OSI’s Holistic Development Approach

**Mission:** OSI assists in raising LSU’s standing among its peers, and enhances the diversity of the student body (particularly at the graduate level) and the faculty (particularly in STEM).

**Multi-faceted Training Model**
- Recruitment of motivated students
- Cohort-based
- Holistic mentoring
- Early exposure into research

**Factors Impacting Persistence**
- Strong academic support system
- Community service and outreach
- Counseling/Advising at critical junctures

HHMI Professors Program
High Potential Undergraduate Scholars

The HHMI Professors Program at LSU began in 2002 and combines undergraduate research with mentoring and learning strategies. The goal is to develop a new model for undergraduate training that creates a motivating atmosphere, which promotes academic success in STEM, ultimately increasing the number and diversity of students going on to terminal degrees in these fields.

In 2007, the LSU HHMI Professors Program began recruiting Baton Rouge Community College (BRCC) students. Students engage with LSU HHMI undergraduate and research for at least two years before transferring to LSU to complete the BS degree.

Programmatic Elements
- Eligibility: undergraduate GPA range of 2.5 and higher, and high credentials
- Stipend of $3,600 per year
- Undergraduate research

Program Demographics and Outcomes
- 135 Scholars served
- 50% women
- 78% 4-year graduation rate in STEM

OSI Programs

LA-STEM Program
High Achieving Undergraduate Scholars

The Louisiana Science, Technology, Engineering, and Mathematics (LA-STEM) Research Scholars Program focuses on bringing together students with diverse backgrounds and experiences with a primary aim of developing leaders who go on to pursue doctoral degrees in STEM.

Programmatic Elements
- Selection Weekend
- Full Summer Bridge Program
- Financial award up to $12,500/yr
- Admission into LSU Honors College
- Undergraduate research
- Individual Development Plans
- Service learning and community involvement

Program Demographics and Outcomes
- 249 Scholars served since 2003
- 50% women
- 90% 6-year graduation rate in STEM
- 158 Graduates

Bridge to the Doctorate
Underrepresented Graduate Fellows

The Louis Stokes Alliances for Minority Participation Bridge to the Doctorate at LSU has hosted 7 cohorts of underrepresented LSAMP Fellows since Fall 2005 (with an 8th cohort being Fall 2017).

Programmatic Elements
- Eligibility: BS Degree from LSAMP Institution
- $32,000 per year, plus tuition, for the first two years of graduate study
- Support for research supplies and travel
- Individual Development Plans

Program Demographics and Outcomes
- 99 Fellows served since 2005
- 88% African American, 7% Hispanic, 5% American Indian
- 61% Women
- 32 PhD, 15 MA/MS degrees
- 11 PhD Candidates: 12 PhD Students
- 5 NSF Graduate Research Fellowships
- 2 NASA Harriet G. Jenkins Pre-doctoral Fellowships

Institutions Represented
- Boeing Green State University
- Chicago State University
- Clark Atlanta University
- Clark University
- DePaul University
- Dillard University
- Florida A&M University
- Florida International University
- Grambling State University
- Howard University
- Jackson State University
- Louisiana State University
- McNeese State University
- Mississippi State University
- Mississippi Valley State University
- Morehouse College
- North Carolina A&T State University
- Oklahoma State University
- Pennsylvania State University
- Rutgers State University - New Brunswick
- Savannah State University
- University of Alabama
- University of Arkansas
- University of Illinois
- University of Kentucky
- University of Louisiana
- University of Nebraska
- University of North Carolina
- University of Oklahoma
- University of Pennsylvania
- University of Texas
- University of Virginia
- Virginia Commonwealth University
- Wayne State University
- Washington State University
- West Virginia University
- Worcester Polytechnic Institute
- Wright State University
- Xavier University of Louisiana
- Yale University

LSU STEM Alumni Connect
Building the Pipeline … from Scholars to Faculty

The LSU STEM Alumni Connect program is designed to support and connect LSU STEM students during their undergraduate studies and beyond. The program aims to bridge the gap between undergraduate and graduate education by providing resources, mentorship, and networking opportunities to help students achieve their academic and career goals.

LSU STEM Alumni Connect

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