

Looking for the next step to amplify your graduate degree? Explore these opportunities to gain practical experience and kick-start your energy career.

The Office of Energy Efficiency and Renewable Energy (EERE) at the U.S. Department of Energy (DOE) has a number of resources available for graduate students, including research positions, internships, and career-planning information to help you navigate the education-to-employment pathway in energy. The following is a partial list of the graduate activities and programs that are offered. For a complete listing, visit our Energy Education and Workforce Development website: energy.gov/education



Get hands-on experience working at an Industrial Assessment Center.
Photo: Courtesy of NREL/16192.

Industrial Assessment Centers

Graduate students with engineering backgrounds can receive hands-on training and real-world experience by participating in DOE's Industrial Assessment Centers. Teams located at 24 universities around the country conduct cost-free energy assessments of small- and medium-sized manufacturers to identify opportunities to reduce waste, improve productivity, and save energy. energy.gov/eere/amo/industrial-assessment-centers-iacs

SunShot GEARED Program

The SunShot Grid Engineering for Accelerated Renewable Energy Deployment (GEARED) program supports increased power system research and development, while simultaneously growing the expertise of electric utility sector professionals. The GEARED program has two focuses: training consortia that focus on quickly bringing its findings into training and educational initiatives and linking these consortia to one another through a national coordination network. Get involved by becoming a SunShot Fellow. gearedusa.org

EcoCAR 3 Challenge

This 4-year competition (2014-2018) challenges students to redesign a Chevrolet Camaro into a hybrid-electric car that will reduce environmental impact while maintaining the muscle and performance expected from this iconic American car.

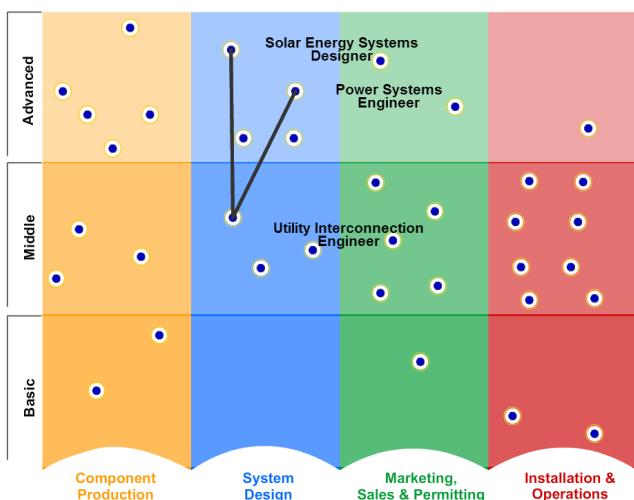
ecocar3.org

Career Planning

Clean Energy Career Planning

A clean energy career can be any occupation that is affected by activities such as conserving energy, developing alternative energy, reducing pollution, or recycling. Visit EERE's clean energy jobs and career planning web pages to explore career tracks in the various clean energy fields, such as geothermal, wind, water, solar, vehicles, bioenergy, advanced manufacturing, and weatherization.

energy.gov/eere/education/clean-energy-jobs-and-career-planning



Explore potential career paths using the interactive Solar Career Map.
Photo: Courtesy of energy.gov.

Research & Fellowships

ORISE Graduate Student Research

The Oak Ridge Institute for Science and Education (ORISE) offers summer internships and scholarship programs for graduate students who are currently pursuing an advanced degree in science or engineering. These are offered at several locations across the United States, spanning a variety of topic areas including biofuels, solar energy technologies, and geothermal power.

orise.orau.gov/science-education/internships-scholarships-fellowships/graduates.aspx

EERE Postdoctoral Research Award

The objective of the EERE Postdoctoral Research Awards is to create the next generation of scientific leaders in energy efficiency and renewable energy. To meet this objective, EERE research participants will have access to unique education and training opportunities, top scientists in their field, and state-of-the-art projects and equipment to develop innovative technologies.

eere.energy.gov/education/postdoctoral

National Renewable Energy Laboratory Postdoctoral Researchers

Qualified postdoctoral researchers have the opportunity to participate in the laboratory's research and development programs, initiate new areas of research, and establish a base for ongoing collaborations through NREL's Research Participant Program. Individuals with new ideas and talents can become a part of research of mutual interest in NREL's research and deployment disciplines, while also contributing to the transfer of the technology resulting from that research.

nrel.gov/careers/post-docs.html

ARPA-E Fellows Program

Participants in DOE's Advanced Research Projects Agency—Energy (ARPA-E) Fellows Program will assist the agency in identifying possible breakthrough energy technologies and their transformative impacts. During their two-year tenure, Fellows undergo a full-immersion experience in energy technology development, working with entrepreneurs and researchers in academia and industry to positively impact the future of energy.

arpa-e.energy.gov



Contribute to technology research and development programs at national laboratories. Photo: Courtesy of NREL/29650.

AAAS Science & Technology Fellowships

The American Association for the Advancement of Science (AAAS) Science & Technology Policy Fellowships are opportunities for professional development and public service. Operated by AAAS' mandate to "advance science and serve society," the aim is to foster scientifically informed, evidence-based policy and practice by involving scientists and engineers from a broad range of disciplines, backgrounds, and career stages. Learn more about the AAAS Fellowship here:

energy.gov/eere/education/aaas-science-technology-policy-fellowships-eere

Initiatives for Educators

Energy Literacy

The Energy Literacy Framework (available for download online) identifies seven essential principles and a set of fundamental concepts that, if understood and applied, will help individuals and communities make informed energy decisions. energy.gov/energyliteracy

Energy 101

The Energy 101 initiative supports energy education in the post-secondary setting to increase students' opportunities to enter the energy workforce. Find the downloadable course framework and webinar series online. energy.gov/eere/energy101



Energy Efficiency &
Renewable Energy

For more information, visit: energy.gov/education

Find resources in Spanish at: energy.gov/eere/energia