

Bachelor of Science in Forestry^a
Restoration and Conservation Science Concentration – 2021-22 Catalog

Department of Forestry, Wildlife and Fisheries
 University of Tennessee, Knoxville

Student _____ Advisor _____

Fall Semester	Year 1	Spring Semester
_____ (3) FORS 100 - Forests and Forestry in American Society		_____ (3) FWF 250 - Conservation
_____ (4-5) BIOL 101 - Intro Biology: Cells, Gen, & Physiology OR BIOL 113 - Intro Plant Biol I AND BIOL 115 - Lab OR BIOL 150 - Org & Ecol Biol AND BIOL 159 - Skills Biol Inv		_____ (3) Cultures and Civilizations Elective ^b
_____ (4) CHEM 102 AND 103 - Prin of Chem/Prin of Chem lab OR CHEM 122 AND 123 - Gen Chem I/Gen Chem I lab OR CHEM 128 – Hon Gen Chem I		_____ (3) ENGL 102 - English Composition II
_____ (3) ENGL 101 - English Composition I OR ENGL 118 - Honors		_____ (3) MATH 125 - Basic Calculus
_____ (3) ENGL 101 - English Composition I OR ENGL 118 - Honors		_____ (3) Ethics Elective ^c
14-15		15
Fall Semester	Year 2	Spring Semester
_____ (3) Oral Communication Elective (Gen Ed) ^h		_____ (3-4) FORS 215 - Forest Ecology OR BIOL 260 & 269
_____ (4) ESS 210 - Introduction to Soil Science		_____ (3) MATH 115 - Stat Reason OR STAT 201 Intro Stats
_____ (3) FWF 212 - Dendrology & Silvics of North American Trees		_____ (3) Social Sciences Elective ^d
_____ (3) BIOL 114 - Introductory Plant Biology II OR FORS 214 - Tree Biology		_____ (3) Arts and Humanities Elective ^b
_____ (3) Cultures and Civilizations Elective ^b		_____ (3-4) Economics Elective ^j
16		15-17
Fall Semester	Year 3	Spring Semester
_____ (3) EEB 330 - Field Botany OR FWF 325S - Wildlife Veg & Habitat		_____ (1) FWF 310 - Wildland Fire Behavior & Mgt
_____ (3) FWF 315 - Principles of Wildlife & Fisheries Management		_____ (3) FWF 312 - Principles of Silviculture ^c
_____ (3) GEOL 454 - Environmental Restoration		_____ (3) FWF 313 - Measurements and Sampling
_____ (3) Human Dimensions Elective ^e		_____ (3) FWF 324 - Applied Ecosystem Restoration
_____ (3) EPP 411 - Forest Insects and Diseases		_____ (2) FORS 314 - Economics of Forest & Wildland Res
		_____ (3) ESS 424 - Environ Stormwater Management OR GEOG 436 - Water Resources
15		15
Fall Block	Year 4	Spring Semester
_____ (2) FORS 305 - Prescribed Fire Management		_____ (3) FORS 422 - Forest and Wildland Resource Policy
_____ (3) FORS 322 - Silvicultural Practices		_____ (3) FWF 416 - Plan & Mgt FWF Resources
_____ (1) FORS 323 - People and Forest Practices		_____ (2-4) Technical Elective ^f
_____ (3) FORS 329 - Forest Resource Inventory		_____ (3) GIS Elective ⁱ
_____ (3) FORS 496 - Internship in Forestry		_____ (3) Communications Elective ^g
_____ (2) FWF 415 - Upland Habitat Management		
14		14-16

^a 120 hours required for graduation; courses listed by department, number and title are required.

^b General Education Electives. Choose two courses from the Cultures and Civilizations list and one course from the Arts and Humanities list. A second Arts and Humanities elective must be chosen for the Ethics elective, for a total of 12 credit hours. FWF 312 meets the Communication through Writing (WC) requirement.

^c Ethics Elective - choose from PHIL 101, PHIL 244, PHIL 252.

^d Social Sciences Elective - choose from approved Social Sciences General Education courses excluding AREC 201, ECON 201 and ECON 207.

^e Human Dimensions Elective - choose from FWF 320, FWF 420, FWF 427; SOCI 360, SOCI 465.

^f Technical Electives - choose from any course in AGNR, AREC, EEB, EPP, FORS, FWF, GEOG, GEOL, PLSC, or WFS at the 300-level or above, that has not been counted toward other requirements.

^g Communications Elective - choose from ALEC 440; ENGL 295, ENGL 355, ENGL 360, ENGL 363, ENGL 364, ENGL 455, ENGL 456, ENGL 460, ENGL 463, ENGL 464; JREM 414, JREM 450, JREM 451.

^h Oral Communication Elective (Gen Ed) - choose from ALEC 240; CMST 210, CMST 217, CMST 240, CMST 247.

ⁱ GIS Elective - choose from ESS 326; FWF 430; GEOG 311.

^j Economics elective - choose from AREC 201; ECON 201, ECON 207, ECON 211, ECON 213.

Elective Choices:

Ethics elective –

PHIL 101 Introduction to Philosophy
PHIL 244 Professional Responsibility
PHIL 252 Contemporary Moral Problems

Human Dimensions elective –

FWF 320 Human Dimensions of Natural Resources
FWF 420 International Natural Resource Issues
FWF 427 Honors International Natural Resource Issues
SOC 360 Environment and Resources
SOC 465 Social Values and the Environment

Technical electives –

Any 300-level or above course not being counted for other requirements in:
AGNR, AREC, EEB, EPP, FORS, FWF, GEOG, GEOL, PLSC, or WFS

Communications elective –

ALEC 440 Business and Research Writing
ENGL 295 Writing in the Workplace
ENGL 355 Rhetoric and Writing
ENGL 360 Technical and Professional Writing
ENGL 363 Writing Poetry
ENGL 364 Writing Fiction
ENGL 455 Persuasive Writing
ENGL 456 Contemporary Fiction/Narrative
ENGL 460 Technical Editing
ENGL 463 Advanced Poetry Writing
ENGL 464 Advanced Fiction Writing
JREM 414 Magazine and Feature Writing
JREM 450 Writing about Science and Medicine
JREM 451 Environmental Writing

Oral communications elective –

ALEC 240 Presentation and Sales Strategies for Agricultural Audiences
CMST 210 Public Speaking
CMST 217 Honors: Public Speaking
CMST 240 Business and Professional Communication
CMST 247 Honors: Business and Professional Communication

GIS elective –

ESS 326 GIS/GPS Applications in Agriculture and Environmental Science
FWF 430 Introduction to Geographic Information Systems (GIS) for Natural Resources
GEOG 311 Geovisualization and Geographic Information Science

Economics elective –

AREC 201 Economics of the Global Food and Fiber System
ECON 201 Introductory Economics: A Survey Course
ECON 207 Honors: Introductory Economics
ECON 211 Principles of Microeconomics
ECON 213 Principles of Macroeconomics