

# Natural Resources- Environmental Science Technician

## CERTIFICATE (ONE YEAR)

**Major code:** 3181  
**Department:** Ag & Natural Resources  
**Chair:** Sandra Porter  
**Advising:** Marcus Nichols 541-881-5968

### PROGRAM OVERVIEW

This certificate allows students to build fundamental knowledge in Natural Resources then customize their own education through three different concentrations. Students can choose from Field Mapping/Cartography and Natural Resource Conservation courses in order to create a customized program based on career goals. Successful graduates of this program may secure entry level positions as seasonal or temporary employees for state and federal agencies or private industry.

### PROGRAM/DISCIPLINE OUTCOMES

Students who complete the Natural Resources Environmental Technician Certificate of Completion will be prepared to:

- Demonstrate knowledge of multiple natural resource career opportunities both academically and professionally.
- Demonstrate knowledge of regional natural sites, their accompanying wildlife, natural resources, and various management and conservation practices.
- Display general knowledge of rangeland resources, forest ecosystems, soil characteristics, regional plants, and ecological succession through practical lab work and written assessment.
- Navigate terrain with the use of aerial maps, GPS units, and topographical maps.

### DUAL CREDIT (2+2)

Students will receive credit for Ag & Natural Resources classes taken in high school as equivalent to college classes provided that the high school classes are listed on a signed articulated on agreement between the specific high school and the college. Credit will be transcribed as equivalent to a parallel community college course.

### WORK BASED LEARNING

Students integrate classroom learning with work-based learning by participating in an internship (Cooperative Work Experience, NATR 280) at a supervised work site. Department Chair approval is required. Credits and grades are based on job hours worked, work performance, and completion of learning objectives specified in a learning contract.

### RELATED EDUCATIONAL REQUIREMENTS (13 CREDITS)

Students must have appropriate test scores in writing and math to enter the related courses listed. Students who test below the required level will be required to take preparatory courses. A college advisor will assist students with selecting the appropriate preparatory course or courses.

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
- COM 111Z	PUBLIC SPEAKING (4 credits) or SP 219 SMALL GROUP DISCUSSION (3 credits).....	3
- INED 157	EMPLOYMENT STRATEGIES.....	2
- MATH 063	TECHNICAL MATH I.....	4

- WR 115 INTRO TO COLLEGE WRITING..... 4

### REQUIRED COURSES (18 CREDITS)

Courses are listed in suggested sequence.

#### YEAR 1

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>
- NATR 280	Cooperative Work Experience.....	3
- FOR 111	INTRODUCTION TO FORESTRY.....	3
- FWR 101	NATURAL RESOURCES SEMINAR.....	1
- NATR 105	FIELD METHODS IN NATURAL RESOURCES.....	3
- NATR 111	INTRO TO NATURAL RESOURCES.....	5
- NATR 221	INTRO TO NATURAL RESOURCE ECOLOGY.....	3

**Total number of credits**..... 47

### ELECTIVES (16 CREDITS)

There is a specific list of electives you must choose from. Please see an advisor.