



Advising Guide for Students on the WSU Pullman Campus

University Core Requirements (UCORE):	Credits	Offered	Term
HIST 105 [ROOT]	3	F, S, Su	
ENGLISH 101 [WRTG]	3	F, S, Su	
HD 205 or COM 102 [COMM]	3-4	F, S, Su	
ECONS 101 [SSCI] & SOE Core requirement	3	F, S, Su	
Humanities Elective [HUM]	3	F, S, Su	
Creative & Professional Arts Elective [ARTS]	3	F, S, Su	
Additional CAS Elective [ARTS, HUM or SSCI]	3	F, S, Su	

Introductory Science and Math: (fills [QUAN], [BSCI] and [PSCI] requirements for UCORE)			
beginning Fall 2020: EES majors must make grades of C or higher in all science & math courses			
SOE 110 Environment, Human Life, and Sustainability	4	F, S, Su	
SOE 101 Introduction to Geology - or - SOE 102 Geology for Science Majors	4	F, S, Su	
Math 106 College Algebra (Pre-Calculus)	3	F, S, Su	
Math 108 Trigonometry	2	F, S, Su	
STAT 212 [QUAN] OR Math 140 or 171 Calculus	4	F, S, Su	
BIOLOGY 106 Organismal Biology	4	F, S, Su	
BIOLOGY 107 Cell Biology and Genetics	4	F, S, Su	
CHEM 101 Introduction to Chemistry - or - CHEM 105 Principles of Chemistry I	4	F, S, Su	
CHEM 102 Chemistry Related to Life Sciences - or - CHEM 106 Principles of Chemistry II	4	F, S, Su	

School of the Environment (SoE) Core (three Writing in the Major [M] courses are requir	red)		
Introdution to School of the Environment (SOE)			
SOE 100 An Introduction to Our Environment: Geology, Ecology, and Environmental Stewardship	1	F	
Earth Science:			
SOE 210 Earth History & Evolution	4	F, S, Su	
Water Science:			
SOE 315 Water & Earth - or -	3	S	
SOE 461 Watershed Management	3	S	
Ecology:			
SOE 300 Natural Resources Ecology	3	F, S	
Society & Environment:			
SOE 312 Natural Resources & Society [DIVR]	3	S	
Spatial Analysis:			
SOIL_SCI 368 Introduction to Geographic Information Systems (GIS)	3	F	
Integrative Capstone:			
SOE 454 Restoration Ecology [CAPS] [M]	3	F	
Experiential:			
SOE 479 or SOE 495 Internship (not TA-ship) - or -	3	F, S, Su	
SOE 420 Yosemite Practicum - or -	2-3	Su	
SOE 499 Special Topics/Problems	3	F, S, Su	
135 hours of advisor approved work experience	0-3	F, S, Su	

Environmental & Ecosystem Sciences Major Core:			
200-Level Required Elective: (choose one)			
SOE 204 Natural Resources Measurements - or -	4	F	
SOE 230 Oceanography - or -	3	F, S	
SOE 275 Rivers: Form, Function, and Management - or -	3	F	
SOE 285 Science and Policy of Climate Change	3	S	
Advanced Statistics Elective:			
STAT 412 Statistical Methods in Research I - or -	3	F, S, Su	
Professional Electives: (31 credits, including a maximum of nine credits at the 200-level)			
SOE 200+			
SOE 200+			
SOE 200+			
SOE 300+			



## Professional Electives: suggested emphasis areas

Natural Resource Ecology (Wildlife; Forestry)	Credits	Offered	Term
SOE 301 Forest Plants & Ecosystems	3	F	
SOE 302 Arid Land Plants & Ecosystems SOE 305 Silviculture	3	S F	
SOE 310 Methods in Wildlife Ecology	3 4	F	
SOE 318 Wildlife Genetics	3	SAYO	
SOE 411 Limnology [M] SOE 417 Fisheries Science and Management	3	F F	
SOE 430 Introduction to Wildland Fire	3	F	
SOE 431 Wildlife Nutrition	3	S	
SOE 435 Wildlife Ecology SOE 441 Population Ecology & Conservation	4	S F	
SOE 446 Habitat Ecology [M]	3	F	
SOE 450 Conservation Biology [M]	3	S	
SOE 461 Watershed Management SOE 464 Landscape Ecology [M]	3	SAYO	
SOE 465 Aquatic Microbial Ecology	4	S	
SOE 471 International Wildlife Conservation	3	SAYE	
SOE 485 Disturbance Ecology Environmental Science & Climate	- 3	SAYO	
SOE 250 Introduction to Earth System Science	3	S	
SOE 285 The Science and Policy of Climate Change	3	S	
SOE 311 Modeling the Environment SOE 335 Environmental Policy [M]	3	F F	
SOE 390 Living on the Edge: Global Climate Change and Earth History	3	F	
SOE 402 Human Health and the Environment	3	F	
SOE 404 The Ecosystem [M] SOE 412 Global Biogeochemistry [M]	3	S F	
SOE 444 Environmental Assessment	3	F, S	
SOE 445 Hazardous Waste Management	3	F F	
SOE 460 Biotechnology and the Environment SOE 483 Sustainability: Applied Improvement or Promotion Projects	3	S	
BIOLOGY 469 Ecosystem Ecology and Global Change [M]	3	F	
BIOLOGY 330 Principles of Conservation	3	S, Su	
CE 401 Climate Change Science and Engineering CE 403 Air Quality Management	3	S S	
Water Science			
SOE 230 Oceanography	3	F, S	
SOE 250 Introduction to Earth System Science SOE 275 Rivers: Form, Function, and Management	3	S F	
SOE 275 Rivers: Form, Function, and Management SOE 311 Modeling the Environment	4	F	
SOE 315 Water and the Earth	3	S	
SOE 390 Living on the Edge: Global Climate Change and Earth History SOE 411 Limnology [M]	3	F	
SOE 417 Eilmology [W] SOE 417 Fisheries Science and Management	3	F	
SOE 461 Watershed Management	3	S	
SOE 463 Water and the Environment SOE 465 Aquatic Microbial Ecology	3 4	S	
SOE 475 Groundwater	3	F	
BIOLOGY 410 Marine Ecology	3	F	
BIOLOGY 412 Biology of Fishes	3	SAYE	
Earth Sciences SOE 207 Geology Field Camp	3	SS	
SOE 230 Oceanography	3	F, S	
SOE 303 Environmental Geology	3	S	
SOE 315 Water and the Earth SOE 320 Sedimentary Petrology and Sedimentation	3	S F	
SOE 340 Structural Geology [M]	4	S	
SOE 350 Mineralogy and Crystallography	4	F	
SOE 356 Igneous and Metamorphic Petrology SOE 405 Near Surface Geophysics	4	S F	
SOE 408 Field Geology [M]	3	SS	
SOE 412 Global Biogeochemistry [M]	3	F	
SOE 416 Soil Processes in the Earth's Critical Zone SOE 463 Water and the Environment	3	S	
SOE 467 Volcanology	4	FAYE	
SOE 470 Economic Geology SOE 474 Physics and Chemistry of the Earth	3 4	S S	
SOE 474 Physics and Chemistry of the Earth	3	F	
SOIL_SCI 374 Introduction to Remote Sensing	3	S	
SOIL_SCI 441-442 Soil Fertility (with lab) SOIL_SCI 414-415 Environmental Biophysics (wityh lab)	3	S S	
Policy and Planning	J	,	
SOE 285 The Science and Policy of Climate Change	3	S	
SOE 335 Environmental Policy [M] SOE 390 Living on the Edge: Global Climate Change and Earth History	3	F F	
SOE 438 Natural Resource and Environmental Policy and Law	3	S	
SOE 444 Environmental Assessment	3	F, S	
SOE 460 Biotechnology and the Environment SOE 483 Sustainability: Applied Improvement or Promotion Projects	3	F S	
ECONS 326 Aspects of Sustainable Development	3	S	
ECONS 330 Natural Resource Economics	3	F	
ECONS 430 Managing the Global Environment ECONS 431 Economic Analysis of Environmental and Natural Resource Policies	3	F F	
	3	S	
H_D 487 Special Topics: Global Issues in Agricultural, Human, and Natural Resource Sciences		S	
PHIL 370 Environmental Ethics	3		
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