



# Columbus State Community College Research Program

at the Ohio State University

Please apply by October 4

[cem.osu.edu](http://cem.osu.edu)

The NSF-funded Columbus State Community College Research Program focuses on:

- Fundamental and applied science of exotic and novel materials
- Next-generation electronics that move toward a new generation of low-power-dissipation high-density electronics.

Projects range from:

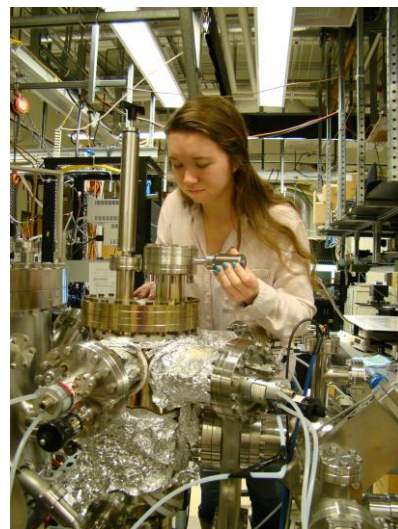
- Injection and detection of spin-polarized electrons in silicon or graphene
- Growth and characterization of complex oxide multilayer structures for possible computer memory applications.

In this research experience students will come to OSU and be paired with a faculty mentor and a graduate student from a core CEM department (Physics, Materials Science & Engineering, Electrical & Computer Engineering, & Chemistry) & will perform experimental research projects aligned with CEM focal areas.

Students will be expected to work at least 8 hours per week during regular class weeks beginning in late fall semester and concluding at the end of the spring semester. A stipend of \$750 for the fall semester and \$1,250 for the spring semester will be provided. Students will also be expected to give a presentation on their research to CEM faculty and graduate students at the end of the spring semester.

## Eligibility Requirements

US citizen or permanent resident enrolled in an undergraduate degree program in physics, materials science, chemistry, electrical/computer engineering or related field. Members of groups underrepresented in engineering or physical sciences are especially encouraged to apply. OSU and the CEM are committed to the full inclusion of individuals with disabilities. The ADA Coordinator's Office is a resource and referral point for disability related information, services and resources. You may view their website at <http://ada.osu.edu> or email them at [ada-osu@osu.edu](mailto:ada-osu@osu.edu), or call 614-292-6207 with any questions.



## Applications

Available online at:

<http://cem.osu.edu/community-college>

Program Contact:

[cscce-research@osu.edu](mailto:cscce-research@osu.edu)