U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

EERE RESOURCES FOR GRADUATE STUDENTS

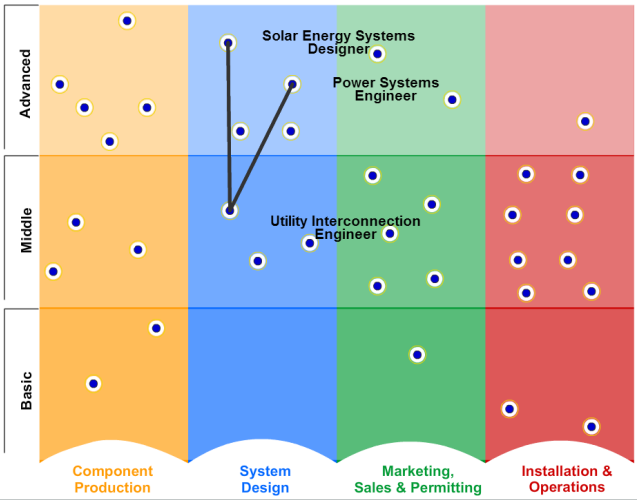
Looking for the next step to amplify your graduate degree? Explore these opportunities to gain practical experience and kick-start your energy career.

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/eere/education***

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.

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.
eere.energy.gov/solar/sunshot/geared.html

EcoCAR2 Challenge

This 3-year competition challenges students to re-engineer a crossover vehicle to reduce fuel consumption and lower emissions by using advanced vehicle technologies, such as plug-in hybrid technology and diesel technology. (Note: This challenge is already underway; check out the teams' progress at the link below.)
ecocar2.org

Research

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

EERE research positions and fellowships provide recipients with hands-on experiences at universities, national laboratories, and other research facilities.

National Renewable Energy Laboratory (NREL) 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/rpp/postdocs.html

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

Fellowships

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

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

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For more information, visit:
energy.gov/eere/education

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