



LOOKING AHEAD:

ENHANCING THE PREPARATION OF STEM UNDERGRADUATES FOR GRADUATE STUDIES

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GOALS AND OBJECTIVES OF I-CUBED AT UF:




DEVELOP
INTEGRATION AND
SYNERGIES IN
RESEARCH,
TRAINING, AND
EDUCATIONAL
PROGRAMS

BROADEN COLLABORATION
AMONG STUDENTS AND
FACULTY IN STEM AND SBE
DISCIPLINES THROUGH
RESEARCH AND EDUCATION
OPPORTUNITIES

INCLUDE UNDERGRADUATE
**STUDENTS IN PROGRAM
ACTIVITIES TO ENHANCE
THEIR PREPARATION FOR
GRADUATE STUDY**

LAUNCH A SMALL SUITE OF
PROFESSIONAL DEVELOPMENT,
EDUCATIONAL, AND TRAINING
ACTIVITIES FOR GRADUATE
STUDENTS WITH EMPHASIS IN
PEDAGOGY, ETHICS, AND
MENTORING

ENCOURAGE AND
BROADEN THE
PARTICIPATION OF
UNDER-REPRESENTED
STUDENTS IN
PROGRAM ACTIVITIES



INTERDISCIPLINARY RESEARCH PROJECTS

I-CUBED has funded 20 research awards to graduate student interdisciplinary teams, nine of which included undergraduates as research team members.

UNDERGRADUATE students benefited from their participation in these interdisciplinary projects by:

- **MENTORSHIP** from project leaders
- **HANDS-ON** experience conducting research
- **USING** their cultural and disciplinary knowledge
- **COLLABORATION** with the project leaders
- **PRACTICAL** skill development with project activities

AN interdisciplinary research team in 2010 investigated the University of Florida's capacity to broaden participation and support for students with disabilities.

IMPACT: In 2013, two of the graduate student leaders were awarded funding for a four-year NSF project to support the achievement of undergraduates with learning disabilities in STEM disciplines called "Comprehensive Support for STEM Students with Learning Disability" (HRD-1246587).

SUPPORTING UNDERGRADUATE MENTORSHIP

SINCE 2012, the Graduate Student Mentoring Award has recognized graduate students who act as mentors to undergraduate students at UF, their fellow graduate students, and in K-12 classrooms. **THIRTEEN** of the sixteen awardees have engaged in undergraduate mentorship.



For the past two years, recipients of the Graduate Student Mentoring Award have been recognized for their mentoring efforts with undergraduate students, graduate students, and in K-12 classrooms.

THE I-Cubed Graduate Student Advisory Council assisted the Center for Undergraduate Research with the launch of the UF Research Database, a matching tool to connect undergraduate students to research opportunities with graduate students and faculty.

SUPPORTING UNDERGRADUATE RESEARCH

UNDERGRADUATE students who participate in research activities are invited to present posters at the annual Graduate Student Research Day and attend the professional development workshops.



Graduate and Undergraduate students present their research side-by-side at the annual Graduate Student Research Day (formerly NSF Research Day).

ANNUALLY, one undergraduate presenter wins the Best Undergraduate Poster Award.

- **2010:** 8 undergrads presented posters
- **2011:** 12 undergrads presented posters
- **2012:** 20 undergrads presented posters
- **2013:** 23 undergrads presented posters

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