

Forestry

College of Agriculture, Food and Environment
and School of Human Environmental Sciences

Kentucky boasts many forested areas with famous reputations, such as Natural Bridge, Red River Gorge, Daniel Boone National Forest, and Robinson Forest. Robinson Forest is one of the largest research and educational forests in the eastern United States. It is managed by the Department of Forestry, and as a forestry student at the University of Kentucky all of its resources will be available to you as a unique outdoor laboratory.

The missions of the Department of Forestry are to identify and address the challenges and opportunities facing sustained management of our renewable natural resources, including forests, soils, water, and wildlife. These missions involve three interrelated functions: research, extension, and education. The research goal of the department is to obtain basic and applied information leading to wise and effective management of our natural resources. Forestry extension seeks to inform land owners and the general public about forest stewardship. Forestry education prepares students for careers as forestry and natural resource professionals. The objectives of the required courses in the forestry curriculum are to educate and train students in the communication, managerial, scientific, processing, and administrative skills and principles related to the stewardship and utilization of renewable natural resources. Accomplishment of these objectives will ensure a continuing supply of entry-level professionals for Kentucky and the nation.

The undergraduate (B.S.) program leading to the professional degree in forestry is accredited by the Society of American Foresters (SAF). SAF is the specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation as the accrediting agency for forestry in the United States. Additionally, you may become certified by The Wildlife Society if you choose appropriate elective courses.

Career Opportunities

Forestry graduates are employed as professional foresters in private forest industries and organizations, consulting companies, and public agencies, including the U.S. Forest Service, Soil Conservation Service, and state, county, or urban forestry programs. Graduates are also qualified to be research technicians in government, university, and private laboratories, or may continue their studies in specialized graduate programs.

The inclusion in the curriculum of management and processing principles makes UK forestry graduates attractive to the forest products industry; graduates are often employed as technical specialists, managers, and marketing and wood procurement personnel.

Graduation Requirements

To earn the Bachelor of Science in Forestry, the student must complete a minimum of 120 semester hours. Eight of these hours are earned while attending a Summer Camp between the third and fourth academic years. A 2.0 grade-point standing (on a 4.0 scale) is necessary and remedial courses may **not** be counted toward the total hours required for the degree.

Students will complete a field semester in the spring of their junior year. Throughout the spring field semester, students will visit numerous sites to see different ecosystems in the region. Students will periodically return to one site, or sample property, that will be used for in-depth analysis to show integration and application of field semester concepts.

The curriculum consists of UK Core requirements, preprofessional, professional, and specialty support components. Preprofessional, professional, and specialty support courses provide the skills and understanding to manage forest resources. Electives, chosen with the assistance of your advisor, strengthen your knowledge of basic principles in areas of special interest to you.

UK Core Requirements

See the *UK Core* section of the *2013-2014 Undergraduate Bulletin* for the complete UK Core requirements. The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill UK Core areas. Students should work closely with their advisor to complete the UK Core requirements.

I. Intellectual Inquiry in Arts and Creativity

Choose one course from approved list 3

II. Intellectual Inquiry in the Humanities

Choose one course from approved list 3

III. Intellectual Inquiry in the Social Sciences

Choose one course from approved list 3

IV. Intellectual Inquiry in the Natural, Physical, and Mathematical Sciences

BIO 103 Basic Ideas of Biology 3

V. Composition and Communication I

CIS/WRD 110 Composition and Communication I 3

VI. Composition and Communication II

CIS/WRD 111 Composition and Communication II 3

VII. Quantitative Foundations

*One calculus course from approved list 3

VIII. Statistical Inferential Reasoning

Recommended:

STA 210 Making Sense of Uncertainty:
An Introduction to Statistical Reasoning 3

IX. Community, Culture and Citizenship in the USA

GEN 100 Issues in Agriculture 3

X. Global Dynamics

Choose one course from approved list 3

UK Core hours 30

**Students who do not take calculus will use three hours of free electives taking MA 109 College Algebra.*

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Graduation Writing Requirement

Either of the following required courses fulfills the Graduation Writing Requirement:

FOR 400 Human Dimensions of Forestry and Natural Resources	3
FOR 460 Forest Hydrology and Watershed Management	4

Graduation Writing Requirement hours **3-4**

Premajor Requirements

Hours

GEN 100 Issues in Agriculture

BIO 103 Basic Ideas of Biology

or

BIO 150 Principles of Biology I

CHE 104 Introductory General Chemistry

or

CHE 105 General College Chemistry I

Subtotal: Premajor hours **9-10**

Major Requirements

Hours

FOR 110 Natural Resource Issues	1
FOR 150 Computer Applications in Natural Resource Professions	2
FOR 200 Basics of Geospatial Technology	2
FOR 219 Dendrology	4
FOR 230 Conservation Biology	3
FOR 240 Forestry and Natural Resource Ethics	2
FOR 250 Statistics and Measurements I	3
FOR 260 Forest Products and Wood Science	4
FOR 280 Forest Policy	2
FOR 310 Introduction to Forest Health and Protection	3
FOR 320 Forest Valuation and Economics	3
FOR 330 GIS and Spatial Analysis	3
FOR 340 Forest Ecology	4
FOR 350 Silviculture	4
FOR 355 Forest Fire Control and Use	1
FOR 356 Landscape Assessment	5
FOR 357 Inventory and Measurements II	2
FOR 358 Silvicultural Practices	3
FOR 359 Forest Operations and Utilization	3
FOR 370 Wildlife Biology and Management	4
FOR 400 Human Dimensions of Forestry and Natural Resources	3
FOR 425 Forest Management	4
FOR 460 Forest Hydrology and Watershed Management	4
FOR 470 Interdependent Natural Resource Issues	3
FOR 480 Integrated Forest Resource Management	5
PLS 366 Fundamentals of Soil Science	4

Subtotal: Major hours **81**

Electives

Elective courses should be selected by the student to lead to the minimum total of 120 hours required for graduation.

Subtotal: Electives **2**

TOTAL HOURS: **120**