

OSU-Cascades Natural Resources Advising Guide

This guide is a template that has flexibility. A full plan for the NR degree should be made with your advisor. Courses shown for specific degree requirements are suggestions – other course options may exist as new courses become available.

Notes: (a) * = COCC; -U = U of Oregon, Cascades; *Italics* = OSU Ecampus course
 ^ = Writing Intensive Course; # = Synthesis course

(b) Courses may be double-counted between Bacc Core and NR Core/Breadth/Specialty Option, but may **not** be double-counted among the latter three areas.

(c) Minimum total cr hrs for graduation is 180; must include at least 60 cr hrs upper division.

Bacc Core

1. Students need to complete through MTH 111, College Algebra, for the MTH requirement because it is a prerequisite for several later courses.

2. Students should take ECON 201 for Perspective/Social Processes and Institutions because it is a prerequisite for later courses.

3. No more than two Perspectives courses may be taken from the same department.

4. HHP 295 is the only COCC Health course that meets the Lifetime Fitness requirement.

5. The following URL contains a complete list of all COCC courses that meet OSU Bacc Core requirements:

http://oregonstate.edu/dept/admindb/arttable/scr1140_arttab.htm.

6. Synthesis and WIC courses must be upper division. See OSU-Cascades advisor for details.

<p>_____ WR I (3)</p> <p>_____ WR II (3)</p> <p>_____ WR III/SP (3)</p> <p>_____ Health/Fitness⁴ (3)</p> <p>_____ Mathematics¹ (4)</p> <p>_____ Phys Sci w/ lab (4) +</p> <p>_____ Biol Sci w/ lab (4) +</p> <p>_____ Phys/Biol Sci (4) +</p> <p>[+ met w/ Biol & Earth Sci below]</p>	<p>_____ [Perspectives³]</p> <p>_____ Western Culture (3)</p> <p>_____ Cultural Diversity (3)</p> <p>_____ Literature & Art (3)</p> <p>_____ Social Processes & Institutions² (3)</p> <p>_____ Difference, Power, Discrimination (3)</p> <p>_____ Synthesis: Contemp Global Issues⁶ (3-4)</p> <p>_____ Synthesis: Science, Tech & Society⁶ (3-4)</p> <p>_____ Writing Intensive Course⁶ (3-4)</p>
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NR Core

<p>_____ Mathematics (4)</p> <p>_____ Biology I (4)</p> <p>_____ Biology II (4)</p> <p>_____ Biology III (4)</p> <p>_____ Statistics (4)</p> <p>_____ Gen Ecology (4-3)</p> <p>_____ Water Sci (3-4)</p> <p>_____ Earth Sci (4)</p> <p>_____ Atmos Sci (3-4)</p> <p>_____ Res Policy (4)</p> <p>_____ Res Econ (3)</p> <p>_____ NR Dec Mak (3)</p> <p>_____ Seminar I (1)</p> <p>_____ Seminar II (1)</p>	<p>MTH 243*</p> <p>BI 211* or BI 101* 221</p> <p>BI 212* or BI 102*</p> <p>BI 213* or BI 103*</p> <p>MTH 244* or <i>ST 201/209</i></p> <p>BI 370-U or <i>BI 370</i></p> <p>RNG 355 or <i>OC 331</i> or GEOL 307-U</p> <p>GEO 201* or <i>CSS 205</i></p> <p>GEOG 209* or <i>GEO 323</i> or <i>ATS 210</i></p> <p>RNG 490 or <i>PS 449</i> or <i>PS 475</i></p> <p><i>AREC 351[#]</i></p> <p>NR 455</p> <p>NR 407 or FOR 407</p> <p>NR 407 or <i>CSS 499</i></p>	<h3><u>Prerequisites</u></h3> <p>MTH 111</p> <p>For BI 211/12/13: CH 104 or</p> <p>MTH 243</p> <p>One year biology</p> <p>CSS205:MTH111</p> <p>For PS: 1 PS crse/consent</p> <p>EC 201</p> <p>Jr standing</p>
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Breadth (one in each category; see OSU catalog or OSU-Cascades advisor for prerequisites)

<p>_____ Fish & Wildlife</p> <p>_____ Range</p> <p>_____ Forestry</p> <p>_____ Values/Philo</p> <p>_____ Social/Political</p> <p>_____ Land/Water</p> <p>_____ Amenity Uses</p>	<p>FW 317, FW 325, FW 350, FW 479, FW 481, FW YYY</p> <p style="text-align: center;"><i>Numerous distance courses also available</i></p> <p>RNG 341, RNG 455, RNG 490, <i>RNG 446</i></p> <p>FOR 365[#], FOR 445, <i>FOR 446</i></p> <p><i>PHL 443[#], FW 340 (counts DPD also), SOC 456[#]</i></p> <p><i>SOC 480[#], HST 481[#], AREC 353, PS 475, SOC 456[#]</i></p> <p>CSS 305, FW 479, RNG 455, <i>CSS 395[#]</i></p> <p>FOR 444, <i>FOR 352-d</i></p>
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Specialty Option: Natural Resource Policy (Management or Social Emphasis) (the list of courses here are for guidance purposes, other courses may fit specific slots at the discretion of your advisor)

Prerequisites

Section 4a (3 of the following courses) [EC 201, PS 201/202 and SOC 201 or equivalents may be prerequisites for certain upper division courses.]

___	EC 201* (4)	Intro to Microeconomics	See COCC catalog
___	PHL 201* or 202* (3)	Problems of Philosophy	"
___	PS 201* or 202* (3)	American Government	"
___	PSY 201* or 202* (4)	Mind & Brain or Mind & Society	"
___	SOC 201* (3)	Intro to Sociology	"

Section 4b (4 of the following courses)

___	FOR 111* (4)	Introduction to Forestry	"
___	FW 251* (3)	Principles of Wildlife Conservation	"
___	COMM 321 (3)	Intro to Communications Theory	
___	FW 325 (3)	Global Crises in Resource Ecology	
___	Maximum of 2 of the following § 4		
___	___ ENG 445 (3)	"Environ Essay"	___ ENG 482 (3) "Environ Lit"
___	___ ENG 454 (3)	"Poetry & the Environ"	___ ENG 485 (3) "Lit of Place"
___	RNG 490 (4)	Rangeland Management Planning	

Note: Talk with your advisor about distance courses that meet this requirement

NOTE: For section 4c, instead of focusing on either the Management or Social Emphasis areas (below), students have the option of selecting any 28 credit hours from the courses listed in both groups.

Section 4c: Management emphasis (28 credit hours from the following)

___	FOR 208* (4)	Principles of Soil Science	
	or CSS 205 (4)	<i>Soils: Sustainable Ecosystems</i>	
___	FOR 445 (4)	Ecological Restoration	BI 370
	or BI 410-U		
___	FW 311 (3)	Biology of Birds	one year Bio
___	FW 317 (3)	Biology of Mammals	one year Bio
___	FW 325 (3)	Global Crises in Resource Ecology	
___	FW 350 (3)	Endangered Species, Society & Sustainability	
___	FW 481 (4)	Wildlife Ecology	BI 370
___	GEO 301 (4)	Map & Image Interpretation	G 201 or consent
___	GEO 305# (3)	Living with Active Cascades Volcanoes	
___	GEO 322 (4)	Surficial Processes	G 201 or consent
___	RNG 348 & 499 (4)	Aridland Plants	One year biology
___	RNG 455 (3)	Riparian Ecology & Mgt	RNG 355
___	RNG 490 (4)	Rangeland Mgt Planning	
___	RNG 441(4)	Rangeland Analysis	MTH 244
___	FOR/FW/RNG 446 (3)	<i>Wildland Fire Ecology</i>	
___	GEOL 310-U (4)	Earth Resources and Environment	
	or GEOL 311-U (4)	Earth Materials	
	or GEOL 353-U (4)	Environmental Hazards	

Note: Talk with your advisor about distance courses and COCC courses that may meet this requirement

Section 4c: Social emphasis (28 credit hours from the following)

___	COMM 321 (3)	Introduction to Communications theory	
___	Maximum of 2 of the following 5 [must be different from those taken in section 4b above]		
___	___ ENG 445 (3)	Environmental Essay	
	___ ENG 454 (3)	Poetry & the Environment	
	___ ENG 480 (3)	Nature and Literature	
	___ ENG 482 (3)	Environmental Literature	
	___ ENG 485 (3)	Literature of Place	
___	GEO 305# (3)	Living with Cascades Volcanoes	
	or GEO 310-U (4)	Earthquakes and Volcanoes	
___	RNG 490 (4)	Rangeland Management Planning	
___	PS 475 (4)	Environmental Politics and Policy	

Note: Talk with your advisor about distance courses that meet this requirement

Specialty Option: Resource Conservation Specialty Option

Goal of this specialty option is to prepare students for careers in the broad arena of natural resource and environmental conservation, with an emphasis on the ecological aspects of resource issues. It is designed for students that have been working on a Forest Technology degree at COCC.

COCC Forest Resources Technology Courses(maximum of 19 cr hrs from the following)

___	FE 210A	Intro Forest Survey I	4
___	FOR 220B	Resource Measurements	4
___	FOR 240A	Forest Ecology	3
___	FOR 240B	Wildlife Ecology	3
___	or FW 251	Principles of Wildlife Conservation	
___	FOR 241A	Dendrology I	3
___	FOR 241B	Dendrology II	3
___	FOR 260	Conserv of Nat'l Res	3
___	GEOG 265	GIS	4

OSU-Cascades Courses (31+ credit hours from the following) (the list of courses here are for guidance purposes, other courses may fit specific slots at the discretion of your advisor)

___	FOR 208* (4)	Principles of Soil Science	
	or CSS 205 (4)	<i>Soils: Sustainable Ecosystems</i>	
___	FOR 445 (4)	Ecological Restoration	BI 370
	or BI 410-U		
___	FW 311 (3)	Biology of Birds	one year Bio
___	FW 317 (3)	Biology of Mammals	one year Bio
___	FW 325 (3)	Global Crises in Resource Ecology	
___	FW 350 (3)	Endangered Species, Society & Sustainability	
___	FW 481 (4)	Wildlife Ecology	BI 370
___	GEO 301 (4)	Map & Image Interpretation	G 201 or consent
___	GEO 322 (4)	Surficial Processes	G 201 or consent
___	RNG 348 & 499 (4)	Aridland Plants	One year biology
___	RNG 455 (3)	Riparian Ecology & Mgt	RNG 355
___	RNG 490 (4)	Rangeland Mgt Planning	
___	RNG 441(4)	Rangeland Analysis	MTH 244
___	FOR/FW/RNG 446 (3)	<i>Wildland Fire Ecology</i>	
___	GEOL 310-U (4)	Earth Resources and Environment	
	or GEOL 311-U (4)	Earth Materials	
	or GEOL 353-U (4)	Environmental Hazards	
___	COMM 321 (3)	Introduction to Communications theory	
___	Maximum of 2 of the following 5		
___	___ ENG 445 (3)	Environmental Essay	
___	___ ENG 454 (3)	Poetry & the Environment	
___	___ ENG 480 (3)	Nature and Literature	
___	___ ENG 482 (3)	Environmental Literature	
___	___ ENG 485 (3)	Literature of Place	
___	GEO 305# (3)	Living with Cascades Volcanoes	
	or GEO 310-U (4)	Earthquakes and Volcanoes	
___	RNG 490 (4)	Rangeland Management Planning	
___	PS 475 (4)	Environmental Politics and Policy	

