Summer Research Experience for Undergraduates (REU)
The Center for Emergent Materials: an NSF MRSEC

May 15 - July 23, 2016
The Ohio State University
Columbus, OH
cem.osu.edu/reu
Please apply by February 15, 2015

The NSF-funded CEM Research Experience for Undergraduates program focuses on fundamental and applied science of exotic and novel materials and next-generation electronics that move toward a new generation of low-power-dissipation high-density electronics. Research involves a wide range of projects, from injection and detection of spin-polarized electrons in silicon or graphene to 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.

Eligibility Requirements: US citizen or permanent resident enrolled in an undergraduate degree program in physics, materials science, chemistry, or electrical/computer engineering. Members of groups under-represented 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 ada-osu@osu.edu, or call 614-292-6207 with any questions.

QUESTIONS? Contact Michelle McCombs, (mcombs.75@osu.edu or 614-247-8084.)
191 West Woodruff Ave, Columbus, OH 43210
cem.osu.edu