

### Transfer Guide: Natural Resources

<http://www.forestry.oregonstate.edu/academic-programs/undergraduates/natural-resources>

| Natural Resources Core Requirements<br>(Complete one course from each category) | OSU Course   | Rogue CC Course  |
|---|--|--|
| Animal ID   | FW 312. Systematics of Birds<br>FW 316. Systematics of Fishes<br>FW 318. Systematics of Mammals<br>Z 477. Aquatic Entomology   | Available Online<br><br>Available Online   |
| Atmospheric Science   | ATS 210. Introduction to the Atmospheric Sciences<br>ATS 320. *The Changing Climate<br>GEO 323. *Climatology   | Available Online<br>Available Online<br>Available Online   |
| Biology I   | BI 204* (or BI 101 or BI 211)  | BI 102 or 211  |
| Biology II  | BI 205* (or BI 102 or BI 212)  | BI 103 or BI 212   |
| Biology III   | BI 206* (or BI 103 or BI 213)  | BI 101 or BI 213   |
| Chemistry   | CH 121 or<br>CH 231* and CH 261*   | CH 104 or<br>CH 221  |
| Communications  | COMM 321. Introduction to Communication Theory<br>COMM 328. Nonverbal Communication<br>COMM 385. Communication and Culture in Cyberspace<br>COMM 440. Theories of Conflict and Conflict Management<br>COMM 442. Bargaining and Negotiation Processes<br>FES 360. Collaboration and Conflict Management<br>FES 485. *Consensus and Natural Resources<br>FES 493. Environmental Interpretation   | Available Online<br>Available Online<br>Available Online<br><br>Available Online<br>Available Online<br>Available Online   |
| Earth Science   | GEO 101. *The Solid Earth<br>GEO 102. *The Surface of the Earth<br>GEO 201. *Physical Geology<br>GEO 202. *Earth Systems Science<br>GEO 221. *Environmental Geology  | <br><br><br>G 102<br>G 101   |
| Environmental Assessment and Planning   | ANS/FES/FW/SOC 485. *Consensus and Natural Resources<br>FES 356. Planning for Recreation and Tourism<br>FES/FW 445. Ecological Restoration<br>FOR 459. Forest Resource Planning and Decision Making<br>FW 435. *Wildlife in Agricultural Ecosystems<br>GEO 423. Land Use in the American West<br>PS 449. *Topics in Comparative Politics<br>PS 477. International Environmental Politics and Policy<br>RNG 421. Wildland Restoration and Ecology<br>RNG 490. Rangeland Management Planning<br>SUS 304. *Sustainability Assessment<br>SUS 350. *Sustainable Communities | Available Online<br>Available Online<br>Available Online<br><br>Available Online<br>Available Online<br>Available Online<br>Available Online<br>Available Online<br>Available Online<br>Available Online |
| General Ecology   | BI 306. *Environmental Ecology<br>BI 370. Ecology<br>BOT 341. Plant Ecology<br>FES 240. *Forest Biology<br>FES 341. Forest Ecology   | Available Online<br>Available Online<br>Available Online<br>Available Online   |
| GIS   | FE 257. GIS and Forest Engineering Applications<br>FOR 421. Spatial Analysis of Forested Landscapes<br>FW 303. Survey of Geographic Information Systems in Natural Resource<br>GEO 365. Introduction to Geographic Information Systems<br>GEO 465. Geographic Information Systems and Science<br>HORT 414. Information Systems in Agriculture  | Available Online<br><br>Available Online<br>Available Online<br>Available Online   |
| Managing Natural Resources for the Future                                       | NR 201. Managing Natural Resources for the Future<br>or Seminars—Natural Resources   | Available Online   |

|  |  |  |
|--|--|--|
| Mathematics                              | MTH 112. *Elementary Functions<br>MTH 241. *Calculus for Management and Social Science<br>MTH 245. *Mathematics for Management, Life & Social Sciences<br>MTH 251. *Differential Calculus  | MTH 112<br><br>MTH 251   |
| Biological/Physical Science Measurements | BI 371. *Ecological Methods<br>BOT 440. Field Methods in Plant Ecology<br>FE 208. Forest Surveying<br>FES 422 Research Methods in Social Science<br>FOR 321. Forest Mensuration<br>FW 255. Field Sampling of Fish and Wildlife<br>GEO 451. Environmental Site Planning<br>HDFS 361. Applied Research Methods<br>RNG 441. Rangeland Analysis<br>SOC 418. Qualitative Research Methods | Available Online<br><br>Available Online<br><br>Available Online                 |
| Social Science or Measurements           | FES 422. Research Methods in Social Science<br>HDFS 361. Applied Research Methods<br>SOC 418. Qualitative Research Methods   |  |
| Natural Resource Decision Making         | NR 455. Natural Resource Decision Making   | Available Online   |
| Natural Resource Policy                  | FOR 460. *Forest Policy<br>FOR 462. Natural Resource Policy and Law<br>GEO/SOIL 335. *Introduction to Water Science and Policy<br>PS 475. Environmental Politics and Policy<br>PS 477. International Environmental Politics and Policy   | Available Online<br>Available Online<br>Available Online                         |
| Resource Economics                       | AEC 351. *Natural Resource Economics and Policy<br>AEC/ECON 352. *Environmental Economics and Policy<br>FES 432. Economics of Recreation Resources<br>FOR 330. Forest Conservation Economics   | Available Online<br>Available Online   |
| Society & Natural Resources              | ANTH 110. *Introduction to Cultural Anthropology<br>FES 251. Recreation Resource Management<br>FES 355. Management for Multiple Resource Values<br>FES 492. Ecosystem Services Ecology, Sociology, Policy<br>GEO 204. *Climate Change, Weather, and Society  | ANTH 110<br>Available Online   |
| Soil Science                             | CSS 205. *Soil Science<br>or CSS 305. Principles of Soil Science<br>or SOIL 205. *Soil Science and FOR 206. *Forest Soils Lab for SOIL 205<br>or SOIL 206. *Soil Science Laboratory for SOIL 205   |  |
| Statistics                               | ST 201. Principles of Statistics<br>ST 351. Introduction to Statistical Methods  | MTH 243  |
| Vegetation ID                            | BOT 321. Plant Systematics<br>BOT 414. Agrostology<br>BOT 425. Flora of the Pacific Northwest<br>FES 141. Tree and Shrub Identification<br>FES 241. Dendrology<br>HORT 226. Landscape Plant Materials I: Deciduous Hardwoods & Conifers<br>HORT 228. Landscape Plant Materials II: Spring Flowering Trees and Shrubs<br>RNG 353. Wildland Plant Identification                       | Available Online<br><br>Available Online<br><br>Available Online                 |
| Water Science                            | FE 430. Watershed Processes<br>FW 326. Integrated Watershed Management<br>OC 201. *Oceanography<br>OC 332. Coastal Oceanography<br>RNG 355. Desert Watershed Management  | Available Online<br>Available Online<br>Available Online<br><br>Available Online |

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 (\*).

Rogue Contact: Bea Frederickson  
541-245-7527

<http://www.roguecc.edu/Advising/AdvisorsRVC.asp>

OSU Contact: College of Forestry Student Services Office  
541-737-1594

[Forestrystudentservices@oregonstate.edu](mailto:Forestrystudentservices@oregonstate.edu)