



Molecular Engineering Materials Center (MEM-C) Summer Research Experience for Teachers

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 RET program is focused on supporting middle and high school teachers with the opportunity to conduct materials research and incorporate skills learned into classroom curriculum.

Research Experience for Teachers, June 21- July 29, 2022 For Middle and High School Teachers

A six-week session designed for teachers who want to integrate materials research into their curriculum. This session provides a stipend of \$6,000.

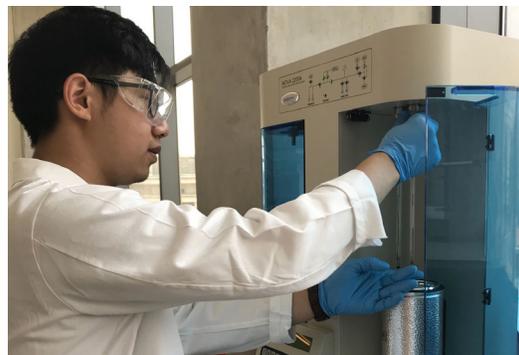
Program Overview

MEM-C will prepare today's science and engineering students to be tomorrow's diverse cadre of technology innovators and leaders in industry, national laboratories, and academia. The summer RET program is focused on exposing middle and high school teachers to research and career pathways focused on materials and energy research. Teachers then work to integrate this experience into curriculum to take back to their classrooms.

MEM-C RET is a multidisciplinary program offering research experiences in a variety of scientific disciplines including chemistry, physics, materials science and engineering, and electrical engineering. Teachers will also participate in University of Washington research seminars, social activities, and field trips that provide them with networking and learning opportunities.

Applications due February 15. Please include:

- A Personal statement of 250 words addressing: How does this fit into your career plans? Why do you believe that you are prepared to be successful? What research focus interests you the most? Please also list 3 possible MEM-C Labs of interest!
- An updated resume with education, training and work experience.
- Two professional references. Provide email contact information for two professional referrals.



PROGRAM GOALS

- Gain hands-on STEM research experience at UW MEM-C's world class facilities.
- Learn contemporary content in future energy conversion, information processing, and sensing technologies through design, discovery, processing, and application of complex electronic and photonic materials.
- Develop materials research curriculum for your students.
- Develop student skills in formulating research questions, designing experiments, analyzing data, communicating results, and planning future steps.
- Learn about contemporary STEM careers.

IMPORTANT DATES

- **Application deadline:** February 15, 2022
- **Apply online at:**
<https://uwmemc.org/education/programs/ret/>
- Program starts June 21, 2022

