



Minority Educational Institution Student Partnership Program (MEISPP)

MEISPP offers undergraduate and graduate students summer internship positions with the DOE and its national laboratories. Positions involve scientific research or a focus on policy, business and government relations. Students receive an assignment to develop their potential for future opportunities with the federal government. doemeispp.org

Clean Cities University Workforce Development Program

Clean Cities offers internships uniting Clean Cities coalitions across the country with students interested in changing the future of on-road transportation. Internships are available throughout the year for undergraduate or graduate students. cleancities.energy.gov/working-with-us

Science Undergraduate Laboratory Internships (SULI) Program

Are you interested in a Science, Technology, Engineering, and Mathematics career? The Office of Science offers research experiences for undergraduate students at the DOE National Laboratories. Interns in the SULI Program will perform research under the guidance of laboratory staff scientists or engineers, assisting on projects related to ongoing programs. There are internship openings at most of the U.S. national laboratories. science.energy.gov/wdts/suli

Industrial Assessment Centers

Engineering students can receive hands-on training and real-world experience in energy engineering and management 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

Educator Initiatives

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 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

Sign up for the education newsletter at:
www.energy.gov/stemsparknews

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Energy Efficiency & Renewable Energy



EERE RESOURCES FOR UNDERGRADUATE STUDENTS

Looking to expand your experience outside of the classroom?

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

Competitions

Race to Zero

The Race to Zero Student Design Competition inspires collegiate students to become the next generation of building science professionals through a design challenge for zero energy ready homes. The competition is based upon a real-world scenario where a builder is developing or updating an existing house plan to a high-performance house design. College teams are asked to either create a new house design that satisfies the project requirements or redesign an existing floor plan. energy.gov/eere/buildings/us-department-energy-race-zero-student-design-competition

Cleantech University Prize

The Cleantech University Prize (Cleantech UP) aims to inspire the next generation of clean energy entrepreneurs and innovators by providing them with competitive funding for business development, commercialization training and other education opportunities. Collegiate competition winners are eligible to compete in the national competition and receive \$100,000. energy.gov/eere/technology-to-market/cleantech-university-prize



Collegiate Wind Competition

The Collegiate Wind Competition challenges undergraduate students to design a wind turbine based on market research, develop a business plan to market the product, build and test the turbine against set requirements, and demonstrate knowledge of siting constraints and location challenges for product installation. energy.gov/eere/collegiatewindcompetition

Geothermal Design Challenge

The Geothermal Design Challenge asks university students to design an infographic that illustrates the value and potential of geothermal energy as a clean, safe, and reliable source of renewable energy. The challenge was launched in the Spring of 2016 in partnership with the Department of Energy's Geothermal Technologies Office, Center for Advanced Energy Studies (CAES) and Idaho National Laboratory (INL). caesenergy.org/geothermaldesign

EcoCAR 3 Challenge

This 4-year competition (2014-2018) challenges students to redesign a Chevrolet Camaro to reduce its environmental impact while maintaining the muscle and performance expected from this iconic American car. Teams are tasked to incorporate alternative fuels and advanced vehicle technologies that will lower greenhouse gas and tailpipe emissions. ecocar3.org

Solar Decathlon

The Solar Decathlon challenges collegiate teams to design and build full-size, solar-powered homes that push the limits of innovation in a series of 10 contests. The winner of the competition is the team that blends technology, market potential, and design excellence with smart energy production and maximum efficiency. Competition encourages cutting-edge prototypes and solutions to address water conservation, usage and reuse. solardecathlon.gov



Internships

EERE Student Internships

EERE offers exciting student volunteer internships throughout the year in its Washington, DC, headquarters. These volunteer internships provide students with the opportunity to learn through direct experience about the field of energy efficiency and renewable energy. energy.gov/eere/education/clean-energy-jobs-and-career-planning

Student Volunteer Internship Program

The Student Volunteer Internship Program (SVIP) offers volunteer internship opportunities throughout the year at Department of Energy (DOE) headquarters in Washington, DC and the Golden Field Office (GFO) and the National Renewable Energy Laboratory (NREL) in Golden, CO. Assignments may include: assisting with research projects, working on cutting-edge research at NREL, analyzing data. energy.gov/eere/about-us/eere-student-volunteer-internship-program-svip