

COMMUNITY FORESTRY, CERTIFICATE

Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

Program Description

The population of the United States is projected to grow 48% from 296 million in 2005 to 438 million in 2050. Planning for and managing natural resources closer to people and communities will become more important, not less. Demand for professionals (foresters, landscape architects, landscape contractors, city planners) with training in the best management of community forests will continue to grow. The goal of the 15-credit Community Forestry certificate is to provide advanced knowledge on the planning and management of trees, forests, and other natural resources including their role in community development. Participants will gain an understanding of soils, tree care and maintenance, community forestry management plans, land use planning and regulatory policy, and working in connected human ecological systems.

You Might Like This Program If...

- You are interested in better planning and managing streetscapes, parks, and other public landscapes.
- You are interested in conserving ecosystem processes and providing ecosystem services in built environments.
- You enjoy connecting people with the natural resources that provide for their health, happiness, and quality of life.

Program Requirements

To earn an undergraduate certificate in Community Forestry, a minimum of 15 credits is required.

Code	Title	Credits
Required Courses		
FOR 401	Urban Forest Management	3
HORT 301	Principles of Arboriculture	3
SOILS 101	Introductory Soil Science	3
HORT 408	Landscape Plant Establishment and Maintenance	3-4
or SOILS 404	Urban Soils	
Select one of the following:		3
CAS 404	Conflict Resolution and Negotiation	
CED 327	Environment and Society	
ERM 411	Legal Aspects of Resource Management	
FOR 450W	Human Dimensions of Natural Resources	

Certificate Learning Objectives

- **Community Forest Management Plan:** Students will demonstrate the ability to apply their knowledge in the development of a community forest management plan.
- **Community Forestry Commissions and Ordinances:** Students will demonstrate an understanding of community tree commissions, and street and park tree ordinances.

- **Community Forestry Principles:** Students will demonstrate an understanding of the principles of site analysis, tree selection, and tree planting in the built environment.
- **Community Forestry Standards:** Students will demonstrate an understanding of the recognized standards for tree pruning and maintenance.
- **Principles of Conserving Green Infrastructure:** Students will demonstrate an understanding of the basic principles of land use planning and regulatory policy as tools to conserve green infrastructure and other natural resources.

Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

University Park

William Elmendorf

Ibberson Chair in Urban and Community Forestry
Extension Specialist, Community and Urban Forestry
334 Forest Resources Building
University Park, PA 16802
814-777-0042
wfe1@psu.edu

Career Paths

Students earning the Community Forestry certificate learn a range of skills in arboriculture and community forest management that are highly valued by a wide range of employers. Students with backgrounds in community forestry will find job opportunities in state and federal agencies, municipalities, industry, and nonprofit organizations.

Careers

Forestry, environmental resource management, landscape architecture, plant science, recreation and tourism, wildlife and fisheries science, and other students earning the certificate in Community Forestry are better positioned to find employment with diverse organizations spanning government, industry, and nonprofit sectors. Such organizations may include (but are not limited to): United States Forest Service, United States Environmental Protection Agency, state forestry agencies, university extension, municipal planning and public works departments, landscape architecture firms, landscape contracting firms, commercial arboriculture firms, environmental consulting firms, and environmental non-profits.

Contact

University Park

DEPARTMENT OF ECOSYSTEM SCIENCE AND MANAGEMENT

Undergraduate Programs Office

113 Forest Resources Building

University Park, PA 16802

814-865-4237

<https://ecosystems.psu.edu>