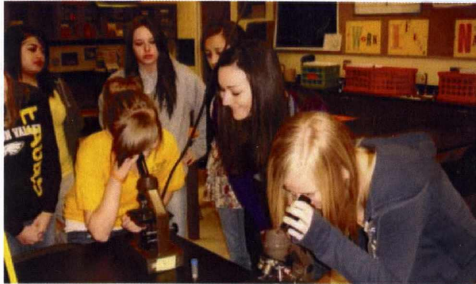


LOUIS STOKES ALLIANCES FOR MINORITY PARTICIPATION (LSAMP)



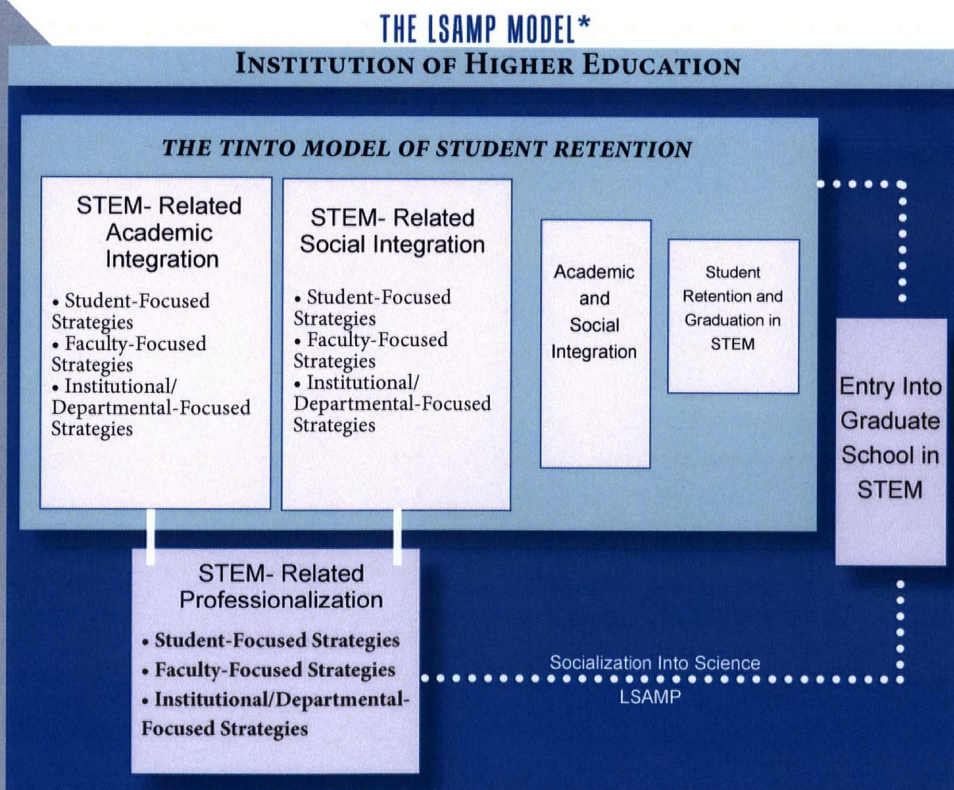
INCREASING BACCALAUREATE DEGREE ATTAINMENT IN SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS



The NSF's Louis Stokes Alliances for Minority Participation (LSAMP) Program supports sustained and comprehensive approaches to broadening participation at the baccalaureate level. These approaches facilitate the production of historically-underrepresented students (e.g., African Americans, Hispanics, Native Americans, and Pacific Islanders) who are well prepared in science, technology, engineering, and mathematics (STEM) and motivated to pursue graduate education. In addition, expectations are placed on institutionalizing, disseminating and promoting the replication of strategies and collaborative approaches that have been successful in the transition of targeted undergraduate STEM students to graduate STEM programs and the workforce.

The Urban Institute reported in its 2006 program evaluation that "the LSAMP Model utilizes strategies and approaches that focus on helping students achieve academic and social integration." The LSAMP model expands on Tinto's student retention strategies, plus STEM related professionalization.

The LSAMP program was congressionally mandated in 1991. The National Science Foundation currently supports forty (40) alliances nation-wide through five-year awards ranging from \$2.5 million to \$5 million over 60 months.



Impact by the Numbers :

- 400,000 BS/BA LSAMP Alumnae
- > 200,000 minority student participants annually at LSAMP
- > 31,000 BS/BA graduates per year (2011 data)
- > 600 2 and 4 year institutions

Evidence of Success*

LSAMP GRADUATES

- 80% took further coursework after bachelor's degree
- 65% pursued graduate degrees
- 45% completed graduate degrees
- 38% enrolled in STEM
- 25% completed STEM graduate degrees

Non-LSAMP GRADUATES

- 60% took further coursework after bachelor's degree
- 45% pursued graduate degrees
- 20% completed graduate degrees
- 20% enrolled in STEM
- 9% completed STEM graduate degrees

* SOURCE: URBAN INSTITUTE. 2006 REVITALIZING THE NATION'S TALENT POOL IN STEM.

LSAMP Goals:

- ➔ To increase significantly the quantity and quality of minority students in STEM disciplines;
- ➔ To support STEM baccalaureate activities ensuring entry into graduate schools, and the workforce;
- ➔ To support the preparation of LSAMP students for research internships at university, and national labs, such as, the Department of Energy, National Institutes of Health, and the Smithsonian, The Organization of Tropical Studies Field Stations and The National Marine Labs also provide research Opportunities for LSAMP students.

Reported Effects on Students...

"...I did some great radiopharmaceutical cancer research and got to meet many professionals in my career of interest along with other scholars from across the world." -LSAMP student



Student/ Faculty Research Conference

Courtesy of NYC Alliance/ Monica Jones Keno

The LSAMP Bridge to the Doctorate (BD) Activity

At the post-baccalaureate level, the LSAMP Bridge to the Doctorate (BD) Activity provides support for LSAMP (undergraduate) alumni for two years of graduate study in STEM disciplines. Students receive a two-year \$60,000 stipend and cost of education allowance up to \$21,000 through this funding opportunity. Participating institutions are responsible for ensuring that students matriculating in BD programs have established plans for financial support through STEM doctoral studies and degree completion. Since 2003, the National Science Foundation has supported more than 45 BD sites across the Nation through twenty-one alliances. More than 1,200 students from underrepresented minority populations have been supported through this LSAMP activity.

BD Goals:

- 1) To increase the number of underrepresented minority students (URMs) with baccalaureate degrees in STEM fields that enter STEM graduate programs;
- 2) To increase the number of URMs who complete graduate degrees in a STEM field; and
- 3) To increase the number of URMs with STEM graduate degrees who enter the STEM workforce.



For more program information and to view a listing of current LSAMP projects:

Current Solicitation

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13646

Program Evaluation

Dissemination Report:

<http://www.urban.org/url.cfm?ID=311299>

Full Report:

<http://www.urban.org/url.cfm?ID=411301>

National Publications (2009)

http://www.uab.edu/aagep/LSAMP_09.pdf (LSAMP)

http://www.uab.edu/alsamp/LSAMP_09.pdf (BD)

