

NATURAL RESOURCES (OSU TRANSFER) EMPHASIS - ASSOCIATE OF SCIENCE (AS)

Description

The Natural Resources (OSU Transfer) Emphasis Associate of Science is designed to fulfill 90-106 credits of the lower-division requirements of a Bachelor of Science in Natural Resources at [Oregon State University-Cascades](#). A fish and wildlife conservation option and an individualized specialty option are available at OSU-Cascades and at Central Oregon Community College. Other universities' requirements for a natural resources degree may be similar. Students planning to transfer to any natural resources program should meet with a forest resources technology advisor to discuss transfer requirements.

Statewide General Education Student Learning Outcomes

Please see the [General Education page](#) for statewide general education student learning outcomes.

Entrance Requirements

While this program has no formal entrance requirements, individual courses may have prerequisites which must be met before enrollment.

Course Requirements

Course	Title	Credits
Baccalaureate Core		
Skills		
<u>Writing I:</u> ¹		4
<u>Writing II:</u> ¹		4
<u>Speech:</u> ¹		3-4
Mathematics: Met by Program Requirements		
<u>Fitness:</u> ¹		3
Perspectives Courses ^{1,2}		
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		
<u>Western Culture:</u> ¹		3-4
<u>Literature and the Arts:</u> ¹		3-4
Social Processes and Institutions: Met by Program Requirements ¹		
Program Requirements		
Choose one option from the following: ³		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	
BI 212	Principles of Biology	
BI 213	Principles of Biology	
CH 104	Introduction to Chemistry I ⁴	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
or FOR 260	Conservation of Natural Resources	
FW 251	Wildlife Conservation	3
G 201	Geology I - The Dynamic Earth	4
or G 202	Geology II - Earth's Surface	
or GEOG 278	Physical Geography: Landforms in Nature	
GEOG 265	Geographic Information Systems	4
GEOG 279	Physical Geography: From Severe Weather to Climate Change	4
MTH 243	Introduction to Probability and Statistics I	4
MTH 112	Trigonometry	4
or MTH 241	Calculus for Management/Social Science	
or MTH 251	Calculus I	

Natural Resources Options

Choose one of the following options (see lists below):	4-15
Fish and Wildlife Conservation Option	
Individualized Specialty 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. ⁵	3-4
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Total Credits **90-108**

- ¹ Select from the appropriate category in the [OSU Baccalaureate Core course list](#).
- ² 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.
- ³ Option 2 is recommended.
- ⁴ CH 221 is recommended if you take BI 211 Principles of Biology, BI 212 Principles of Biology and BI 213 Principles of Biology.
- ⁵ Consider FW 257 Hunting in Modern Society.

Natural Resources Options

Fish and Wildlife Conservation Option

Course	Title	Credits
FOR 111	Forestry Perspectives	4
Total Credits		4

Individualized Specialty Option

Course	Title	Credits
Choose four from the following:		8-15
FOR 111	Forestry Perspectives	
FOR 126	Field Studies Pacific NW Forests	
FOR 127	Plants of the Pacific Northwest	
FOR 230A	Map, Compass and GPS	
FOR 230B	Forest Surveying	
FOR 236	Aerial Photo	
FOR 240B	Wildlife Ecology	
FOR 271	Applied Forest Ecology	
FOR 272	Forest Entomology/Pathology	
FOR 273	Silviculture and Harvesting Systems	
Total Credits		8-15

Advising Notes

The following requirement is not part of the Associate of Science degree, but it is required at Oregon State University:

- Perspectives course, cultural diversity category (see the [Baccalaureate Core list](#))

The difference, power and discrimination requirement is met by an upper-division program requirement.

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

Sample Plan

First Term		Credits
FOR 240A	Forest Ecology	3
FOR 241A or FOR 241B	Field Dendrology or Dendrology	3
MTH 112 or MTH 241 or MTH 251	Trigonometry or Calculus for Management/Social Science or Calculus I	4
<u>Writing I:</u>		4
Credits		14
Second Term		
CH 104 or CH 221	Introduction to Chemistry I or General Chemistry I	5
FOR 235	Resource Measurements	4
FW 251	Wildlife Conservation	3
<u>Writing II:</u>		4
Credits		16
Third Term		
FOR 208	Soils: Sustainable Ecosystems	4
FW 212 or FW 218	Survey of Northwest Birds or Survey of Northwest Mammals	2
<u>Fitness:</u>		3

<u>Speech:</u>		3-4
<u>Western Culture:</u>		3-4
Credits		15-17
Fourth Term		
BI 211	Principles of Biology	5
G 201 or G 202 or GEOG 278	Geology I - The Dynamic Earth or Geology II - Earth's Surface or Physical Geography: Landforms in Nature	4
<u>Literature and the Arts:</u>		3-4
MTH 243	Introduction to Probability and Statistics I	4
Credits		16-17
Fifth Term		
BI 213	Principles of Biology	5
Fish and Wildlife Conservation Option Course (FOR 111)		4
GEOG 265	Geographic Information Systems	4
GEOG 279	Physical Geography: From Severe Weather to Climate Change	4
Credits		17
Sixth Term		
BI 212	Principles of Biology	5
EC 201	Microeconomics	4
FOR 251 or FOR 260 or FW 257	Recreational Resource Management or Conservation of Natural Resources or Hunting in Modern Society	3-4
Credits		12-13
Total Credits		90-94