REU Program Expectations

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Directors of Education and Diversity Program
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Goals of the REU Program

Technical Skills
- Broad EECS knowledge
- Ability to perform research
- Technical reading comprehension

Non-Tech. Skills
- Professional development
- Presentation
- Networking
- Time management
- Communication

Outcomes
- Continued learning
- Graduate school
- Engineering profession

Students involved in power electronics research

A graduate student mentoring an undergraduate researcher

AMS CEO, Dr. Hashemian presenting to undergraduate students
### Events and Activities

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<th>Category</th>
<th>Activities</th>
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| Research Training               | • Matlab, Labview certificate & overview of power systems and power electronics  
                                 | • Center focused research projects                                           |
| Research Presentation           | • Progress report and final presentation                                    |
|                                 | • Poster at the UTK REU Symposium                                           |
| Field Trips & Social Events     | • Power station, wind farm, EPRI & ORNL                                     |
|                                 | • Social events with other REU students                                     |
| Career Awareness                | • Industry and academic career awareness                                    |

*UTK REU Symposium in July 2013*
Program Expectations

1. Be an active learner
   - Self-taught, self-motivated, self-disciplined
   - Mentor’s role is to guide your progress
   - Make progress outside of experimental work

2. Understand the process and pace of engineering research
   - Learn to read and digest academic research
     - http://cseweb.ucsd.edu/~wgg/CSE210/howtoread.html
   - Learn to present your own research
Scheduled Deliverables

• **May 27th**
  o pre-survey

• **July 17th**
  o Final oral presentation
  o One page program assessment

• **July 18th**
  o Poster presentation at UTK STEM Symposium
  o Paper (6-10 pages) in *IEEE* journal format
    ▪ Goal: get it published in UTK *Pursuit* or *IEEE*
  o Post-survey
Program Requirements

• Full-time: 40 hour workweek
  o Additional time may be needed to reach research goals
• Show up daily and sign in
• Attend REU program seminars, events
• E-mail considered official means of communication
CURENT Contacts

- Dr. Chien-fei Chen, Director of Education and Diversity (rm 508)
- Dr. Daniel Costinett, Co-Director of Education and Diversity (rm 502)
- Erin Wills, Education Coordinator (rm 555)
- Adam Hardebeck, Communication (rm 555)
- Bob Martin, Lab Manager (1st floor)
- Chris Anderson, IT Manager (rm 521)
- Judy Evans, Financial Specialist (rm 513)
- Brad Trento, Industry Liaison Officer (rm 515)
- Tom King, Director of Innovation & Industry (rm 516)