG 1000 (BPS)** Physical Geography (3 cr) **or**
- GEO 1110 (BPS)** The Dynamic Earth: Physical Geology (4 cr) 3 or 4
- USU 1300 (BAI)** U.S. Institutions (3 cr) **or**
- Other approved Breadth American Institutions (BAI) course (3 cr) . . . 3
- USU 1320 (BHU)** Civilization: Humanities (3 cr) **or**
- Other approved Breadth Humanities (BHU) course (3 cr) 3

Spring Semester (14 credits)

- BIOL 1010 (BLS)** Biology and the Citizen 3
- BIOL 1020** Biological Discovery: A Lab Course 1
- ENVS 2340 (BSS)** Natural Resources and Society 3
- MATH 1050 (QL)** College Algebra 4
- USU 1330 (BCA)** Civilization: Creative Arts (3 cr) **or**
- Other approved Breadth Creative Arts (BCA) course (3 cr) 3

B. Sophomore Year (30-33 credits) Credits

Fall Semester (15-16 credits)

- CHEM 1110 (BPS) General Chemistry I 4
- ENVS 3300 Fundamentals of Recreation Resources Management . . . 3
- STAT 2000 (QI) Statistical Methods 3
- WILD 2200 (BLS) Ecology of our Changing World 3
- Elective course(s) 2-3

Spring Semester (15-17 credits)

- ENGL 2010 (CL2) Intermediate Writing: Research Writing
in a Persuasive Mode 3
- WATS 3700 (CI) Fundamentals of Watershed Science 3
- Depth Humanities and Creative Arts (DHA) course 2-3
- Plant or animal course. 3-4
- Elective course(s) 4

C. Junior Year (28-30 credits)

Fall Semester (14-15 credits)

- ENVS 3000 Natural Resources Policy and Economics 4
- ENVS 4500 (CI) Wildland Recreation Behavior 3
- WATS 2930 Introduction to Geographic Information
Sciences. 4
- Plant or animal course. 3-4

Spring Semester (14-15 credits)

- ENVS 4130 Recreation Policy and Planning 3
- Elective courses 11-12

D. Senior Year (29 credits)

Fall Semester (14 credits)

- ENVS 3500 (QI) Quantitative Assessment of Environmental
and Natural Resource Problems. 3
- ENVS 4000 Human Dimensions of Natural
Resource Management 3
- ENVS 4920 Special Projects in Recreation Management (3 cr) **or**
- Education/Interpretation course (3 cr) 3
- Elective course 5

Spring Semester (15 credits)

- ENVS 5000 Collaborative Problem-Solving for Environment
and Natural Resources 3
- ENVS 4920 Special Projects in Recreation Management (3 cr) **or**
- Education/Interpretation course (3 cr) 3
- Elective courses 9

**Recreation Resources Minor
(15 credits minimum)**

Students wishing to minor in Recreation Resources should contact the Department of Environment and Society to meet with the department's designated minor advisor. All courses required for the minor must be taken on an *A-B-C-D-F* basis. A grade of *C-* or better is required for all ENVS courses taken to meet requirements for the minor. A minimum GPA of 2.5 is required for courses taken to complete the minor.

A. Required Courses (12 credits)

Credits

- ENVS 3300 Fundamentals of Recreation Resources
Management (F) 3
- ENVS 4130 Recreation Policy and Planning (Sp) 3
- ENVS 4500 (CI) Wildland Recreation Behavior (F) 3
- ENVS 4600 Natural Resource Interpretation (F) 3

B. Elective Course (3 credits)

Select *one* of the following courses:

- ENVS 3330 Environment and Society (Sp) 3
- ENVS 4000 (DSS) Human Dimensions of Natural Resource
Management (F) 3
- ENVS 5110 Environmental Education (Sp) 3

Requirement Changes

Graduation requirements shown on this sheet are subject to change. Students should check with their faculty advisor regarding possible changes or for additional information regarding degree requirements, course sequencing, and departmental specialization options and their related coursework.

Materials for Persons with Disabilities

This requirement sheet is available in digital format, recordings, or large print upon request to the USU Disability Resource Center.

For information contact

Environment and Society Department; Natural Resources 201;
Utah State University; 5215 Old Main Hill; Logan UT 84322-5215;
tel. (435) 797-1790; <http://www.cnr.usu.edu/envs>

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