



<b>NR Core Requirements</b> (continued) <i>Complete one course per category</i>	<b>Shasta Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Biology II</b> General Biology II with Lab Introduction to Biology II Principles of Biology II with Lab	BIOL 1	BI 102 BI 205 BI 212	Available online at OSU
<b>Biology III</b> General Biology III with Lab Introduction to Biology III Principles of Biology III with Lab		BI 103 BI 206 BI 213	Available online at OSU
<b>Chemistry</b> General Chemistry I with Lab General Chemistry (Majors) I with Lab	CHEM 1A	CH 121 CH 231 & 261	Available online at OSU Available online at OSU
<b>Climate Science</b> Climate Science Global Change Biology Climatology Intro to Climate Change		ATS 201 FW 345 GEOG 323 SUS 103	Available online at OSU Available online at OSU Available online at OSU
<b>Earth Science</b> The Solid Earth Physical Geology Earth Systems Science Environmental Geology Physical Geography	ESCI 1 ESCI 17 ESCI 10 GEOG 1A	GEO 101 GEO 201 GEO 202 GEO 221 GEOG 102	Available online at OSU Available online at OSU Available online at OSU
<b>Ecology</b> Marine Ecology General Ecology Plant Ecology Forest Ecology		BI 351 BI 370 BOT 341 FES 341	Available online at OSU Available online at OSU Available online at OSU Available online at OSU
<b>Mathematics</b> Elementary Functions Calculus for Mgmt, Life, and Social Science Math for Mgmt, Life, and Social Science Differential Calculus	MATH 2B MATH 9 MATH 9 MATH 3A	MTH 112 MTH 241 MTH 245 MTH 251	Available online at OSU Available online at OSU Available online at OSU Available online at OSU
<b>Statistics</b> Principles of Statistics Intro to Statistical Methods	MATH 14	ST 201 ST 351	Available online at OSU Available online at OSU
<b>Animal ID</b> Forest Entomology Systematics of Birds Systematics of Fishes Systematics of Mammals Biology of Insects Herpetology Aquatic Entomology		FES 412 FW 312 FW 316 FW 318 Z 365 Z 473 Z 477	Available online at OSU Available online at OSU Available online at OSU Available online at OSU
<b>Environ. Assessment &amp; Planning</b> Ecological Restoration Ecosystems Services Land Use Planning for Sust. Communities Land Use in the American West Planning Principles for Resilient Communities Sustainable Site Planning Wildland restoration and Ecology Rangeland Management and Planning Sustainability Assessment Sustainable Communities Planning for Sustainable Recreation Planning for Sustainable Tourism Scientific Methods for Analyzing NR Problems		FES/FW 445 FW 462 GEOG 250 GEOG 450 GEOG 451 GEOG 452 RNG 421 RNG 490 SUS 304 SUS 350 TRAL 456 TRAL 457 NR 325	Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU



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<b>Wildlife Management</b> Shasta Course: Wildlife Conservation & Mgmt Introductory Population Dynamics Applied Community and Ecosystem Ecology Wildlife in Agricultural Ecosystems Avian Conservation and Management Biodiversity Conservation in Managed Forests Mammal Conservation and Management Wildlife Ecology Animal Behavior	AGNR 70	FW LDT FW 320 FW 321 FW 435 FW 451 FES/FW 452 FW 458 FW 481 Z 350	Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU
<b>Ethics &amp; Philosophy</b> Ecosystems Science of the PNW Indians Anthropology, Health, and the Environment Ecological Anthropology Natural Resources and Community Values Anthropology of International Development Multicultural Perspectives in NR Environmental Justice Environmental History of the United States Critical Thinking for NR Challenges Environmental Ethics World View and Environmental Values		AG 301 ANTH 352 ANTH 477 ANTH 481 ANTH 482 FW 340 GEO 309 HST 481 NR 412 PHL 440 PHL/REL 443	Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU
<b>Natural Resource Policy</b> Shasta Course: Environmental Policy & Law Environmental Law Rural Development Economics & Policy Public Lands Policy & Management Forest Policy Natural Resources Policy and Law Fish & Wildlife Law and Policy Introduction to Ocean Law U.S. Energy Policy Environmental Politics and Policy International Environmental Politics & Policy	AGNR 12	FES LDT AEC 432 AEC 454 FES 486 FOR 460 FOR 462 FW 415 FW 422 PS 473 PS 475 PS 477	Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU
<b>Political Issues</b> Plagues, Pests, and Politics Natural Resource Policy and Law Endangered Spec, Society and Sustainability When Science Escapes the Lab The Politics of Climate Change Environmental Politics and Policy Science and Politics International Environmental Politics & Policy Wilderness Management		ENT/HORT 300 FOR 462 FW 350 NR 351 PS 455 PS 475 PS 476 PS 477 TRAL 352	Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU
<b>Resource Economics</b> Natural Resource Economics and Policy Environmental Economics and Policy Rural Development Economics and Policy Forest Resource Economics I		AEC 351 AEC/ECON 352 AEC 454 FOR 329	Available online at OSU Available online at OSU Available online at OSU

<b>NR Core Requirements</b> (continued) <i>Complete one course per category</i>	<b>Shasta Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Social Issues</b> Management for Multiple Resource Values Issues in Natural Resource Conservation Global Crises in Resource Ecology Sustainability for the Common Good Climate Change, Water and Society Resilience-Based Natural Resource Mgmt Global Resource Development When Science Escapes the Lab Social Dimensions of Sustainability Rural Sociology Environmental Sociology Society and Natural Resources Social Dimensions of Sustainability Recreation Resource Management Outdoor Recreation on Public Lands Wilderness Management Nature, Eco, and Adventure Tourism Communities, Natural Areas, and Tourism Women and Natural Resources		FES 355 FES 365 FW 325 GEOG 300 GEOG 240 GEOG 430 GEOG 431 NR 351 SOC 381 SOC 475 SOC 480 SOC 481 SUS 420 TRAL 251 TRAL 351 TRAL 352 TRAL 353 TRAL 354 WGSS 440	Available online at OSU Available online at OSU Available online at OSU Available online at OSU  Available online at OSU  Available online at OSU Available online at OSU Available online at OSU Available online at OSU  Available online at OSU  Available online at OSU
<b>Spatial Analysis</b> Precision Agriculture GIS and Forest Engineering Applications Survey of Geographic Information Systems	GEOG 13	CROP/HORT 414 FE 257 FW 303	Available online at OSU Available online at OSU Available online at OSU

## Courses Required for Landscape Analysis Option

<b>Requirement</b> <i>Complete one course per category unless otherwise noted</i>	<b>Shasta Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Measurements</b> Forest Surveying		FE 208	Available online at OSU
Foundations of Geospatial Science & GIS		GEOG 201	Available online at OSU
Geoscience I: GIS Systems & Theory		GEOG 360	Available online at OSU
Geo-visualization: Cartography		GEOG 370	Available online at OSU
Remote Sensing I: Principles & Applications		GEOG 480	Available online at OSU
<b>GIS Electives – choose two courses</b> GIS in Water Resources Precision Agriculture Digital Image Processing Internship Forest Photogrammetry & Remote Sensing Forest Route Surveying Unmanned Aircraft Systems Remote Sensing Forestry Remote Sensing & Photogrammetry Survey of Geographic Information Systems GIScience II: Analysis & Applications Geovisualization: Web Mapping Plan Prin and Pract for Resilient Communities GIScience III: Programming for Geo. Analysis GIScience IV: Spatial Modeling Geospatial Perspectives Geo-visualization: Geo-visual Analytics Remote Sensing II: Digital Image Processing Soil Landscape Analysis	GEOG 15	CE 413 CROP/HORT 414 ECE 468 NR 410 FE 209 FE 310 FE 423 FE 444 FW 303 GEOG 361 GEOG 371 GEOG 451 GEOG 462 GEOG 463 GEOG 464 GEOG 472 GEOG 481 SOIL 468	Available online at OSU  Available online at OSU  Available online at OSU Available online at OSU  Available online at OSU Available online at OSU  Available online at OSU  Available online at OSU

## General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspective category with no more than two in the same department.

<b>SKILLS COURSES</b>	Math Writing I Writing II Speech (Writing III) Fitness	Completed as part of major: MTH 112 or higher WR 121. Required to transfer. Can be completed as part of major: see advisor Choose one course from Bacc Core link above HHS 231 & 241/PAC Course
<b>PERSPECTIVE COURSES</b>	Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture	Completed as part of major: Biology I Completed as part of major: Chemistry Completed as part of major: Biology II Choose one course from Bacc Core link above Choose one course from Bacc Core link above Completed as part of major: ECON 201 or AEC 250 Choose one course from Bacc Core link above
<b>DPD COURSE</b>	Difference, Power, & Discrimination	Can be completed as part of major: see advisor
<b>SYNTHESIS COURSES</b>	Contemporary Global Issues Science, Technology, & Society	Upper division course, take through OSU Upper division course, take through OSU

## Advising Contacts

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. **See your community college advisor first and use this Transfer Guide to help you plan.** It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing. See [visitosu.oregonstate.edu/visit-campus](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

<b>Shasta College</b>	Melissa Markee, Forestry & Natural Resources Instructor 530-242-2298 <a href="mailto:mmarkee@shastacollege.edu">mmarkee@shastacollege.edu</a>
<b>OSU College of Forestry Prospective Student Advisor</b>	Autumn Granger 541-737-9135 <a href="mailto:Autumn.granger@oregonstate.edu">Autumn.granger@oregonstate.edu</a>