

HDNRE Philosophy

HDNRE's philosophical foundation is built on the belief solutions to natural resource and environment related problems and issues require the integration of biophysical, sociodemographic, sociocultural, and historical dimensions. Accomplishing this goal requires the integration of multiple disciplines. HDNRE program faculty are drawn from colleges across the university, bringing disciplinary expertise in research, teaching, and service to the program. With a fully engaged, committed, and integrated faculty, an environment conducive to the creation of innovative solutions to vexing issues emerges.

Successful HDNRE are capable of working in an interdisciplinary environment. They will draw on materials from the biophysical, sociocultural, and sociodemographic arenas in an integrated, collaborative framework. Further, they will have developed the ability to communicate effectively with stakeholders affected by natural resource and environmental change issues and have the ability to interact with a broad array of stakeholders in public settings.



Biofuel Plant, Clearfield County, PA

Dual-Title Degrees

To pursue a dual-title intercollege degree at Penn State, the student must first apply to and be admitted through one of the existing graduate degree programs offering the dual-title degree. The following graduate programs offer dual-title degrees in HDNRE:

- **Anthropology**
M.A. and Ph.D.
- **Architecture**
M.S. and Ph.D.
- **Energy and Mineral Engineering**
M.S. and Ph.D.
- **Forest Resources**
M.S. and Ph.D.
- **Geography**
M.S. and Ph.D.
- **Landscape Architecture**
M.S.
- **Recreation, Park, and Tourism Management**
M.S. and Ph.D.
- **Rural Sociology**
M.S. and Ph.D.

Requirements for admittance into these programs varies. Please contact the department of interest for more information. Requirements for admission into the HDNRE program include:

1. A minimum baccalaureate Jr./Sr. grade point average of 3.0 out of a 4.0 scale.
2. A statement of professional goals, natural resource management philosophy, and reasons for applying to the program.
3. Three letters of reference from individuals capable of evaluating the applicant's potential for graduate work in interdisciplinary natural resource management.
4. TOEFL or IELTS scores are required of all students for whom English is a second language.

For more information, please contact:

Human Dimensions of Natural Resources and the Environment
Department of Recreation Park and Tourism Management
801 Donald H. Ford Building
University Park, PA 16802-5600
ph: 814-863-8986/814-863-6599
fax: 814-867-1751
Email: mvs5@psu.edu
Website: <http://agsci.psu.edu/hdnre>

Human Dimensions of Natural Resources and the Environment

Intercollege Dual-Title Program

College of Agricultural Sciences
College of Arts and Architecture
College of Earth and Mineral
Sciences
College of Health and Human Development
College of the Liberal Arts





Windfarm, Somerset County, PA

Human Dimensions of Natural Resources and the Environment

The Human Dimensions of Natural Resources and the Environment (HDNRE) Program at Penn State is an innovative graduate educational opportunity. This interdisciplinary dual-title intercollege graduate degree program exposes students to a broad base of state-of-the-art methodologies, theories, and technologies for addressing contemporary resource and societal issues, including, but not limited to global climate change; sustainable energy, food, and fiber supplies; threats to biodiversity; habitat modification and fragmentation; water quality and quantity; genetic modification; and sustainable design.

The HDNRE Program

This dual-title intercollege degree program is offered through graduate major programs in five colleges: Agricultural Sciences, Arts and Architecture, Earth and Mineral Sciences, Health and Human Development, and the Liberal Arts. HDNRE enables students to attain and be identified with the content, techniques, applications, methods, and policy implications of an inter-disciplinary focus on Human Dimensions of Natural Resources and the Environment, while maintaining a close association with areas of application.

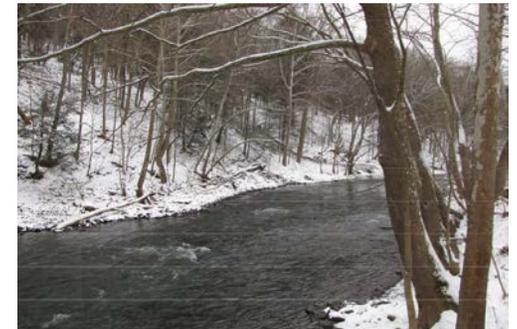
Research and Education

Through participation in HDNRE, student programs of study and research will emphasize integrated, multi-, and transdisciplinary approaches designed for improving their understanding about and management of natural resources. Areas of study will reflect the faculty advisor's home department and disciplinary thrust. Final course selection is determined by the student and her/his respective graduate committee. The culminating experience (e.g., dissertation, thesis, scholarly paper, project) must incorporate a topic related to HDNRE together with the primary field of study.

HDNRE Faculty

HDNRE Faculty are drawn from a variety of disciplines, each representing a facet of the sociocultural, sociodemographic, biophysical, and historic dimensions of modern, complex natural resource and environmental problems. Areas of expertise include:

- Anthropology
- Architecture
- Ecology
- Economics
- Forestry
- Fuel Science
- Geography
- Geosciences
- Landscape Architecture
- Law
- Leisure Studies
- Rural, Natural Resource, and Environmental Sociology
- Soil Science
- Wildlife and Fishery Sciences



Frankstown Branch Juniata River
Huntingdon County, PA