



# NATURAL RESOURCES MINOR CHECKLIST

Date Prepared:

By:

Students majoring in other programs at OSU can choose to complete the Natural Resources minor. The minor is intended to provide a broad exposure to the natural resources field. It offers course work that integrates a number of natural resource disciplines. A minimum of 12 credits must be upper division.

Available on Corvallis campus, OSU-Cascades campus and via Ecampus \* = Bacc Core ^ = Writing Intensive Course (WIC) (27 – 29 credits)

Course		Campus	Prerequisites or Restrictions	Done
<b>Required (6 credits)</b>				
NR 201 Managing NR for the Future	3	CORV, CASC, Ecampus	None	
FES 485 Consensus and Natural Resources	3	CORV, CASC, Ecampus	None. Should have some disciplinary depth in your field before taking this class.	
<b>Choose THREE of the following Courses (9 credits)</b>				
FOR 111 Introduction to Forestry	3	CORV, Ecampus	None	
<u>OR</u> FES 342 Forest Types of the Northwest	3	CASC, Ecampus	None	
FW 251 Principles of Fish and Wildlife Conservation (3)	3	CORV, CASC, Ecampus	Recommend introductory biology.	
NR 202 Natural Resource Problems and Solutions	3	CORV, Ecampus	None	
RNG 121 Introduction to Wildland Ecology	3	CORV, Ecampus	None	
<u>OR</u> RNG 341 Rangeland Ecology and Management	3	CORV, CASC, Ecampus	None	
SUS 102 *Introduction to Environmental Science	3	CORV, CASC, Ecampus	None	
<b>Select TWO courses from any of the focus areas of the Resource Management Group (6-8 credits)</b>				
<b><i>Environmental Assessment and Planning</i></b>				
FES/FW 445 Ecological Restoration	4	CORV, CASC, Ecampus	None	
FW 462 Ecosystem Services	3	Ecampus	None	
GEOG 250 *Land Use Planning for Sustainable Communities	3	CORV, Ecampus	None	
GEOG 450 Land Use in the American West	3	CORV	None	

GEOG 451 Planning Principles and Practices for Resilient Communities	4	CORV	GEOG 360/560 or GEGO 365/465	
GEOG 452 Sustainable Site Planning	3	CORV, Ecampus	None	
NR 325 Scientific Methods for Analyzing NR Problems	3	Ecampus	MTH 111 with C- or better.	
RNG 421 Wildland Restoration and Ecology	4	CORV, Ecampus	CORV restricted to College of AG students, Ecampus sections have no restrictions.	
RNG 490 Rangeland Management Planning	4	CORV, Ecampus	None	
SUS 304 *Sustainability Assessment	4	CORV, CASC, Ecampus	None	
SUS 350 *Sustainable Communities	4	CORV, CASC, Ecampus	None	
TRAL 456 Planning for Sustainable Recreation	4	CORV	TRAL 251 or FES 251. C- Minimum	
TRAL 457 Planning for Sustainable Tourism	4	CORV	TRAL 251 or FES 251. C- Minimum	
WSE 385 *Evaluating Sustainability through Life Cycle Analysis	3	Ecampus		
<b>Fisheries and Marine Sciences</b>				
BI 150 Introduction to Marine Biology	3	CORV	None	
BI 347 *Oceans in Peril	3	CORV, Ecampus	BI 101 or 102 or BI 211 or 213 or BI 204. Minimum of C-. NO freshmen	
BI 351 Marine Ecology	3	CORV, Ecampus	BI 211 and BI 212 and BI 213 <u>or</u> BI 204 and BI 205 and BI 206	
FW 302 Biology and Conservation of Marine Mammals	4	HMSC	None	
FW 320 Introductory Population Dynamics	4	CORV, Ecampus	BI 370 or BI 371.	
FW 426 Coastal Ecology and Resource Management	5	HMSC, Ecampus	No Freshman or Sophomore.	
FW 454 ^Fishery Biology	4	CORV, Ecampus	FW 315 and FW 320.	
FW 465 Marine Fisheries	4	HMSC, CORV	None	
FW 473 Fish Ecology	3	CORV, Ecampus	BI 370 and FW 315.	
FW 481 Wildlife Ecology	3	CORV, CASC, Ecampus	BI 370 or BI 371. No Freshman or Sophomore.	
OC 201 *Oceanography	4	CORV, Ecampus	None	
OC 202 *Intro to Biological Oceanography	3	CORV	None	
OC 332 Coastal Oceanography	3	CORV	No Freshman or Sophomore	
<b>Forestry</b>				
FE/FOR 456 *International Forestry	3	CORV	No Freshman or Sophomore.	
FES 240 Forest Biology	4	CORV, Ecampus	None	
FES 341 Forest Ecology	3	CORV, CASC, Ecampus	One year biology required.	
FES 342 Forest Types of the Northwest	3	CASC, Ecampus	None	
FES/HORT 350 Urban Forestry	3	Ecampus	None	
FES 440 Wildland Fire Ecology	3	CORV, CASC, Ecampus	None	
FES/FW 445 Ecological Restoration	4	CORV, CASC, Ecampus	None	

FES/FW 452 Biodiversity Conservation in Managed Forests	3	CORV, Ecampus	No Freshman or Sophomore.	
FES/NR 477 *Agroforestry	3	CORV	None	
FOR 346 Topics in Wildland Fire	3	CORV, Ecampus	None	
<b>Land and Water</b>				
FE 430 Watershed Processes	4	CORV, Ecampus	None	
FE 434 Forest Watershed Management	4	CORV	CH 121, 201 or 231) and (SOIL 205, CSS 305 or 205) and (MTH 241, 251 or 251H). A minimum grade of C is required in CH 121, CH 201, CH 231, SOIL 205, CSS 305, CSS 205, MTH 241, MTH 251 and MTH 251H.	
FW 326 Integrated Watershed Management	3	Ecampus	None	
FW 456 Freshwater Ecology	5	CORV, Ecampus	BI 370 or BI 371. No Freshman and Sophomore.	
FW 479 Wetlands and Riparian Ecology	3	Ecampus	None	
GEO 306 *Minerals, Energy, Water and the Environment	3	CORV, Ecampus	None	
GEO 308 *Global Change and Earth Sciences	3	CORV, Ecampus	None	
GEOG 440 Water Resources Management in the U.S.	3	CORV	None	
GEOG 441 International Water Resources Management	3	Ecampus	None	
RNG 355 Desert Watershed Management	4	CORV, CASC, Ecampus	None	
RNG 455 Riparian Ecohydrology and Management	4	CORV, Ecampus	RNG 355	
SOIL 366 Ecosystems of Wildland Soils	3	CASC, Ecampus		
SOIL 388 Soil Systems and Plant Growth	4	Ecampus	Prerequisites: ((SOIL 205 and (SOIL 206 or FOR 206)) or CSS 205) and (CH 121 or 231) and (BOT 220 or (BI 204, 205 or 206) or (BI 211, 212 or 213)).	
SOIL 395 *World Soil Resources	3	Ecampus	Prerequisites: CH 121, 122, 123, 201, 202, 231, 231H, 232, 232H, 233 or 233H.	
<b>Range</b>				
FES 440 Wildland Fire Ecology	3	CORV, CASC, Ecampus	None	
FES/FW 445 Ecological Restoration	4	CORV, CASC, Ecampus	None	
FOR 346 Topics in Wildland Fire	3	CORV, CASC	None	
RNG 341 Rangeland Ecology and Management	3	CORV, CASC, Ecampus	None	
RNG 351 Range Ecology I – Grasslands	3	CORV, Ecampus	None	
RNG 352 Range Ecology II – Shrublands	3	CORV, Ecampus	None	
RNG 421 Wildland Restoration and Ecology	4	CORV, Ecampus	CORV section is restricted to College of Ag Science major.	
RNG 442 Rangeland-Animal Relations	4	CORV, Ecampus	None	
RNG 490 Rangeland Management Planning	4	CORV, Ecampus	None	

<b>Choose TWO courses from any of the focus areas of the Social and Political Dimensions group (6-8 credits)</b>				
<b><i>Ethics and Philosophy</i></b>				
AG 301 *Ecosystem Science of the Pacific NW Indians	3	CORV, Ecampus	None	
ANTH 352 *Anthropology, Health and the Environment	3	CORV, CASC, Ecampus	None	
FW 340 *Multicultural Perspectives in Natural Resources	3	CORV, Ecampus	None	
GEO 309 *Environmental Justice	3	CORV, CASC, Ecampus	None	
HST 481 *Environmental History of the United States	4	CORV, Ecampus	None	
NR 312 Critical Thinking for Natural Resources Challenges	3	CORV, CASC	None	
PHL 440 *Environmental Ethics	3	Ecampus	None	
PHL/REL 443 *World Views and Environmental Values	3	CORV, Ecampus	None	
<b><i>Natural Resource Policy</i></b>				
AEC 432 Environmental Law	4	CORV, , Ecampus	None	
AEC 454 Rural Development Economics and Policy	3	CORV, Ecampus	None	
FES 486 ^Public Lands Policy and Management	3	CORV, Ecampus	None	
FOR 460 ^Forest Policy	4	CORV	Seniors only.	
FOR 462 Natural Resources Policy and Law	3	CORV	No Freshman or Sophomore.	
FW 415 Fisheries and Wildlife Law and Policy	3	Ecampus	None.	
FW 422 Intro to Ocean Law	3	Ecampus	None	
PS 473 US Energy Policy	4	CORV, Ecampus	none	
<b><i>Political Issues</i></b>				
ENT 300/HORT 330 *Plagues, Pests and Politics	3	CORV, Ecampus	None	
FW 350 *Endangered Species, Society and Sustainability	3	CORV, CASC, Ecampus	None	
NR 351 *When Science Escapes the Lab: Science and Resource Management	3	CORV	None	
PS 455 *The Politics of Climate Change	4	Ecampus	None	
PS 475 Environmental Politics and Policy	4	CORV, CASC, Ecampus	None	
PS 477 International Environmental Politics and Policy		CORV, Ecampus	None	

<b>Resource Economics</b>				
AEC 351 *Natural Resources Economics and Policy	3	CORV, Ecampus	ECON 201, AEC 250	
AEC/ECON 352 *Environmental Economics and Policy	3	CORV, CASC, Ecampus	ECON 201, AEC 250	
AEC 454 Rural Development Economics and Policy	3	CORV, Ecampus	None	
FOR 330 Forest Resource Economics	4	CORV	AEC 250 or ECON 201 and (MTH 241, 245, 251 or 252), Minimum grade of C in all.	
<b>Social Issues</b>				
FES 355 Management for Multiple Resource Values	3	Ecampus	None	
FES 365 Issues in NR Conservation	3	CASC, Ecampus,	None	
FW 325 *Global Crises in Resource Ecology	3	Ecampus	None	
GEOG 300 *Sustainability for the Common Good	3	CORV, Ecampus	None	
GEOG 240 *Climate Change, Water and Society	3	CORV	None	
GEOG 430 Resilience-based Natural Resource Management	3	CORV	None	
SOC 381 Social Dimensions of Sustainability	4	Ecampus	SOC 204	
SOC 480 *Environmental Sociology	4	CORV, CASC, Ecampus	SOC 204, upper class standing	
SOC 481 *Society and Natural Resources	4	CORV, Ecampus	SOC 204	
SUS 420 Social Dimensions of Sustainability	3	CASC, Ecampus	None	
TRAL 351 Outdoor Recreation Management of Public Lands	3	CORV	TRAL 251 with minimum grade of C-	
TRAL 352 Wilderness Management	3	Ecampus	None	
TRAL 354 Communities, Natural Areas and Sustainable Tourism	3	CORV	None	
OC 333 Oceans, Coasts and People	3	CORV	None	