

### Transfer Guide: Natural Resources

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

Natural Resources Core Requirements (Complete one course from each category)	OSU Course	MHCC Course
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)	BI 211
Biology II	BI 205* (or BI 102 or BI 212)	BI 212
Biology III	BI 206* (or BI 103 or BI 213)	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
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	   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
General Ecology	BI 306. *Environmental Ecology BI 370. Ecology BOT 341. Plant Ecology FES 240. *Forest Biology FES 341. Forest Ecology	Available Online Available Online Available Online 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	FT 228  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	MTH 112 MTH 241  MTH 251
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 F 200  Available Online  Available Online
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	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
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	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 103 FT 235 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	NR 140
Statistics	ST 201. Principles of Statistics ST 351. Introduction to Statistical Methods	MTH 243
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	F 141 Available Online  Available Online  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

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 (\*).

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