# Natural Resources Core Requirements

(Complete one course from each category)

<table>
<thead>
<tr>
<th>Natural Resources Core Requirements</th>
<th>OSU Course</th>
<th>Chemeketa CC Course</th>
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</thead>
</table>
| Animal ID                           | FW 312: Systematics of Birds  
FW 316: Systematics of Fishes  
FW 318: Systematics of Mammals  
Z 477: Aquatic Entomology | Available Online |
| Atmospheric Science                 | ATS 210: Introduction to the Atmospheric Sciences  
ATS 320: *The Changing Climate  
GEO 323: *Climatology | GS 120  
Available Online |
| Biology I                           | BI 204* (or BI 101 or BI 211)  
BI 205* (or BI 102 or BI 212)  
BI 206* (or BI 103 or BI 213) | BI 211  
BI 212  
BI 213 |
| Biology II                          | BI 211  
BI 212  
BI 213 |
| Biology III                         | BI 211  
BI 212  
BI 213 |
| Chemistry                           | CH 121 or  
CH 231* and CH 261* | CH 121 or  
CH 221 |
| Communications                      | COMM 321. Introduction to Communication Theory  
COMM 328. Nonverbal Communication  
COMM 385. Communication and Culture in Cyberspace  
COMM 440. Theories of Conflict and Conflict Management  
COMM 442. Bargaining and Negotiation Processes  
FES 360. Collaboration and Conflict Management  
FES 485. *Consensus and Natural Resources  
FES 493. Environmental Interpretation | Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online |
| Earth Science                       | GEO 101. *The Solid Earth  
GEO 102. *The Surface of the Earth  
GEO 201. *Physical Geology  
GEO 202. *Earth Systems Science  
GEO 221. *Environmental Geology | Available Online  
Available Online  
G 201  
G 202  
Available Online |
| Environmental Assessment and Planning | ANS/FES/FW/SOC 485. *Consensus and Natural Resources  
FES 356. Planning for Recreation and Tourism  
FES/FW 445. Ecological Restoration  
FOR 459. Forest Resource Planning and Decision Making  
FW 435. *Wildlife in Agricultural Ecosystems  
GEO 423. Land Use in the American West  
PS 449. *Topics in Comparative Politics  
PS 477. International Environmental Politics and Policy  
RNG 421. Wildland Restoration and Ecology  
RNG 490. Rangeland Management Planning  
SUS 304. *Sustainability Assessment  
SUS 350. *Sustainable Communities | Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online |
BI 370. Ecology  
BOT 341. Plant Ecology  
FES 240. *Forest Biology  
FES 341. Forest Ecology | Available Online  
Available Online  
Available Online  
Available Online  
BI 103J  
Available Online |
| GIS                                 | FE 257. GIS and Forest Engineering Applications  
FOR 421. Spatial Analysis of Forested Landscapes  
FW 303. Survey of Geographic Information Systems in Natural Resource  
GEO 365. Introduction to Geographic Information Systems  
GEO 465. Geographic Information Systems and Science  
HORT 414. Information Systems in Agriculture | Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online |
| Managing Natural Resources for the Future | NR 201. Managing Natural Resources for the Future  
or Seminars—Natural Resources | Available Online |
### Mathematics
- MTH 112. *Elementary Functions*
- MTH 241. *Calculus for Management and Social Science*
- MTH 245. *Mathematics for Management, Life & Social Sciences*
- MTH 251. *Differential Calculus*

### Biological/Physical Science Measurements
- BI 371. *Ecological Methods*
- BOT 440. *Field Methods in Plant Ecology*
- FE 208. *Forest Surveying*
- FES 422 Research Methods in Social Science
- FOR 321. Forest Mensuration
- FW 255. Field Sampling of Fish and Wildlife
- GEO 451. Environmental Site Planning
- HDFS 361. Applied Research Methods
- RNG 441. Rangeland Analysis
- SOC 418. Qualitative Research Methods

### Social Science or Measurements
- FES 422. Research Methods in Social Science
- HDFS 361. Applied Research Methods
- SOC 418. Qualitative Research Methods

### Natural Resource Decision Making
- NR 455. Natural Resource Decision Making

### Natural Resource Policy
- FOR 460. *Forest Policy*
- FOR 462. Natural Resource Policy and Law
- GEO/SOIL 335. *Introduction to Water Science and Policy*
- PS 475. Environmental Politics and Policy
- PS 477. International Environmental Politics and Policy

### Resource Economics
- AEC 351. *Natural Resource Economics and Policy*
- AEC/ECON 352. *Environmental Economics and Policy*
- FES 432. Economics of Recreation Resources
- FOR 330. Forest Conservation Economics

### Society & Natural Resources
- ANTH 110. *Introduction to Cultural Anthropology*
- FES 251. Recreation Resource Management
- FES 355. Management for Multiple Resource Values
- FES 492. Ecosystem Services Ecology, Sociology, Policy
- GEO 204. *Climate Change, Weather, and Society*

### Soil Science
- CSS 205. *Soil Science*
  - or CSS 305. Principles of Soil Science
  - or SOIL 205. *Soil Science and FOR 206. *Forest Soils Lab for SOIL 205
  - or SOIL 206. *Soil Science Laboratory for SOIL 205

### Statistics
- ST 201. Principles of Statistics
- ST 351. Introduction to Statistical Methods

### Vegetation ID
- BOT 321. Plant Systematics
- BOT 414. Agrostology
- BOT 425. Flora of the Pacific Northwest
- FES 141. Tree and Shrub Identification
- FES 241. Dendrology
- HORT 226. Landscape Plant Materials I: Deciduous Hardwoods & Conifers
- HORT 228. Landscape Plant Materials II: Spring Flowering Trees and Shrubs
- RNG 353. Wildland Plant Identification

### Water Science
- FE 430. Watershed Processes
- FW 326. Integrated Watershed Management
- QC 201. *Oceanography*
- QC 332. Coastal Oceanography
- RNG 355. Desert Watershed Management

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The courses above represent the first part of a four year degree program. Natural Resources students must also complete coursework from seven different “breadth” areas (one course per block) as well as an option within the major. Transfer students should expect to complete upper-division course requirements at OSU. The entire degree can be completed online. In addition to courses that fulfill the Natural Resources major requirements, students should be completing courses to fulfill OSU’s Baccalaureate Core (general education curriculum). Major requirements that fulfill Baccalaureate Core are marked with an asterisk (*).

**Chemeketa Advising**
http://www.chemeketa.edu/earncertdegree/advising/academicadvising/

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Updated 7/6/15 NK