

Broadening Participation in STEM Programs through LSAMP



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PURPOSE OF THE LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION – LSAMP

- To use institutional alliances to support sustained and comprehensive approaches that facilitate achievement of the long-term goal of increasing the number of students who earn doctorates in STEM fields, particularly those from populations underrepresented in STEM fields

KEY GOALS

- Increase the quality and quantity of students successfully completing science, technology, engineering and mathematics (STEM) baccalaureate degree programs
- Increase the number of students interested in, academically qualified for, and matriculated into programs of graduate study

UPSTATE LSAMP PARTNERS

- Cornell University
- Clarkson University
- Syracuse University
- Rochester Institute of Technology
- Rensselaer Polytechnic Institute
- Onondaga Community College
- Monroe Community College



CORNELL LSAMP – KEY AREAS OF FOCUS

- CU LSAMP Summer Research Program (CU LSAMP-R)
- CU LSAMP Scholars Program
- Joint Alliance Activities
- Recruitment Initiatives



ERN Emerging Researchers
National Conference in STEM



LSAMP | CONFERENCE
UPSTATE LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION
MARCH 4-5, 2011 | CORNELL UNIVERSITY

CU LSAMP SUMMER RESEARCH PROGRAM

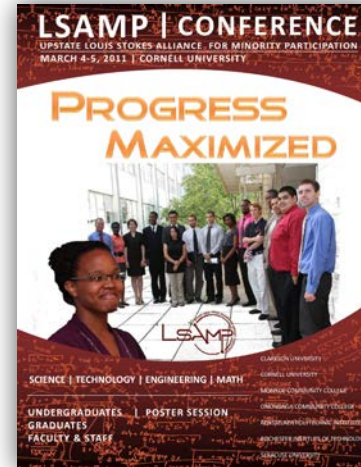
- Leverage Faculty Partnerships – Examples: Broader Impacts for CAREER Awards, TRUST, REU Supplements
- Leverage Alliance and other Institutional Partners to Cost-Share
- Leverage Cornell Partners to Cost-Share – Examples: Engineering Learning Initiatives & Office of UG Research

CU LSAMP SCHOLARS PROGRAM

- Scholars community for UG and M.Eng students
- Seminars and resources focused on preparing scholars for research experiences and graduate school

UPSTATE LSAMP JOINT ALLIANCE ACTIVITIES

- ERN Conference in STEM
- GEM Grad Lab at Rensselaer
- Joint Research Symposia
- Upstate LSAMP Conference



CU LSAMP RECRUITMENT INITIATIVES

- Off Campus Recruitment – H.S., CBO, CC Visits
- Career/Grad Fairs: AISES, NSBE, SHPE, Big 10 Grad Expo, CSTEP, Brookhaven National Lab, etc.
- Diversity Hosting & Women in Engineering Weekends

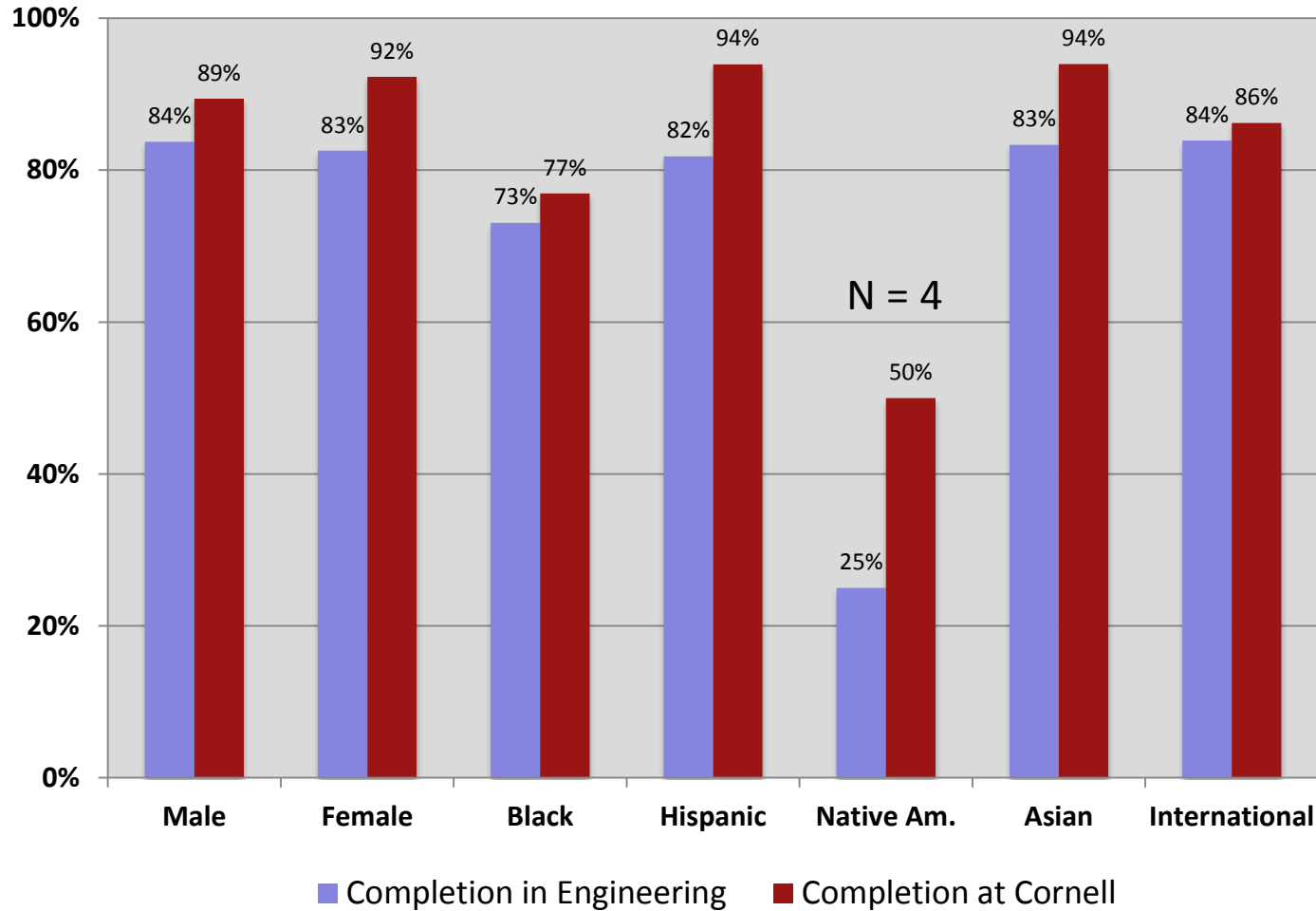
IMPACT ON ENROLLMENT: 2006-2010

- The percentage of URM Students in the enrolling class increased from 8.2% to 13.2% while the total enrollment of URM students in the College of Engineering rose from 7.4% to 10.2%
- The percentage of women in the enrolling class increased from 25.3% to 37.3% while the total enrollment of women in the college rose from 27.7% to 33.4%

IMPACT ON COMPLETION: 2002-07 vs. 2005-10

- 5-year graduation rate for all URM students entering and graduating from the College of Engineering increased from 64.8% to 74.6%
- 5-year graduation rate for all URM students entering engineering but graduating from any college at Cornell increased from 77.8% to 84.1%
- 5-year graduation rate for all women entering and graduating from the College of Engineering increased from 75.5% to 82.6%
- 5-year graduation rate for all women entering engineering but graduating from any college at Cornell remained stable at ~92%

5 Year Completion Rate: 2005-2010



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