



UNIVERSITY  
OF WYOMING

School of  
Energy Resources

## ENERGY RESOURCE MANAGEMENT AND DEVELOPMENT *BACHELOR OF SCIENCE*

Future industry leaders must be able to understand and draw on the technical expertise of engineers and other energy scientists. But, they must also be able to understand the business, legal, social, and public policy implications of a given project. They act as the hub of the wheel, creating comprehensive solutions to complex issues.

The Energy Resource Management and Development Bachelor of Science program provides the foundation of knowledge required to assess, develop, and manage energy projects. Students have multiple opportunities for industry interactions, internships, cutting-edge research and global experiences.

## ENERGY LAND AND WATER *CONCENTRATION*

Energy production is dependent upon the sustained stewardship of air, land, and water resources. Environmental scientists, consultants, and reclamation planners use their knowledge of our natural resources to protect the environment during energy development.

Most of the work that environmental scientists do involves collecting and sampling data from air, soil, water, and other materials. The data collected is used for environmental impact studies and surveys. These samples help to identify and assess threats to the environment, develop plans to prevent or fix problems such as pollution, and provide guidance about possible hazards and health risks. This ensures quality regulation and management of our natural resources.

### JOB *OPPORTUNITIES*

- Biological Field Technician
- EHS&R Field Technician
- Environmental Compliance Coordinator
- Environmental Engineer
- Environmental Health & Safety Analyst
- Environmental Technician
- Foreman
- Laboratory Technician
- Natural Resource Analyst
- Regulatory Analyst
- Soil Conservation
- Water/Range Technician

# PROFESSIONAL LAND MANAGEMENT *CONCENTRATION*

Energy development requires people who understand the business and legal challenges facing a project. This is where a landman or land specialist is important. Landmen have the opportunity to build trusting relationships between land owners and energy companies while working to find mutually beneficial solutions to energy exploration and production.

## WHAT IS A LANDMAN?

- Determines ownership and title of surface and subsurface rights
- Negotiates leases with land and mineral owners
- Coordinates field exploration activities connecting the lease owners and the exploration or production company
- Ensures compliance with governmental regulations and collaborates with stakeholders

## JOB *OPPORTUNITIES*

- Contract or Independent Landman
- Division Order Analyst
- Land Management Specialist
- Land Representative
- Land Technician
- Landman
- Lease Buyer
- Surface Land Negotiator
- Surface Landman
- Transmission Siting Permitting & Environmental Planner

## *SCHOLARSHIPS*

The Nielson Energy Scholarships are designed to recruit and retain highly talented students planning a career in the energy sector. These awards are possible through a generous donation by the Nielson family of Cody, Wyoming.

Students need to apply for admission to the University of Wyoming to be considered for the Nielson Energy Scholarships and with a declared major in Energy Resource Management and Development.

**Visit our website for more information:**  
[uwyo.edu/ser/academic-programs/scholarships](http://uwyo.edu/ser/academic-programs/scholarships)



## ENERGY SUMMER *INSTITUTE*

The Energy Summer Institute (ESI) provides high school students with a well-balanced university experience. ESI is a one week summer camp, typically held in July, designed

to ignite your imagination and focus your interest on the exciting world of energy-including careers! Applications open in late fall for current 10th and 11th grade high school students. Scholarships available. Get the details for ESI at [uwyo.edu/ser](http://uwyo.edu/ser) and click on Energy Summer Institute.



School of  
Energy Resources

1000 East University Avenue  
Laramie, Wyoming 82071

Phone: 307-766-6879

**Schedule a visit today:** [uwyo.edu/ser](http://uwyo.edu/ser)



Facebook - [uwenergy](https://www.facebook.com/uwenergy)



Instagram - [uwschoolofenergyresources](https://www.instagram.com/uwschoolofenergyresources)



Twitter - [energyuw](https://twitter.com/energyuw)

*#UWYOENERGY*