

Bachelor of Science in Forestry Degree Program

Last Revised 05/24/2018



FALL

SPRING

YEAR 1

FOR 100 FORESTS AND FORESTRY	3
FOR 285 COM. & PROF. DEV. IN FOR. & N.R. I	1
CHE 104 or CHE 105	3
Citizenship - U.S. (GEN 100 Issues in Ag., Food & Env.)	3
CIS/WRD 110 (Composition & Comm.)	3
<i>Forestry Credit Hours</i>	4
<i>Total Credit Hours</i>	13

FOR 240 FORESTRY AND NAT. RES. ETHICS	2
FOR 255 FOREST FIRE	1
BIO 103 Basic Ideas of Biology (Natural, Physical and Mathematical Sciences) (or BIO 148)	3
Quantitative Foundations (any approved with MA prefix)	3
CIS/WRD 111 (Composition & Communication)	3
Arts and Creativity	3
<i>Forestry Credit Hours</i>	3
<i>Total Credit Hours</i>	15

YEAR 2

FOR 200 BASICS OF GEOSPATIAL TECHNOLOGY	3
FOR 219 DENDROLOGY	4
FOR 250 STATISTICS AND MEASUREMENTS I (Statistical Inferential Reasoning)	4
FOR 280 FOREST RESOURCE POLICY AND LAW	3
Humanities	3
<i>Forestry Credit Hours</i>	14
<i>Total Credit Hours</i>	17

FOR 260 FOREST PRODUCTS & WOOD SCIENCE	4
FOR 330 GIS & SPATIAL ANALYSIS	3
PLS 366 FUNDAMENTALS OF SOIL SCIENCE	4
PROFESSIONAL ELECTIVE	3
Social Sciences	3
<i>Forestry Credit Hours</i>	11
<i>Total Credit Hours</i>	17

YEAR 3

FOR 221 WINTER DENDROLOGY (2 nd half of semester)	1
FOR 320 FOREST VALUATION & ECONOMICS	3
FOR 340 FOREST ECOLOGY	4
FOR 350 SILVICULTURE	4
FOR 370 WILDLIFE BIOLOGY & MANAGEMENT	4
<i>Forestry Credit Hours</i>	16
<i>Total Credit Hours</i>	16

FOR 286 COM. & PROF. DEV. IN FOR. & N.R. II	1
FOR 310 INTRO TO FOREST HEALTH & PRO.	1
FOR 356 FOREST SOILS AND HYDROLOGY	1
FOR 357 INVENTORY AND MEASUREMENTS II	2
FOR 358 SILVICULTURAL PRACTICES	3
FOR 359 FOREST OP. & UTILIZATION	3
FOR 365 WILDLIFE ASSESSMENT	2
<i>Forestry Credit Hours</i>	13
<i>Total Credit Hours</i>	13

YEAR 4

FOR 400 HUMAN DIMENSIONS OF FORESTRY & NATURAL RESOURCES*	3
FOR 502 FOREST ENTOMOLOGY	3
FOR 425 FOREST MANAGEMENT	4
FOR 460 FOREST HYDROLOGY AND WATERSHED MANAGEMENT	3
PROFESSIONAL ELECTIVE	3
<i>Forestry Credit Hours</i>	13
<i>Total Credit Hours</i>	16

FOR 435 CONSERVATION BIO. (Global Dynamics)	3
FOR 480 INTEGRATED FOREST RESOURCE MANAGEMENT*	5
PROFESSIONAL ELECTIVE	3
Free Elective	3
<i>Forestry Credit Hours</i>	8
<i>Total Credit Hours</i>	14

*Graduation Writing Requirement

	Credit Hours
REQUIRED FORESTRY COURSES	82
PROFESSIONAL ELECTIVES	9
Free Electives	3
Pre-Major Requirements	3 (6)
UK Core	24(31)
<i>Total Undergraduate Forestry Program</i>	121

For additional information contact:
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FORESTRY PROFESSIONAL ELECTIVES

The nine hours of professional electives are designed to give forestry students supplemental coursework to support their career interests. We encourage students to use these professional electives to enhance their knowledge base and build their resume.

Depending on a student's career interest they may take a series of courses in wildlife to help qualify them for the Associate Wildlife Biologist Certification by The Wildlife Society.

Students now have the option to pursue a Minor in Wildlife Biology and Management.

Students interested in consulting forestry, timber investment management organizations, or forest industry may take courses in business, management, or economics. Students interested in extension or environmental education may take courses in education, leadership, communication, or agriculture. For students planning to attend graduate school, upper-level science courses or statistics may be used. Communication, GIS, policy,

and agricultural economics are examples of other areas students may choose as professional electives. We also encourage students to enroll in study abroad, research, or internship experiences to meet their professional elective requirements.

Students need to visit with their advisors early (freshman or sophomore year) to outline a plan for meeting the professional elective requirement. Be aware that some courses may have prerequisites. In general, the professional electives should be a 300-level or above course.

Below is a list of suggested courses that qualify as professional electives. If a student wants to take a course not on this list, the student must receive approval from the Dept. of Forestry and Natural Resources Undergraduate Programs Committee (UPC). A student must provide a brief, written justification to their advisor for why they should receive approval to take the particular course. The advisor will then share this information with the UPC for final approval.

Business/Management/Economics

- ACC 201 Financial Accounting I (3)
- ACC 202 Managerial Uses Of Accounting Information (3)
- ACC 300 Financial Accounting II (3)
- ACC 301 Intermediate Accounting I (3)
- ACC 302 Intermediate Accounting II (3)
- ACC 324 Accounting Information Systems (3)
- AEC 201 Introduction To Farm And Natural Resource Finance (3)
- AEC 302 Agricultural Management Principles (4)
- AEC 303 Microeconomic Concepts In Agricultural Economics (3)
- AEC 304 Macroeconomic Concepts In Agricultural Economics (3)
- AEC 305 Food And Agricultural Marketing Principles (3)
- AEC 306 Technical Communication In Economics (2)
- AEC 309 International Agriculture, World Food Needs
And U.S. Trade In Agricultural Products (3)
- AEC 326 Principles Of Environmental Law (3)
- AEC 340 Human Resource Management In Agriculture (3)
- AEC 445G Intro. To Resource And Environmental Economics (3)
- B&E 201 Introduction To Business (3)
- ECO 201 Principles Of Economics I (3)
- ECO 202 Principles Of Economics II (3)
- FIN 360 Principles Of Real Estate (3)
- MGT 292 Introduction To Entrepreneurship (3)
- MGT 301 Business Management (3)
- MGT 450 Negotiations And Conflict Resolution (3)
- MKT 300 Marketing Management (3)
- NRE 545 Resource And Environmental Economics (3)

Communication/Leadership

- CIS 300 Strategic Business And Professional Communication (W) (3)
- CLD 360 Environmental Sociology (3)
- CLD 400 Agricultural Communications Campaigns (3)
- CLD 401 Principles Of Cooperative Extension (3)
- CLD 402 Principles Of Leadership (3)
- CLD 403 Leadership And Communication (3)
- CLD 404 Contemporary Leadership Applications (3)
- NRE 381 Natural Resource And Environmental Policy Analysis (3)
- WRD 425 Environmental Writing (3)

Experiential Education

- FOR 399 Field-Based Education In Forestry (1-3)
- Pre-Approved Study Abroad Courses

GIS/Remote Sensing/Land Use

- GEO 409 Advanced GIS (3)
- GEO 419 Introduction To Remote Sensing (3)
- GEO 506 Introduction To Computer Cartography (3)
- LA 308 Regional Land Use Planning Systems (3)
- LA 457 Contemporary Regional Land Use Planning Applications (3)
- LA/NRE 355 Intro. Geospatial Applications For Land Analysis (3)
- LA/NRE 556 Contemporary Geospatial App. For Land Analysis (3)

Plant Sciences

- BIO 351 Plant Kingdom (3)
- BIO 361 Ecology Of The Kentucky Flora And Vegetation (3)
- BIO/NRE 420G Taxonomy Of Vascular Plants (4)
- FOR 325 Economic Botany: Plants And Human Affairs (3)
- PLS 220 Introduction To Plant Identification (3)
- PLS 320 Woody Horticultural Plants (4)
- PLS 451 Landscape Management And Arboriculture (3)

Sciences

- ABT 360 Genetics (3)
- ABT 361 Genetics Lab Online (1)
- ABT 460 Introduction To Molecular Genetics (3)
- ABT/BIO/ENT/FOR 461 Introduction To Population Genetics (3)
- BIO 300 General Entomology (3)
- NRE/PLS 455G Wetland Delineation (3)
- NRE/PLS 456G Constructed Wetlands (3)

Wildlife Sciences

- FOR 510 Herpetology (4)
- FOR 520 Mammals Of The Eastern United States (4)
- FOR 530 Freshwater Ecology (3)
- FOR 540 Urban Ecology (3)
- FOR 550 U.S. Biodiversity Hotspots (3)
- FOR/GEO 570 Landscape Ecology for Natural Resources (3)