

# Molecular Engineering Materials Center (MEM-C) Summer REU Program

MEM-C aims to accelerate the development of future energy conversion, information processing, and sensing technologies through design, discovery, processing, and application of complex electronic and photonic materials.

The Summer REU program is focused on providing STEM students with opportunities to gain exposure, experience and insight related to viable and relevant career pathways focused on materials and energy research.

*The program especially welcomes veterans, military members, underrepresented students, students coming from underresourced campuses, and students coming from 2-year colleges.*



**Research Experience for Undergraduates (REU) : June 23- August 22, 2025 in Seattle, WA**

**Who: Students who have Completed their First Year of College**

**What: A 9-week immersive research project in a single research group/lab leading to an abstract and poster.**

Students will:

- Collaborate with a graduate student and faculty member to develop a research project, gain training in relevant techniques and instrumentation, collect data and produce a research abstract and poster.
- Build community with other Summer REU participants and members of the MEM-C community.
- Participate in a weekly seminar on undergraduate research covering topics such as: research ethics, evaluating research findings in literature, and developing science communication skills.
- Spend 40 hours per week in their designated research group for 9 weeks and complete an academically appropriate research project designed in conjunction with their faculty member host and graduate student mentor.
- Participate in the end-of-program Research Symposium: preparing an abstract, poster, and presentation summarizing their work.
- Receive a stipend of \$6,365, on-campus housing, and allowances for food and travel to campus.

## PROGRAM GOALS

- Encourage students to pursue STEM careers.
- Provide exposure to research at a hands-on level.
- Improve student knowledge about the nature of research including ambiguity, evolving understanding, and open endedness.
- Develop student skills in: formulating research questions, designing experiments, analyzing data, communicating results, and planning future steps.
- Learn about relevant, state of the art content in future energy conversion, information processing, and sensing technologies through design, discovery, processing, and application of complex electronic and photonic materials.

## IMPORTANT DATES

- Applications open: December 15, 2024
- Application deadline: February 15, 2025
- Apply online at:  
<https://uwmemc.org/undergraduates/reu/>
- Program starts June 22, 2025

