

The University of South Florida  
has partnered with  
FGLSAMP and NSF  
to implement a unique  
cross-disciplinary thematic  
approach to traditional  
STEM graduate education.

*“Foster new cross-disciplinary expertise  
and research endeavors in marine,  
environmental, biological, & chemical  
sciences, & biomedical sensor designs  
and applications.”*

## Unique Features

**Diversity Awareness Workshop for Faculty Mentors** — will focus on enabling faculty mentors to examine diversity from reflective, introspective and proactive perspectives. Designed to raise awareness and provide relevant strategies and resources.

**Biogeochemical Sensors, Development and Applications Course** — will focus on the application, design and adaptation of sensor technology for use in marine, environmental, biological, chemical and biomedical research applications.

**Science and Engineering Instruction and Professional Development Course** — divided into two components: 1) effective teaching and classroom management techniques for science and engineering instruction; and 2) professional skills development including technical writing, presentations, etiquette, ethics, networking, time management, and career planning.

**Undergraduate Opportunities** — include 1) cross-disciplinary summer and year long research experiences; and, 2) membership in the LSAMP and FGLSAMP Clubs that provide academic support services, laboratory research experiences, professional development and opportunities to facilitate enrollment into graduate programs.



College of Marine Science and USF  
St. Petersburg Campus

To request an application or additional  
information contact:

*Ashanti J. Pyrtle, Ph.D.*, Project Director.  
Assistant Professor, USF College of Marine Science  
140 7th Ave., S., St. Petersburg, FL 33701  
727.553.1301; apyrtle@marine.usf.edu

*Shekhar Bhansali, Ph.D.*, Project Co-Director.  
Associate Professor, USF Electrical Engineering dept.  
4202 E. Fowler Ave., ENB118, Tampa, FL 33620  
813.974.3593; bhansali@eng.usf.edu



[www.msphds.usf.edu/BD\\_Fellowship/](http://www.msphds.usf.edu/BD_Fellowship/)



Engineering Building III (ENC) on USF's Tampa campus  
is the newest of the College of Engineering's facilities.  
ENC houses four departments, faculty offices, and state-  
of-the-art research labs.

*The Florida-Georgia  
Louis Stokes Alliance  
for Minority Participation*

*Bridge  
to the  
Doctorate*



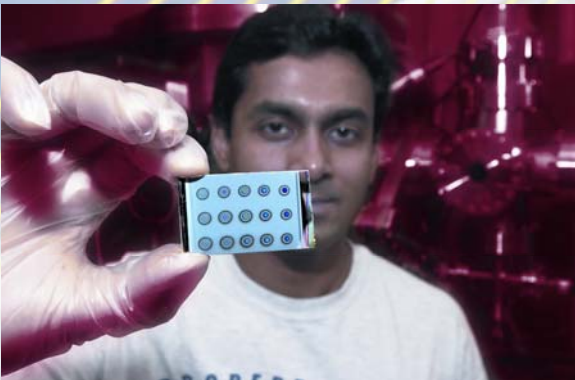
Seeking talented, motivated LSAMP  
graduates with B.S. degrees in  
interdisciplinary and traditional STEM fields

# Bridge to the Doctorate

Florida-Georgia Louis Stokes Alliance for Minority Participation

## Benefits 'at a Glance'

Annual Stipend  
Full Graduate School Tuition & Fees Support  
Cross Disciplinary Science & Engineering Exposure & Academic Curriculum  
Academic Year/Summer Research Experiences  
Professional Conference & Research Travel Opportunities  
Workshops, Short Courses & Seminars  
Seamless Financial Support  
Other Professional Opportunities



Sunshine Skyway Bridge photo courtesy of FIGG Engineering, Tallahassee, Florida.

## Fellowship Guidelines

A total of 20 FGLSAMP Bridge to the Doctorate Fellowships will be awarded.

### Who is eligible?

Under-represented U.S. minorities as defined by NSF (Hispanic, African American, Native American, Alaskan Native, or Pacific Islander)  
Holder of a B.S. degree in a STEM discipline from an undergraduate LSAMP institution  
One who is admitted to or intends to apply to a graduate degree program in a STEM-related field

### Benefits of the Bridge to the Doctorate Program

Gain knowledge in both science and engineering fields and research expertise in the development and application of sensors for marine, environmental, biological, chemical and biomedical science related research endeavors.

Financial support package: 2-year fellowship of \$30,000 per year, and for doctoral students an additional 2 years of support at a minimum of \$15,000 per year

Full graduate school tuition and fees support  
Participation in workshops, seminars and short courses on professional development, science and engineering—related topics  
Cross disciplinary science and engineering academic curriculum  
Professional and research travel opportunities

### Application Requirements

Completed *Bridge to the Doctorate Fellowship* application  
Brief personal statement outlining interests in the project and career goals  
Unofficial transcript  
Letter of support outlining students' potential for success in the project



## Qualifications 'at a Glance'

Minimum 3.0 GPA  
Participant in Undergraduate LSAMP Program  
U.S. Underrepresented Minority  
Must Meet USF Graduate Admission Requirements  
Acceptance into a USF STEM Graduate Program