Title
CENS Education Overview

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CENS Education Overview

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CENS Education Efforts

Supporting the pipeline to graduate school

CENS Education efforts are designed to:
- Inspire students to develop long-term interest in science and engineering
- Provide students with foundational knowledge of CENS technology
- To increase the diversity of participants pursuing education and careers in science and engineering
- Contribute to the diversity of faculty and students involved in CENS

CENS Education Programs

- Graduate Student Opportunities
- Undergraduate Student Opportunities
- Undergraduate Research Program
- Diversity and Gender Initiatives

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- Graduate Student Opportunities
- Undergraduate Student Opportunities
- Pre-College Science Education
- Undergraduate Research Program
- Diversity and Gender Initiatives

Graduate and Undergraduate Student Programs

- Research Opportunities
- Courses in CS/EE
- Professional Development
- Technical Seminars
- Summer Undergraduate Research Program

Undergraduate Research Program

- Host students from national institutions
- 8-week summer experience, including
  - Lab & Field Research Experience
  - Mentoring and Networking
  - Seminars and Social Events
- Focus on Gender as part of Women@CENS

Diversity and Gender Initiatives

- Women@CENS: A Research System
- STC Joint Recruitment
- Collaboration with other partners
  - Henry Samueli School of Engineering & Applied Science
  - Center for Engineering Excellence and Diversity
  - Science and Technology Centers

Promoting Interest in and Knowledge of ENS Technology

Ethics Program

- Promoting Understanding of Ethics Issues
- Discussing Implications of ENS Technology

Pre-College Science Education

- Curriculum Development
  - Imaging and Acoustic Monitoring
  - Bird Box Activity
  - Acorn Woodpecker Project
- Sensing the Environment Inquiry Modules
- Educational Research
  - CENSEI (CENS Education cyberInfrastructure)
    - Developing a web portal to middle school life science modules in ecology using CENS data

- Evaluation
  - Monitoring diversity statistics
  - Evaluating program effectiveness

CENS Education Websites

- Providing online resources for educators and students
  - www.cens.ucla.edu/Education
  - www.nsfstc.org