<table>
<thead>
<tr>
<th>Natural Resources Core Requirements (Complete one course from each category)</th>
<th>OSU Course</th>
<th>Grays Harbor Course</th>
</tr>
</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  
Available Online |
| Atmospheric Science | ATS 210. Introduction to the Atmospheric Sciences  
ATS 320. *The Changing Climate  
GEO 323. *Climatology | Available Online  
Available Online  
Available Online |
| Biology I | BI 204* (or BI 101 or BI 211) | BIOL & 212 |
| Biology II | BI 205* (or BI 102 or BI 212) | BIOL & 213 |
| Biology III | BI 206* (or BI 103 or BI 213) | BIOL & 211 |
| Chemistry | CH 121 or  
CH 231* and CH 261* | CHEM & 121 or  
CHEM & 161 |
| 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  
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 | GEO & 101  
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 |
BI 370. Ecology  
BOT 341. Plant Ecology  
FES 240. *Forest Biology  
FES 341. Forest Ecology | Available Online  
Available Online  
Available Online  
NR 150, 160 & 270  
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 |
| Managing Natural Resources for the Future | NR 201. Managing Natural Resources for the Future  
or Seminars—Natural Resources | NR 120 |

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| Natural Resources students must also complete coursework from seven different “breadth” areas (one course per block) as well as an option within the major. 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 (*). |

| 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 | MATH& 142  
MATH& 148  
MATH& 151 |
| 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 | Available Online |
| Social Science or Measurements | FES 422. Research Methods in Social Science  
HDFS 361. Applied Research Methods  
SOC 418. Qualitative Research Methods | Available Online |
| Natural Resource Decision Making | NR 455. Natural Resource Decision Making | Available Online |
| 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 | Available Online  
Available Online  
Available Online |
FES 432. Economics of Recreation Resources  
FOR 330. Forest Conservation Economics | Available Online  
Available Online |
| 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 | ANTH& 100  
Available Online  
Available Online |
| 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 | Available Online |
| Statistics | ST 201. Principles of Statistics  
ST 351. Introduction to Statistical Methods | MATH& 146 |
| 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 | NR 131  
NR 131  
Available Online |
| Water Science | FE 430. Watershed Processes  
FW 326. Integrated Watershed Management  
OC 201. *Oceanography  
OC 332. Coastal Oceanography  
RNG 355. Desert Watershed Management | Available Online  
Available Online  
Available Online  
Available Online |

**Grays Harbor Contact:** Natural Resources Program  
360–538–2517  
[http://www.ghc.edu/voc/](http://www.ghc.edu/voc/)  

**OSU Contact:** College of Forestry Student Services Office  
541–737–1594  
Forestrystudentservices@oregonstate.edu  

*Updated 6/4/15 NK*