

NATURAL RESOURCES AND ENVIRONMENT

Our Website (<http://www.cnre.vt.edu>)

Overview

The College of Natural Resources and Environment (<https://cnre.vt.edu/>), through offerings in the Departments of Fish and Wildlife Conservation, Forest Resources and Environmental Conservation, Geography, and Sustainable Biomaterials, provides an integrated education in renewable natural resource management, conservation, and utilization, as well as a valuable perspective for understanding and solving critical contemporary environmental problems at local, regional, and global scales.

All undergraduate programs in the College of Natural Resources and Environment are designed to provide a professional education and experiential learning that starts with core courses emphasizing physical, biological, and social sciences, along with concepts of renewable natural resource management and sustainability. More advanced courses teach the principles and practices of individual disciplines, along with advanced skills in: communications; data collection, analysis and interpretation; and computer modeling. Students prepare for professional careers with public agencies responsible for predicting the weather and managing forests, water resources, fish and wildlife populations, and recreational resources; with private firms concerned with producing, manufacturing, and marketing packaging and wood products; with planning agencies and private firms that conduct environmental, geospatial, and land-use analyses; or for graduate studies.

Students may develop additional depth of knowledge and specialized skills through completion of options within a major and completion of a minor. Majors offered within the college and options for further specialization are provided below:

Department of Fish and Wildlife Conservation

- Fish Conservation with options:
 - Freshwater Fisheries Conservation
 - Human Dimensions
 - Marine Fisheries Conservation
- Wildlife Conservation with options:
 - No option
 - Human Dimensions

Department of Forest Resources and Environmental Conservation

- Environmental Conservation and Society
- Environmental Data Science
- Environmental Resources Management
- Forestry
- Water: Resources, Policy, and Management

Department of Geography

- Geography
- Meteorology

Department of Sustainable Biomaterials

- Packaging Systems and Design
- Sustainable Biomaterials

The college offers minors (<https://cnre.vt.edu/academics/degrees-majors/minors.html>) in Forestry, Geographic Information Science, Geography, Meteorology, Natural Resource Recreation, Packaging Systems and Design, Sustainable Biomaterials, Urban and Community Forestry, Watershed Management, and Wildland Fire Ecology. The college offers Pathways minors in Biodiversity Conservation, Blue Planet, Climate and Society, Ecological Cities, and Pathways to Sustainability. Contact the respective departments for more information on minors.

Accreditation

The educational programs in Forestry qualify graduates as professional foresters and are accredited by the Society of American Foresters, the recognized accrediting body. Graduates in Fish and Wildlife Conservation meet certification requirements of the American Fisheries Society and The Wildlife Society, respectively. The Sustainable Biomaterials major is accredited by the Society of Wood Science and Technology, the recognized accrediting body. The degree in Meteorology was developed from guidelines recommended by the American Meteorological Society and the National Weather Service; the degree meets requirements of the federal civil service (GS-1340) for a meteorologist.

Honors College

The University Honors Program is available to students in the College of Natural Resources and Environment. The program provides enriched opportunities for highly qualified and motivated undergraduate students.

Cooperative Education

The college encourages students to become involved in the undergraduate Cooperative Education Program, in which students alternate on-campus academic terms with off-campus employment in their areas of interest.

Study Abroad and Exchange Programs

The College of Natural Resources and Environment offers numerous opportunities to study abroad and earn credits toward degree completion in locations such as Antarctica, Australia, Botswana, Galápagos Islands, Ireland, New Zealand, Panama, and other locations throughout the world. The college participates in reciprocal exchange programs with the University of Canterbury in Christchurch, New Zealand. Where appropriate, students can also participate in the International Student Exchange Program.

Graduate Programs

The college offers educational programs leading to professional and research-based Master's and doctoral degrees. Complete information on these programs is in the Graduate Catalog.

- Environmental Conservation & Society Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/forest-resources-environmental-conservation/environmental-conservation-society-bs/>)
- Environmental Data Science Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/forest-resources-environmental-conservation/environmental-data-science-bs/>)
- Environmental Resources Management Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/forest-resources-environmental-conservation/environmental-resources-management-bs/>)

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- Fish Conservation Major with Freshwater Fisheries Conservation Option (<https://catalog.vt.edu/undergraduate/natural-resources-environment/fish-wildlife-conservation/fish-conservation-bs-freshwater-fisheries-conservation/>)
- Fish Conservation Major with Human Dimensions Option (<https://catalog.vt.edu/undergraduate/natural-resources-environment/fish-wildlife-conservation/fish-conservation-bs-human-dimensions/>)
- Fish Conservation Major with Marine Fisheries Conservation Option (<https://catalog.vt.edu/undergraduate/natural-resources-environment/fish-wildlife-conservation/fish-conservation-bs-marine-fisheries-conservation/>)
- Forestry Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/forest-resources-environmental-conservation/forestry-bs/>)
- Geography Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/geography/geography-ba/>)
- Meteorology Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/geography/meteorology-bs/>)
- Packaging Systems and Design Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/sustainable-biomaterials/packaging-systems-design-bs/>)
- Sustainable Biomaterials Science Major Option (<https://catalog.vt.edu/undergraduate/natural-resources-environment/sustainable-biomaterials/sustainable-biomaterials-science-option/>)
- Sustainable Residential Structures Major Option (<https://catalog.vt.edu/undergraduate/natural-resources-environment/sustainable-biomaterials/sustainable-residential-structures-option/>)
- Sustainable Systems Science Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/sustainable-biomaterials/sustainable-systems-science-major/>)
- Water: Resources, Policy, and Management Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/forest-resources-environmental-conservation/water-resources-policy-management-bs/>)
- Wildlife Conservation Major (<https://catalog.vt.edu/undergraduate/natural-resources-environment/fish-wildlife-conservation/wildlife-conservation-bs/>)
- Wildlife Conservation Major with Human Dimensions Option (<https://catalog.vt.edu/undergraduate/natural-resources-environment/fish-wildlife-conservation/wildlife-conservation-bs-human-dimensions/>)

Dean: Paul M. Winistorfer

Associate Dean: Keith W. Goyne

Associate Dean for Extension, Outreach, and Engagement: Brian Bond

Assistant Dean of Advancement: Andrew Ickes

Assistant Dean of Business, Finance, and Administration: Candice Albert

Director of Academic Advising: Stephanie Hart

Director of Employer Relations: John Freeborn

Director of Recruitment: John Gray Williams