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Title
CENS Education Overview

Permalink
https://escholarship.org/uc/item/9s4541mh

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Publication Date
2007-10-10

CENS Education Overview

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CENS Education objectives

- Increase the number and diversity of students pursuing advanced degrees in information technology-related fields
- Increase interest, knowledge (and use) of ENS technology

CENS has developed education programs that…

Build the pipeline to graduate school (and beyond)	Create a community of researchers	Integrate education with research
Diversity		
Evaluation		

Supporting the pipeline to graduate school

Pre-College	Undergraduate	Graduate	Post Graduate

Promoting interest and knowledge of ENS technology

Pre-College Science Education

- Inquiry Modules for middle school science
- Education Tools using acoustic and image sensing
- Google CS4ALL Teacher Workshops
- HS-SEAS High School Internships
- CENSEI, web-based curriculum portal
- Education Research

Undergraduate Research Programs

- Undergraduate level ENS courses
- Summer @ CENS Internship Program
- CENS Intel Scholars Program
- Women @ CENS

Graduate Student Programs

- Graduate level ENS courses
- Research Fellowships
- Multidisciplinary research teams
- Technical Seminars & Networking Events
- Professional Development Opportunities
- Graduate Student Recruitment Activities

Diversity and Gender Equity Initiatives

- Women @ CENS: A Research System
- Hands-on Future Tech Conference
- Collaboration with local and national partners
  - Regional community colleges & universities
  - Professional organizations
  - Science and Technology Centers

Ethics Program

- Promoting understanding of ethics issues
- Discussing implications of ENS technology

Data Management

- Research on scientific data practices
- Research questions address the initial stages of the data life cycle, including:
  - Data characteristics, sharing, policy and architecture

Evaluation

- Monitoring diversity statistics
- Formative and summative evaluation

CENS Education Websites

- Providing online resources for educators and students:

www.cens.ucla.edu/Education & www.nsfstc.org