



Bachelor of Science in Natural Resource Sustainability

School of Forestry and Natural Resource, Paul Smith's College

Students graduating with a BS in Natural Resource Sustainability will be able to:

- Articulate an awareness of concepts, issues, and practices related to natural resource sustainability and conservation at individual, family, community, regional, and global levels;
- Utilize their backgrounds in the natural, social, and management sciences to objectively assess and respond to issues related to the political, economic, and social pressures placed on communities in the context of the management and disposition of natural resources;
- Integrate the political, social, economic, technological, and ecological dimensions of conservation and resource sustainability to make appropriate decisions;
- Translate the technical and scientific foundations of sustainability to constituencies and to the public;
- Develop and apply practical knowledge, skills and tools to solve problems related to resource sustainability; and
- Manage institutions (e.g., grass roots movements, businesses, educational institutions, agencies, governmental and non-governmental organizations, communities) related to aspects of sustainability, including: green building, recycling and waste reduction, alternative energy and energy efficiency, local and sustainable agriculture and forestry

New courses in Natural Resource Sustainability include:

Ecological foundations of sustainability

Explores the ecological underpinnings of natural resource sustainability and the ecological theories and models that (1) help us to understand human impacts on the environment, (2) provide us with a basis for ecosystem and natural resource management and (3) guide us toward sustainable management of natural resources.

Sustainable community agriculture

Principles and practices related to sustainable agriculture, including: agroforestry; local agriculture; community gardens and community forestry; small-scale farming and forestry; organic farming and forestry; non-industrial private and farm woodlot management; and agricultural and forest landowner cooperatives.

Sustainable studies field experience

The Adirondacks and the Champlain, Hudson, and St. Lawrence Valleys form the backdrop for field experiences related to sustainable agriculture and forestry practices, including: organic farming and forestry; non-timber forest products; small-scale farming and forestry practices; community forestry; and agroforestry.

Conservation design: Green communities

Principles and practices related to community greenscaping, including: greenspace planning; town forest development and management; ecological restoration; population growth management; and community strategies for carbon neutrality.

Conservation design: Green construction

Principles and practices of sustainable construction, including: design and construction; siting; renewable and certified materials; and permeable paving.

Alternative energy and energy efficiency

Explores the political, social, environmental, and economic dimensions of alternative energy and energy efficiency.

**For information, please contact: Dr. Andy Egan,
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