

Bachelor of Science in Forestry<sup>a</sup>  
**Restoration and Conservation Science Concentration – 2019-20 Catalog**

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

Student \_\_\_\_\_ Advisor \_\_\_\_\_

Fall Semester	<b>Year 1</b>	Spring Semester
____ (4-5) BIOL 101 - Intro Biology: Cells, Gen, & Physiology <b>OR</b> BIOL 113 - Intro Plant Biol I <b>AND</b> BIOL 115 - Lab <b>OR</b> BIOL 150 - Org & Ecol Biol <b>AND</b> BIOL 159 - Skills Biol Inv		____ (3) Cultures and Civilizations Elective <sup>b</sup>
____ (4) CHEM 100 - Prin of Chem <b>OR</b> CHEM 120 - Gen Chem I		____ (3) ENGL 102 - English Composition II
____ (3) ENGL 101 - English Composition I <b>OR</b> ENGL 118 - Honors		____ (3) FWF 250 - Conservation
____ (3) FORS 100 - Forests and Forestry in American Society		____ (3) MATH 125 - Basic Calculus
		____ (3) Ethics Elective <sup>c</sup>
14-15		15

Fall Semester	<b>Year 2</b>	Spring Semester
____ (3) Oral Communication Elective (Gen Ed) <sup>h</sup>		____ (3-4) FORS 215 - Forest Ecology <b>OR</b> BIOL 260/269
____ (4) ESS 210 - Introduction to Soil Science		____ (3) MATH 115 - Stat Reason <b>OR</b> STAT 201 Intro Stats
____ (3) FWF 212 - Dendrology & Silvics of North American Trees		____ (3) Social Sciences Elective <sup>d</sup>
____ (3) BIOL 114 - Introductory Plant Biology II		____ (3) Arts and Humanities Elective <sup>b</sup>
____ <b>OR</b> FORS 214 - Tree Biology		____ (3-4) Economics Elective <sup>j</sup>
____ (3) Cultures and Civilizations Elective <sup>b</sup>		
16		15-17

Fall Semester	<b>Year 3</b>	Spring Semester
____ (3) EEB 330 - Field Botany <b>OR</b> 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 <sup>c</sup>
____ (3) GEOL 454 - Environmental Restoration		____ (3) FWF 313 - Measurements and Sampling
____ (3) Human Dimensions Elective <sup>e</sup>		____ (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 <b>OR</b> GEOG 436 - Water Resources
15		15

Fall Block	<b>Year 4</b>	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 <sup>f</sup>
____ (3) FORS 329 - Forest Resource Inventory		____ (3) GIS Elective <sup>i</sup>
____ (3) FORS 496 - Internship in Forestry		____ (3) Communications Elective <sup>g</sup>
____ (2) FWF 415 - Upland Habitat Management		
14		14-16

<sup>a</sup> 120 hours required for graduation; courses listed by department, number and title are required.

<sup>b</sup> 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.

<sup>c</sup> Ethics Elective - choose from PHIL 101, PHIL 244, PHIL 252.

<sup>d</sup> Social Sciences Elective - choose from approved Social Sciences General Education courses excluding AREC 201, ECON 201 and ECON 207.

<sup>e</sup> Human Dimensions Elective - choose from FWF 320; SOCI 360, SOCI 465.

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

<sup>g</sup> 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.

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

<sup>i</sup> GIS Elective - choose from ESS 326; FWF 430; GEOG 311.

<sup>j</sup> 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  
SOCI 360 Environment and Resources  
SOCI 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, GEOL, GEOG, 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