

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

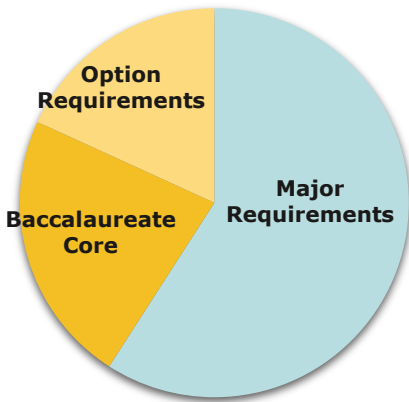
Oregon Coast
Community College

Natural Resources Major with Human Dimensions Option

Natural Resources students are passionate about the world around them. They collaborate to preserve and protect the natural world for future generations. Human Dimensions students will develop an understanding of the interconnectedness of human

behavior and well-being and natural resources. This includes better understanding the cultural, social, political, and philosophical issues related to NR, and prepares students work with various stakeholders in natural resource management.

Your Bachelor's Degree (BS) in Natural Resources



- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 135 credits earned at a community college may be applied toward a bachelor's degree at OSU.
- Only courses with letter prefixes and numbers above 100 are accepted.
- forestry.oregonstate.edu/undergraduate-programs/natural-resources/human-dimensions-natural-resources

Courses Required for Natural Resources Major

| NR Core Requirements | OCCC Course | OSU Course | Notes |
|--|-------------|------------|-------------------------|
| <i>Complete one course per category</i> | | | |
| Consensus and Natural Resources | | FES 485 | Available online at OSU |
| Managing Nat Res for the Future | | NR 201 | Available online at OSU |
| Natural Resource Problems & Solutions | | NR 202 | Available online at OSU |
| Natural Resources Decision Making | | NR 455 | Available online at OSU |
| Advanced Communication | | | |
| Intro to Communication Theory | | COMM 321 | |
| Small Group Problem Solving | | COMM 322 | |
| Communication in Organizations | | COMM 324 | |
| Intercultural Communication | | COMM 326 | |
| Non-Verbal Communication | | COMM 328 | Available online at OSU |
| Communication and Culture in Cyberspace | | COMM 385 | Available online at OSU |
| Theories of Conflict and Conflict Management | | COMM 440 | |
| Bargaining and Negotiating Processes | | COMM 442 | |
| Forest as Classroom | | FES 430 | Available online at OSU |
| Effective Comm in Fish & Wildlife Sciences | | FW 489 | Available online at OSU |
| Critical thinking for NR Challenges | | NR 312 | |
| Environmental Interpretation | | TRAL 493 | Available online at OSU |
| Technical Writing | WR 227 | WR 327 | Available online at OSU |
| Science Writing | | WR 362 | Available online at OSU |
| Environmental Writing | | WR 462 | |
| Professional Writing | | WR 466 | |
| Biology I | | | |
| General Biology I with Lab | BI 101 | BI 101 | Available online at OSU |
| Introduction to Biology I | | BI 204 | Available online at OSU |
| Principles of Biology: Cells | BI 211 | BI 221 | |

| NR Core Requirements (continued) <i>Complete one course per category</i> | OCCC Course | OSU Course | Notes |
|--|--------------------|---|---|
| Biology II General Biology II with Lab Introduction to Biology II Principles of Biology: Organisms | BI 102 BI 212 | BI 102 BI 205 BI 222 | Available online at OSU Available online at OSU |
| Biology III General Biology III with Lab Introduction to Biology III Principles of Biology: Populations | BI 103 BI 213 | BI 103 BI 206 BI 223 | Available online at OSU Available online at OSU |
| Chemistry General Chemistry I with Lab General Chemistry (Majors) I with Lab | | CH 121 CH 231 & 261 | Available online at OSU Available online at OSU |
| Climate Science 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 |
| Earth or Soil Science Soil Science Principles of Soil Science The Solid Earth Physical Geology Earth Systems Science Environmental Geology Physical Geography Soil Science with Lab Soil Science with Forest Soils Lab | G 201 G 202 | CSS 205 CSS 305 GEO 101 GEO 201 GEO 202 GEO 221 GEOG 102 SOIL 205 & 206 SOIL 205 & FOR 206 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Ecology 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 |
| Mathematics Elementary Functions Calculus for Mgmt, Life, and Social Science Math for Mgmt, Life, and Social Science Differential Calculus | MTH 112 MTH 251 | MTH 112 MTH 241 MTH 245 MTH 251 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Statistics Principles of Statistics Intro to Statistical Methods | MTH 243 | ST 201 ST 351 | Available online at OSU Available online at OSU |
| Animal ID Terrestrial Vertebrate ID & Natural History Forest Entomology Systematics of Birds Systematics of Fishes Systematics of Mammals Biology of Insects Herpetology Aquatic Entomology | | FOR 210 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 |
| Environ. Assessment & Planning Ecological Restoration Ecosystems Services Land Use Planning for Sust. Communities Land Use in the American West Planning Principles for Resilient Communities Sustainable Site Planning Scientific Methods for Analyzing NR Problems Wildland restoration and Ecology Habitat Analysis I Rangeland Management and Planning Sustainability Assessment Sustainable Communities Planning for Sustainable Recreation Planning for Sustainable Tourism | | FES/FW 445 FW 462 GEOG 250 GEOG 450 GEOG 451 GEOG 452 NR 325 RNG 421 RNG 457 RNG 490 SUS 304 SUS 350 TRAL 456 TRAL 457 | 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 |

| NR Core Requirements (continued) <i>Complete one course per category</i> | OCCC Course | OSU Course | Notes |
|---|--------------------|---|--|
| Fish & Marine Sciences Intro to Marine Biology Biology of Marine Mammals Oceans in Peril Marine Ecology Intro to Population Dynamics Mgmt Principles of Pacific Salmon in the NW Coastal Ecology and Resource Management Fishery Biology Marine Fisheries Fish Ecology Wildlife Ecology Oceanography Coastal Oceanography | | BI 150 FW 302 BI 347 BI 351 FW 320 FW 323 FW 426 FW 454 FW 465 FW 473 FW 481 OC 201 OC 332 | 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 Available online at OSU |
| Forestry International Forestry Forest Biology Forest Ecology Forest Types of the Northwest Urban Forestry Wildland Fire Ecology Ecological Restoration Biodiversity Conservation in Managed Forests Agroforestry Topics in Wildland Fire Silviculture Principles | | FE/FOR 456 FES 240 FES 341 FES 342 FES/HORT 350 FES 440 FES/FW 445 FES/FW 452 FES/NR 477 FOR 346 FOR 441 | 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 |
| Land & Water Watershed Processes Forest Watershed Management Integrated Watershed Management Freshwater Ecology and Conservation Wetlands and Riparian Ecology Minerals, Energy, Water and the Environment National Park Geology and Preservation Global Change and Earth Sciences Introduction to Water Science & Policy Water Resources Management in the U.S. International Water Resource Management Desert Water Shed Management Riparian Ecohydrology and Management Ecosystems of Wildland Soils Soil Systems and Plant Growth World Soil Resources Soil Morphology and Classification | | FE 430 FE 434 FW 326 FW 456 FW 479 GEO 306 GEO 307 GEO 308 GEOG 340 GEOG 440 GEOG 441 RNG 355 RNG 455 SOIL 366 SOIL 388 SOIL 395 SOIL 466 | 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 Available online at OSU Available online at OSU Available online at OSU |
| Range Wildland Fire Ecology Ecological Restoration Topics in Wildland Fire Rangeland Ecology and Management Range Ecology I – Grasslands Range Ecology II – Shrub Lands Wildland Restoration and Ecology Rangeland Analysis Rangeland-Animal Relations Rangeland Management and Planning | | FES 440 FES/FW 445 FOR 346 RNG 341 RNG 351 RNG 352 RNG 421 RNG 441 RNG 442 RNG 490 | 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 |
| Vegetation ID Plant Systematics Agrostology Flora of the Pacific Northwest Dendrology Landscape Plant Materials I: Decid & Conifers Landscape Plant Materials II: Shrubs Wildland Plant Identification | | BOT 321 BOT 414 BOT 425 FES 241 HORT 226 HORT 228 RNG 353 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |

| NR Core Requirements (continued) <i>Complete one course per category</i> | OCCC Course | OSU Course | Notes |
|--|--------------------|--|---|
| Wildlife Management Principles of Fish & Wildlife Conservation 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 | | FW 251 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 Available online at OSU |
| Ethics & Philosophy 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 Transforming Environmental Conflicts Environmental Justice Environmental History of the United States Critical Thinking for NR Challenges Nature in Storytelling over the Centuries Environmental Ethics World View and Environmental Values Sustainability, Justice & Engagement | | AG 301 ANTH 352 ANTH 477 ANTH 481 ANTH 482 FW 340 GEOG 241 GEOG 330 HST 481 NR 312 NR 380 PHL 440 PHL/REL 443 SUS 331 | 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 Available online at OSU Available online at OSU |
| Natural Resource Policy 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 | | 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 |
| Political Issues 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 |
| Economics Intro to Environmental Economics & Policy Intro to Microeconomics | EC 201 | AEC 250 ECON 201 | Available online at OSU Available online at OSU |

| NR Core Requirements (continued) <i>Complete one course per category</i> | OCCC Course | OSU Course | Notes |
|--|--------------------|--|---|
| Social Issues Human Impacts on Ecosystems Human Ecology Issues in Natural Resource Conservation Global Crises in Resource Ecology Sustainability for the Common Good Climate Change, Water and Society Transforming Environmental Conflicts Resilience-Based Natural Resource Mgmt Global Resource Development When Science Escapes the Lab Oceans, Coasts & People 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 Parks & Protected Areas Women and Natural Resources | | BI 301 BI 348 FES 365 FW 325 GEOG 300 GEOG 240 GEOG 241 GEOG 430 GEOG 431 NR 351 OC 333 SOC 381 SOC 475 SOC 480 SOC 481 SUS 420 TRAL 251 TRAL 351 TRAL 352 TRAL 353 TRAL 354 TRAL 357 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 |
| Spatial Analysis Precision Agriculture GIS and Forest Engineering Applications Survey of Geographic Information Systems Foundations of Geospatial Science & GIS Geoscience I: GIS and Theory | | CROP/HORT 414 FE 257 FW 303 GEOG 201 GEOG 360 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |

Courses Required for Human Dimensions Option

| Requirement <i>Complete one course per category unless Otherwise noted</i> | OCCC Course | OSU Course | Notes |
|---|-------------|--|---|
| Research Methods in Social Science | | FES 422 | Available online at OSU |
| Consensus & Communication Small Group Problem Solving Communication in Organizations Theories of Conflict & Conflict Management Bargaining and Negotiating Processes Team and Organizational Leadership Leadership Through Conversations | | COMM 322 COMM 324 COMM 440 COMM 442 LEAD 342 LEAD 443 | Available online at OSU Available online at OSU |
| Phil. & Ethics of Environ. – Choose Two Environmental Ethics World Views and Environmental Values Philosophy of Science Critical Thinking for NR Challenges Nature in Storytelling Over the Centuries Social Dimensions of Sustainability Sustainability, Justice, and Engagement | | PHL 440 PHL/REL 443 PHL 470 NR 312 NR 380 SOC 381 SUS 331 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Policy Environmental Law, Policy, and Economics Environmental Law Environmental Politics & Policy International Environmental Politics & Policy | | AEC 253 AEC 432 PS 475 PS 477 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Resource Economics Natural Resource Economics & Policy Environmental Economics & Policy Intro to Coastal & Marine Resource Econ Econ of Traditional & Renewable Energy Economics of Recreation & Tourism | | AEC 351 AEC/ECON 352 AEC 353 ECON 466 TRAL 432 | Available online at OSU Available online at OSU Available online at OSU |
| Management Issues – Choose Three Management for Multiple Resource Values Issues in Natural Resources Conservation Public Lands Policy & Management Urban Forest Planning, Policy, and Mgmt. Principles of Fish & Wildlife Conservation Integrated Watershed Management End. Species, Society and Sustainability Human Dimensions in F&W Management Ecosystems Services Land Use Planning for Sust. Communities Resilience-Based Natural Resource Mgmt Plan Principles for Resilient Communities Sustainable Site Planning Intro to Non-Profit Management Outdoor Recreation on Public Lands Wilderness Management Communities, Natural Areas, and Tourism | | FES 355 FES 365 FES 486 FES/HORT 455 FW 251 FW 326 FW 350 FW 439 FW 462 GEOG 250 GEOG 430 GEOG 451 GEOG 452 NMC 311 TRAL 351 TRAL 352 TRAL 354 | 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 Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Social Issues – Choose 12 credits Introduction to Anthropology Ecological Anthropology Natural Resources and Community Values Multicultural Perspectives in NR Sustainability for the Common Good Population, Consumption, and Environment Environmental History of the United States When Science Escapes the Lab Oceans, Coasts, and People Social Dimensions of Sustainability Environmental Sociology Society and Natural Resources Sustainable Communities Social Dimensions of Sustainability Women & Natural Resources | ATH 103 | ANTH 110 ANTH 477 ANTH 481 FW 340 GEOG 300 GEOG 331 HST 481 NR 351 OC 333 SOC 381 SOC 480 SOC 481 SUS 350 SUS 420 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 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.
- Full listing of OCCC courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/transfer/oregon-coast-community-college

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|----------------------------|--|--|
| SKILLS COURSES | 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 HE 295 and PE 295 @ OCCC |
| PERSPECTIVE COURSES | 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 SOC 204 Choose one course from Bacc Core link above |
| DPD COURSE | Difference, Power, & Discrimination | Can be completed as part of major: see advisor |
| SYNTHESIS COURSES | 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 to schedule your personalized visit.

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| Oregon Coast Community College | https://oregoncoast.edu/advising/ |
| OSU College of Forestry Prospective Student Advisor | Autumn VanderLinden 541-737-9135 Autumn.VanderLinden@oregonstate.edu |