

# Environmental Science

## ASSOC OF SCIENCE

**Major code:** 1007

**Department:** Ag & Natural Resources

**Chair:** Justin Blazzard

**Advising:** Jeretta Shoemaker 541-881-5987; Marcus Nichols 541-881-5968

### PROGRAM OVERVIEW

The Environmental Science Degree will be housed in the Ag and Natural Resources Department. This degree will offer students that want to pursue a science-based career within the Ag and Natural Resources Industry. This degree will also effectively transfer to multiple 4 year institutions by allowing students to complete their general education courses in addition to higher level math, lab science and natural resources coursework.

### PROGRAM/DISCIPLINE OUTCOMES

Student who complete this area of study will be prepared to:

- Evaluate environments including- How succession works; why plants and animals live where they do; how to manipulate habitats for desired results; and understanding the hydrological cycle and how it affects natural resources.
- Effectively read maps, operate navigational equipment including GPS, Operate and utilize GIS software, and measure distance and area from USGS maps.
- Identify noxious weeds, range plants, forest plants, and shrubs.
- Identify wildlife species, wildlife habitats, critical habitats and important regional ecosystems.
- Understand the roles and responsibilities of state and federal agencies tasked with managing our environment. Including USFS, USFWS, NRCS, BLM, ODFW, IDFG, USGS, USBR, and USNPS.

### DISTRIBUTION REQUIREMENTS (28 CREDITS)

Math and Science Requirement Options:

CHEM 121, 122, 123 4 Credits

CHEM 221Z, 222Z, 223Z 4 Credits

GSCI 104, 106, 107 4 Credits

MATH 112, 113, 243, 244 4 Credits

MATH 251, 252 5 Credits

BIO 107, 234 4 Credits

PHYS 201, 202, 203 4 Credits

Geo-Spatial Requirement Options:

GEOG 101 4 Credits

GEOG 265 4 Credits

NATR 140 4 Credits

Arts & Letters 6 Credits

Social Science 6 Credits

### REQUIRED COURSES (62 CREDITS)

Courses are listed in suggested sequence.

#### YEAR 1

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
- BIOL 211	COLLEGE BIOLOGY.....	5
- BIOL 212	COLLEGE BIOLOGY.....	5
- BIOL 213	COLLEGE BIOLOGY.....	5
- COM 111 Z	PUBLIC SPEAKING.....	4
- FWR 101	NATURAL RESOURCES SEMINAR.....	1
- MATH 111 Z	PRECALCULUS I: FUNCTIONS.....	4
- NATR 103	APPLIED BOTANY.....	3
- NATR 111	INTRO TO NATURAL RESOURCES.....	5
- NATR 201	ENVIRONMENT & SOCIETY.....	3
- NATR 217	INTRO TO WATERSHED MANAGEMENT....	3
- NATR 221	INTRO TO NATURAL RESOURCE ECOLOGY.....	3
- WR 121 Z	COMPOSITION I.....	4
- WR 122 Z	COMPOSITION II.....	4

#### YEAR 2

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
- FOR 111	INTRODUCTION TO FORESTRY.....	3
- NATR 106	INTRO TO FIRE EFFECTS.....	3
- NATR 241	INTRO TO RANGE MANAGEMENT.....	4
- NATR 252	WILDLIFE MANAGEMENT.....	3

**Total number of credits..... 93**

#### ELECTIVES (3 CREDITS)

Electives