

Science, Technology, Engineering & Math Internships & REU

Career Development Class Meeting

May 1, 2013

STEM Internships & REU

- STEM Internships
 - Private industry, government agencies
 - Most STEM interns are well paid
- Research Experience for Undergraduates (REU)
 - Research universities host undergraduates in research program
 - Valuable opportunity to determine education/career goals
- Common Requirements
 - Application Form, Recommendations, Transcripts
 - Resumes, Cover Letters, Personal Statement, Essays

STEM Internships

- Why do I want to have a STEM internship?
 - Employers want to hire graduates with hands-on experience
 - Employers pay higher salaries to graduates with experience
- Where do I find engineering internships?
 - [SEM Internships Web Site](#)
 - [MC Student Employment Services – eJobs](#)
 - [Turing Fellows Program for CS and Engineering Interns](#)
 - [Graduating Engineer Web Site](#)
 - [MHEC Maryland BRAC Internship Information Center](#)
 - Company web sites

Internship Employers

- Stress Indicators, Inc. [[SmartBolts](#)] – [MC eJobs](#)
 - [Patton Electronics](#) – [MC eJobs](#)
 - [E3M, Inc.](#) – [MC eJobs](#)
 - [Robotic Research, LLC](#) – [MC eJobs](#)
 - [SFC Energy](#)
 - Aeras Global – [MC eJobs](#)
 - SmartSenseCom – [MC eJobs](#)
 - [Quality Biological, Inc.](#)
- See [Montgomery College eJobs](#) and [SEM Internships Web Site](#) for the latest opportunities

STEM REU

- National Science Foundation (NSF)
- Federal Government Agencies
- Undergraduate research at host institution
- Student associated with specific research project
- Work closely with the faculty and other researchers
- Students are granted stipends (\$\$\$\$) + expenses
- Must be citizens or permanent residents of the US
- REU site may be at either a US or foreign location
- **Applications open October 1!!!**

STEM REU

- SEM Internships – REU web pages
 - National Science Foundation
 - The Institute for Broadening Participation (IBP)
- University of Maryland - College Park
- Mid-InfraRed Technologies for Health & the Environment (MIRTHE) REU
- Cornell University
- Georgia Institute of Technology

Summer 2013 REUs

NIST Summer Undergraduate Research Fellowship (SURF)

- 5 MC students selected
- 2 Engineering, 2 Cybersecurity, 1 Biology

National Institutes of Health

- 3 MC students selected
- Biomedical research through the Community College Summer Enrichment Program (CCSEP)

Questions?

Michael Mehalick

Internship Coordinator

- Michael.Mehalick@montgomerycollege.edu
- 240-567-4083
- Science Center SC-238