

## Natural Resources (OSU Transfer) Emphasis Associate of Science

### FOCUS AREA DESCRIPTION

The Associate of Science (Natural Resources/Oregon State University emphasis) is designed to fulfill 90-108 credits of the lower division requirements of a Bachelor of Science in Natural Resources, from Oregon State University - Cascades. Three options, NR Conservation and Technology, NR Policy and Management and Fish and Wildlife Conservation are available at OSU-Cascades and COCC. Other universities' requirements for a Natural Resources degree may be similar. Students planning to transfer to any university Natural Resources program should meet with a COCC Forest Resources Technology advisor to discuss current transfer requirements.

### PROGRAM ENTRANCE REQUIREMENTS

None

### PROGRAM PERFORMANCE STANDARDS

#### Academic Requirements

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

### PROGRAM COURSE REQUIREMENTS

#### Baccalaureate Core

WR 121	Academic Composition	4
	Choose one course from the Writing II list 1	3-4
	Choose one course from the Writing III list 1	4
	Mathematics	
	Met by Program Requirements	
HHP 295	Health and Fitness	3

#### Perspectives Courses<sup>1,2</sup>

Choose one course in each of the following categories:

##### Physical Science

Met by Program Requirements

Biological Science

Met by Program Requirements

##### Physical or Biological Science

Met by Program Requirements

Western Culture<sup>1</sup> 3-4

Literature and the Arts<sup>1</sup> 3-4

##### Social Processes and Institutions

Met by Program Requirements<sup>1</sup>

### PROGRAM REQUIREMENTS

Choose one option from the following<sup>3</sup>:

12-15

#### Option 1

BI 101	General Biology: Cells & Genes	
BI 102	General Biology: Evolution	
BI 103	General Biology: Ecology	

#### Option 2

BI 211	Principles of Biology I	
BI 212	Biology of Plants II	
BI 213	Biology of Animals III	

CH 104	Introduction to Chemistry I	5
or CH 221	General Chemistry I	
EC 201	Microeconomics	4
FOR 208	Soils: Sustainable Ecosystems	4
FW 212	Survey of Northwest Birds	2
or FW 218	Survey of Northwest Mammals	
FOR 235	Resource Measurements	4
FOR 240A	Forest Ecology	3
FOR 241A	Field Dendrology	3
or FOR 241B	Dendrology	
FOR 251	Recreational Resource Management	3-4
or ANTH 103	Cultural Anthropology	
FW 251	Wildlife Conservation	3
G 201	Geology I	4
or G 202	Geology II	
or GEOG 278	Physical Geography-Landforms and Water	
GEOG 265	Geographic Information Systems	4
GEOG 279	Physical Geography-Weather and Climate	4
MTH 243	Introduction to Probability and Statistics I	4
	Choose one from the following:	4
MTH 112	Trigonometry	
MTH 241	Calculus for Management/Social Science	
MTH 245	Mathematics for Management, Life, and Social Sciences	
MTH 251	Calculus I	

#### Natural Resources Options

Choose one of the following three options (see lists below):

4-12

NR Conservation and Technology Option

Fish and Wildlife Conservation Option

NR Policy and Management Option

#### Electives

Choose any course numbered 100 or above that brings the total credits to 90 quarter hours. This may include up to 12 credits of Career and Technical Education courses designated by COCC as acceptable

3

**Total Credits 90-106**

<sup>1</sup> Select from the appropriate category in the OSU Baccalaureate Core course list in the COCC catalog.

<sup>2</sup> No more than two courses (or lecture/lab combinations) from any one department may be used by a student to satisfy the Perspectives category of the core. GEO courses listed under Physical Science are considered to be from a different department than GEO courses listed under any other Perspective category.

<sup>3</sup> Option 2 is recommended.

### NATURAL RESOURCES OPTIONS

#### NR Conservation and Technology Option

FOR 230A	Map, Compass and GPS	3
FOR 230B	Forest Surveying	3
FOR 236	Aerial Photo	3
FOR 240B	Wildlife Ecology	3

**Total Credits 12**

#### Fish and Wildlife Conservation Option

FOR 111	Forestry Perspectives	4
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**Total Credits 4**

**NR Policy and Management Option**

FOR 111	Forestry Perspectives	4
Choose two of the following course options:		8
PHL 201	Problems of Philosophy-Epistemology	
PS 201	Intro US Government & Politics	
PSY 201	Mind and Brain	
or PSY 202	Mind and Society	
SOC 201	Introduction to Sociology	

**Total Credits 12****ADVISING NOTES**

The following requirement is not part of this AS degree but is required at OSU: Perspectives: Cultural Diversity category (see Baccalaureate Core list). Difference, Power and Discrimination is met by an upper division program requirement.