

MS in Natural Resources with Emphasis in Agroforestry

Agroforestry, as a farming system that integrates crops and/or livestock with trees and shrubs, has a long history of interdisciplinary research at the University of Missouri. The interdisciplinary emphasis area capitalizes on existing agroforestry research collaborations across the School of Natural Resources (SNR) departments in building an academic program that could attract and serve quality graduate students from Missouri, the nation and the world. The agroforestry emphasis area offers both a thesis and non-thesis option. The program also offers an online option designed for professionals working in natural resources around the globe who already have an undergraduate degree in a related field. Please visit the online webpage for more information: <https://online.missouri.edu/degrees-programs/mu/cafnr/agroforestry/ms/>. For a listing of Faculty membership of the graduate Agroforestry Emphasis Area: <https://snr.missouri.edu/graduate-studies/agroforestry-graduate-program/>

Degree Requirements

Students seeking the agroforestry graduate emphasis will develop their course of study to incorporate 12 hours of a core curriculum of designated courses. This has been designed to include theoretical foundations in both the biophysical and socioeconomic components of agroforestry. The curriculum leads the student through a progression of learning and applying concepts related to (A) Agroforestry Fundamentals; (B) Biophysical Foundation; and (C) Socio-economic Foundation (Table 1).

Each student's coursework requirements, including the selection of specific courses in the above categories, will be listed in the student's plan of study and approved by their graduate committee.

The 12-cr core curriculum for the Agroforestry Emphasis M.S. program

A. Agroforestry Fundamentals

FOREST 7385	Agroforestry I: Theory, Practice and Adoption	3
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B. Biophysical Foundation

FOREST 7390	Watershed Management and Water Quality	3
ENV_SC 7396	Agroforestry for Watershed Restoration	3
FOREST 8385	Ecological Principles of Agroforestry	3
ENV_SC 7320	Hydrologic and Water Quality Modeling	3
NAT_R 8325	Introduction to Geographic Information Systems	3
NAT_R 8024	Program Development and Evaluation in Informal Settings	3
NAT_R 8300	Urban Biodiversity, Conservation, and Planning	3
FOREST 9087	Seminar in Forestry	1
AG_ED_LD 8087	Seminar in Agricultural Education and Leadership	1-99
AG_ED_LD 8510	Research Methods and Design	3
AG_ED_LD 8250	Leadership Theory and Application	3
AG_ED_LD 8540	Methods of Qualitative Research	3

C. Social-economic Foundation

FOREST 8395	Agroforestry Economics and Policy	3
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