

Forest & Natural Resource Sciences

College of Agriculture, Food & Environment

Students may elect to pursue the Master of Science in Forest and Natural Resource Sciences degree under Plan A, which requires a minimum of 24 semester hours of graduate course work plus an acceptable thesis, or under a non-thesis option (Plan B), which requires a minimum of 30 semester hours of graduate course work that includes an area of specialization. All Forest and Natural Resource Sciences graduate students take:

- FOR 601 (Research Methods in Forestry, taught every fall semester)
- FOR 602 (Renewable Natural Resources in a Global Perspective, taught in the fall semesters of odd-numbered calendar years)
- FOR 770 three times (Forestry Seminar, at least one section of which is taught each fall and spring semester).

A goal of the Forest and Natural Resource Sciences Graduate Program is to contribute to improved forest health and management through enhanced understanding of relevant ecological and social benefits and constraints. Consequently, a student's degree program may be directed toward any of the disciplinary or interdisciplinary fields in Forest and Natural Resource Sciences, which range from molecular to landscape and societal levels. The Program's current research has particular strengths in southern Appalachian hardwood forest ecology and management, forest hydrology and watershed management, reforestation and mine reclamation, invasive species and forest health, animal ecology and management, and human dimensions including forest policy and economics.

In addition to mentoring Master's students in the Forest and Natural Resource Sciences Graduate Program, faculty members of the Department of Forestry serve as major professors for M.S. and Ph.D. students in other academic programs. Examples of other graduate programs in which Department of Forestry students have enrolled include agricultural economics, animal science, biology, crop science, geography, earth & environmental sciences, plant physiology, and plant & soil science. Details about Ph.D. opportunities available in the Department of Forestry are available by contacting individual faculty members directly (<http://forestry.ca.uky.edu/faculty>).

Admission Requirements

Applicants for admission to the Master of Science in Forest and Natural Resource Sciences degree program must hold (by the time of enrollment in the program) an awarded four-year baccalaureate degree from an accredited institution of higher learning. Although it is not required that an applicant's undergraduate degree be in forestry or another natural resource field, a student admitted to the program who lacks essential undergraduate courses may be required by an advisory committee to take them. Applicants are expected to have an overall undergraduate grade point average of 3.00 and a minimum combined verbal and quantitative score on the Graduate Record Examination (GRE) of 1000 (if the GRE is taken prior to 1 August 2011). If the revised GRE is taken on or after 1 August 2011, the minimum expected combined score is 297. Applications are submitted online (<http://www.gradschool.uky.edu/ProspectiveStudents/Admission.html>). Each applicant must identify (in the personal statement) a graduate faculty member who agrees to serve as his/her major advisor and whether or not the applicant wishes to be considered for an assistantship. Applications for fall admission that are complete by February 1 are eligible to be considered for departmentally-funded research and teaching assistantships that normally begin on July 1 of the same calendar year. Research assistantships are sometimes funded by the grants and contracts of individual faculty members; applications for such assistantships may be subject to different deadlines that are established by those faculty members.

More detailed information concerning the Forest and Natural Resource Sciences Graduate Program's admission procedures, assistantships, and degree requirements may be obtained:

- at <http://forestry.ca.uky.edu/forestry-graduate-program>
- for your specific area(s) of interest from our individual faculty members (<http://forestry.ca.uky.edu/faculty>)
- by contacting the Director of Graduate Studies at (859) 257-3773

Graduate Courses

FOR 460	Forest Watershed Management	(3)
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 564	Forest Soils (Same As PLS 564)	(3)
FOR 570	Landscape Ecology For Natural Resources (Same As GEO 570)	(3)
FOR 599	Independent Work In Forestry	(1-3)
FOR 601	Research Methods In Forestry	(3)
FOR 602	Renewable Natural Resources In A Global Perspective	(3)
FOR 606	Conceptual Methods In Ecology And Evolution (Same As ENT/BIO 606)	(3)
FOR 607	Advanced Evolution (Same As ENT/BIO 607)	(2)
FOR 608	Behavioral Ecology And Life Histories (Same As ENT/BIO 608)	(2)
FOR 609	Population And Community Ecology (Same As BIO/ENT 609)	(2)
FOR 612	Forest Ecosystem Dynamics	(3)
FOR 620	Special Topics In Forestry (Subtitle Required)	(1-3)
FOR 622	Physiology Of Plants I (Same As PLS/BIO 622)	(3)
FOR 623	Physiology Of Plants II (Same As PLS/BIO 623)	(3)
FOR 662	Quantitative Methods In Renewable Resource Management (Same As AEC 662)	(3)
FOR 695	Field Research In Forestry	(3)
FOR 748	Master's Thesis Research	(0)
FOR 768	Residence Credit For Master's Degree	(1-6)
FOR 770	Forestry Seminar (Subtitle Required)	(1)
FOR 781	Special Problems In Forestry	(1-3)
FOR 791	Research In Forestry	(1-3)