



Summer Research Experience for Undergraduates (REU)

The Center for Emergent Materials: an NSF MRSEC

May 17 – July 25, 2015
The Ohio State University
Columbus OH

Apply by: February 15, 2015
cem.osu.edu/reu

The NSF-funded CEM Research Experience for Undergraduates 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.



Students will participate in professional development activities focusing on preparing for graduate school and research related careers. They will also participate in peer networking and social activities. Successful REU applicants will be paired with a faculty mentor and either a graduate student or post doctoral fellow from a core CEM department (Physics, Materials Science & Engineering, Electrical & Computer Engineering, & Chemistry) and will perform experimental or computational research projects aligned with CEM focal areas.

This 10-WEEK UNDERGRADUATE RESEARCH PROGRAM includes a stipend of \$5000, travel costs, and a dorm room (two per room). Participants have access to OSU library and COTA bus transportation.

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 ada-osu@osu.edu, or call 614-292-6207 with any questions.

QUESTIONS? Contact Michelle McCombs, (mccombs.75@osu.edu or 614-247-8084.)