

Department of Land Resources

The Glenville State College Department of Land Resources offers academic programs that employ hands-on learning with experiences that duplicate real-world applications. These programs include:

Bachelor of Science in Natural Resource Management Majors

FOREST TECHNOLOGY

Also offered as a 2-year Associate of Science degree
Designed for students who wish to become knowledgeable and skilled in tree and wood identification, forest measurements, mapping, forest ecology, silviculture, timber harvesting, forest health, and forest management. Job opportunities include: **conservation officer, forester, geographic information system analyst, procurement forester, and forest technician.**

LAND SURVEYING

Also offered as a 2-year Associate of Science degree
Designed for students who wish to become technically proficient in land surveying and develop strong skills in geographic information systems and resource allocation. Job opportunities include: **land survey technician, construction survey technician, oil & gas survey technician, geographic information system manager/draftsman, and professional land surveyor/manager/supervisor.**

ENVIRONMENTAL SCIENCE

Designed for students interested in environmental regulatory careers with government agencies and business consulting firms. Job opportunities include: **environmental scientist, health and safety specialist, park ranger/conservation officer, soil conservationist, analytical technician, wetland ecologist, and environmental resource specialist.**

ENERGY AND LAND MANAGEMENT

Designed for students interested in working in energy and land use development, management, and planning. Job opportunities include: **landman, realty specialist, right-of-way agent, and title abstractor.**

WILDLIFE MANAGEMENT

Designed for students who want to pursue a career in wildlife management or an advanced degree in wildlife. Students learn about the biology, ecology, and management of important game and non-game wildlife in the Appalachian region. Job opportunities include: **wildlife manager, wildlife technician, and natural resources police officer.**

CRIMINAL JUSTICE

Designed for students interested in crime scene management and criminal evidence and procedures, police practices, corrections, and public administration within the natural resources field. Job opportunities include: **conservation officers or other related law enforcement personnel.**

Minors:

ENVIRONMENTAL SCIENCE	19 - 20 CREDITS
NATURAL RESOURCE MANAGEMENT	19 CREDITS

Certificate Programs:

GEOGRAPHIC INFORMATION SYSTEM (GIS) 12 CREDITS - ONLINE

Students are prepared for work in the GIS industry with a focus on mapping, visualization, and the processing and analysis of geospatial data. Courses include GIS Applications I and II (using ArcGIS), Computer-Assisted Mapping (using Carlson Survey), Remote Sensing and Aerial Photo Interpretation, and Introduction to Drone Technology.

CERTIFICATE IN RIGHT-OF-WAY 26 CREDITS - IN-PERSON AND ONLINE

Students are prepared for work in the landman profession with a primary focus on property descriptions and interpretation, title abstracting, boundary surveying methods and laws, energy resource laws, elementary surveying measurements and computations, business communication, and professional development. Students will also become familiar with both computer mapping systems utilizing cartographic (Carlson Survey) and geographic information system (ArcGIS) software.

