### Bachelor of Science in Forestry
#### Forest Resources Management Concentration – 2021-22 Catalog

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

<table>
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<th>Student Advisor</th>
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**Fall Semester**  
**Year 1**  
- (3) BIOL 113 - Introductory Plant Biology I  
- (2) BIOL 115 - Introductory Plant Biology Laboratory  
- (4) CHEM 102 and CHEM 103 - Prin of Chem/Prin of Chem Lab  
- OR CHEM 122 and CHEM 123 - Gen Chem I/Gen Chem I Lab  
- (3) ENGL 101 - English Composition I  
- (3) ENGL 102 - English Composition II  
- (3) MATH 125 - Basic Calculus  
- (3) Social Sciences Elective  
- (3-4) Unrestricted Elective

**Spring Semester**
- (3) BIOL 114 - Introductory Plant Biology II  
- (3) ENGL 118 - Honors  
- (3) OR ENGL 118 - Honors  
- (3) FORS 100 - Forests and Forestry in American Society  
- (3) FORS 215 - Forest Ecology  
- (3) GIS Elective  
- (3) MATH 115 - Stat Reason OR STAT 201 - Intro Stats  
- (3) Cultures and Civilizations Elective  
- (3-4) Economics Elective  
- (15-16)  

**Fall Semester**
- (3) Oral Communication (Gen Ed)  
- (4) ESS 210 - Introduction to Soil Science  
- (3) FORS 214 - Tree Biology  
- (3) FWF 212 - Dendrology & Silvics of North American Trees  
- (3) Cultures and Civilizations Elective  
- (3) Ethics Elective  
- (3) Unrestricted Elective  
- (16)  

**Year 2**  
- (3) EPP 411 - Forest Insects and Diseases  
- (3) FORS 321 - Wildland Recreation  
- (2) FORS 331 - Wood Science for Forestry Majors  
- (3) FWF 315 - Principles of Wildlife & Fisheries Management  
- (3) Human Dimensions Elective  
- (3) FORS 314 - Econ of Forest and Wildland Res  
- (1) WFS 310 - Wildland Fire Behavior & Mgt  
- (3) FWF 312 - Principles of Silviculture  
- (3) FWF 313 - Measurements and Sampling  
- (3) Ethics Elective  
- (3) Unrestricted Elective  
- (14)  

**Spring Semester**
- (2) FORS 305 - Prescribed Fire Management  
- (3) FORS 322 - Silvicultural Practices  
- (1) FORS 323 - People and Forest Practices  
- (3) FORS 329 - Forest Resource Inventory  
- (1) FORS 332 - Forest Products Industry  
- (2) FORS 411 - Principles Wood Proc & Forest Operations  
- (2) FWF 415 - Upland Habitat Management  
- (3) FORS 422 - Forest and Wildland Resource Policy  
- (3) FORS 420 - Forest Resource Management  
- (3) FWF 416 - Plan & Mgt FWF Resources  
- (3) Arts and Humanities Elective  
- (3) Communications Elective  
- (15)  

**Fall Block**
- (2) FORS 305 - Prescribed Fire Management  
- (3) FORS 322 - Silvicultural Practices  
- (1) FORS 323 - People and Forest Practices  
- (3) FORS 329 - Forest Resource Inventory  
- (1) FORS 332 - Forest Products Industry  
- (2) FORS 411 - Principles Wood Proc & Forest Operations  
- (2) FWF 415 - Upland Habitat Management  
- (3) FORS 422 - Forest and Wildland Resource Policy  
- (3) FORS 420 - Forest Resource Management  
- (3) FWF 416 - Plan & Mgt FWF Resources  
- (3) Arts and Humanities Elective  
- (3) Communications Elective  
- (15)  

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*a 120 hours required for graduation; courses listed by department, number and title are required.  
*b Social Sciences elective - choose from AGNR 180, ANTH 130; ANTH 137; POLS 102; PSYC 110, PSYC 117; SOCI 110, SOCI 120, SOCI 127.  
*c General Education electives - choose two courses from the Cultures and Civilizations list and one course from the Arts and Humanities list (Ethics elective meets one of two AH course requirements). WFS 312 meets the Communication through Writing (WC) requirement.  
*d GIS elective - choose from ESS 326; FWF 430; GEOG 311.  
*e Human Dimensions elective - choose from WFS 320, WFS 420; SOCI 360, SOCI 465.  
*f Ethics elective (meets one AH requirement) - choose from PHIL 101, PHIL 244, PHIL 252.  
*g Communications elective - choose from 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 (Gen Ed) - choose from ALEC 240; CMST 210, CMST 217, CMST 240, CMST 247.  
*i Economics elective - choose from AREC 201; ECON 201, ECON 211, ECON 213.
**Elective Choices:**

**Social Sciences elective –**
- AGNR 180 Global Dynamics: Food, Biodiversity, and the Environment
- ANTH 130 Cultural Anthropology
- ANTH 137 Honors: Cultural Anthropology
- POLS 102 Introduction to Political Science
- PSYC 110 General Psychology
- PSYC 117 Honors: General Psychology
- SOCI 110 Social Problems and Social Justice
- SOCI 120 Introduction to Sociology
- SOCI 127 Honors: Introduction to Sociology

**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

**Human Dimensions elective –**
- FWF 320 Human Dimensions of Natural Resources
- FWF 420 International Natural Resource Issues
- SOCI 360 Environment and Resources
- SOCI 465 Social Values and the Environment

**Ethics elective –**
- PHIL 101 Introduction to Philosophy
- PHIL 244 Professional Responsibility
- PHIL 252 Contemporary Moral Problems

**Communications elective –**
- 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

**Economics elective –**
- AREC 201 Economics of the Global Food and Fiber System
- ECON 201 Introductory Economics: A Survey Course
- ECON 211 Principles of Microeconomics
- ECON 213 Principles of Macroeconomics