

Opportunity Title: 2025 DOE Scholars - Summer Internships - ARPA-E

Technology-to-Market

Opportunity Reference Code: DOE-Scholars-2025-ARPA-E

Organization U.S. Department of Energy (DOE)

Reference Code DOE-Scholars-2025-ARPA-E

How to Apply Click on *Apply* below to start your application.

Application Deadline 1/6/2025 8:00:00 AM Eastern Time Zone

Description “If it works, will it matter?”

This is the question behind all the U.S. Department of Energy (DOE) Advanced Research Projects Agency–Energy (ARPA-E) programs. **Apply now to help find the answer.**

ARPA-E recruits summer scholars who have a unique combination of technical and business skills to assist in defining commercialization pathways for high-impact technology development programs. This internship opportunity offers experience in advancing the transition of cutting-edge energy technologies to market applications in a fast-paced environment.

ARPA-E’s Summer Scholars Program is designed to prepare ARPA-E funded technologies to achieve maximum impact and return on investment for ARPA-E project teams, stakeholders, and our Nation’s taxpayers. This internship provides a unique opportunity to be mentored by and interface with the ARPA-E Technology-to-Market team, the ARPA-E Program Directors, and ARPA-E Fellows.

We are seeking graduate students and recent graduates interested in:

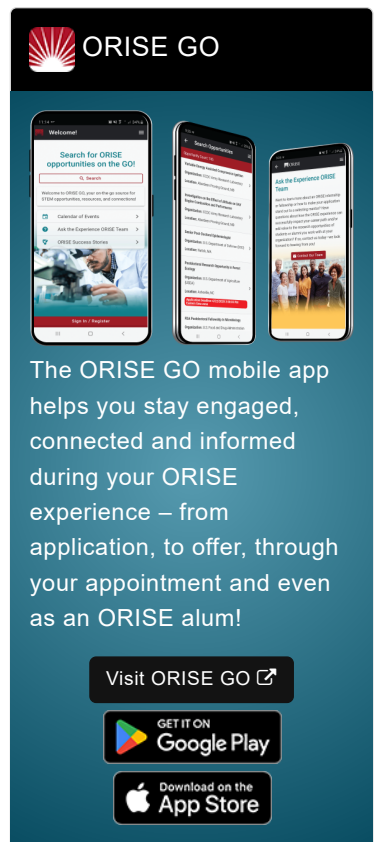
- Researching market trends, cross-industry collaboration opportunities, and go-to-market strategies
- Assisting in developing techno-economic analysis
- Performing stakeholder analysis to identify technology adopters and laggards
- Ecosystem mapping of key and relevant sectors within ARPA-E’s whitespaces
- Identify and design frameworks and quantify associated metrics to support program development and performers success.

Planned Projects:

- Development of ARPA-E Projects to Support Sustainable Maritime Grand Challenge
- Geologic Hydrogen US Supply and Demand Analysis
- Evaluate and Map Landscape of Data Center Power Demand
- Assess Climate Impacts of ARPA-E Program Sectors
- Investment Capital Analysis: Fusion Focus
- T2M Commercialization Efforts and Measured Impact
- Commercialization Pathways and Measures for ARPA-E Performers
- Mapping Market Gaps within the Energy Sector
- Commercialization Support for ARPA-E Program Grads
- Mapping the Climate Tech Ecosystem



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- General - Support an Emerging Topic to Be Defined

The Advanced Research Projects Agency-Energy (ARPA-E) is an agency within the U.S. Department of Energy that funds creative, out-of-the-box, transformational energy technologies that are too early stage for private investment. ARPA-E programs provide top energy researchers with funding, technical assistance, and tech-to-market guidance to radically improve U.S. energy security, energy efficiency, and environmental well-being. For more information about ARPA-E visit <https://arpa-e.energy.gov/>.

Stipends

The DOE Scholars Program provides stipends starting at \$1,000 per week for graduate students and recent graduates. In addition, ARPA-E will provide up to \$400 per week to cover housing expenses.

Location

Appointments will be served at Washington, DC.

Travel

Travel reimbursement of inbound and outbound costs up to \$1,000 for participants who relocate more than fifty miles, one-way, from the assigned internship location.

Length of Appointment

Appointments duration typically ranges from 8-12 weeks, but other appointments periods may be possible.

A complete application consists of:

- Profile Information
- Essay Questions (goals, experiences, and skills relevant to the DOE Scholars Program)
- Resume (PDF)
- Transcripts/Academic Records - Unofficial transcripts or copies of the student academic records printed by the applicant or by academic advisors from internal institutional systems may be submitted. Transcripts/Academic Records must include name of the academic institution, name of the student, completed/in progress coursework and grades through summer 2024. Documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blacked out, blackened out, made illegible, etc.) prior to uploading into the application system.
- Academic/Professional Recommendation - recommendations should address your academic record and potential for success in an appointment, such as demonstrated intellectual merit, communication and teamwork skills. **Recommendations must be submitted via Zintellect by January 13, 2025, 8:00 A.M. Eastern Time Zone.**

All documents must be submitted via Zintellect. All application components **must** be received in the system in order to be considered.

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Additional Information

For more information on the DOE Scholars Program, visit <https://orise.orau.gov/doescholars> or contact us at doescholars@orise.orau.gov.

The DOE Scholars Program offers multiple opportunities during the year to accommodate the needs and schedule of individual sponsoring offices. Opportunities may have different eligibility requirements, benefits and deadlines. To be considered you must apply to each opportunity individually.

Nature of Appointment

The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOE, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

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Qualifications **Qualifications**

This opportunity is open to graduate students and recent graduates who meet the following qualifications:

- Be a U.S. Citizen at the time of application.
- Be 18 years of age or older at the time of application.
- Have a completed a bachelor's degree in a relevant field (e.g. electrical engineering, physics, material science, agriculture, economics, computer science, etc.) or be in the midst of completing a graduate level degree, preferably M.S. or MBA or in the process of completing a PhD.

The ideal candidate will have relevant knowledge, experience and skills to include:

- Experience with techno-economic and/or lifecycle analysis
- Knowledge of energy market concepts and operations
- Experience in data mining, statistics and visualization (preferred)
- Strong written and oral communication abilities
- Strong analytical skills

Applicants should be prepared for deep immersion into the project and must be comfortable completing tasks independently.

- | | |
|---------------------------------|---|
| Eligibility Requirements | <ul style="list-style-type: none">• Citizenship: U.S. Citizen Only• Degree: Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.• Discipline(s): |
|---------------------------------|---|

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- **Business** ([10](#))
- **Chemistry and Materials Sciences** ([12](#))
- **Computer, Information, and Data Sciences** ([17](#))
- **Earth and Geosciences** ([21](#))
- **Engineering** ([27](#))
- **Environmental and Marine Sciences** ([14](#))
- **Life Health and Medical Sciences** ([45](#))
- **Mathematics and Statistics** ([10](#))
- **Physics** ([16](#))
- **Age:** Must be 18 years of age