

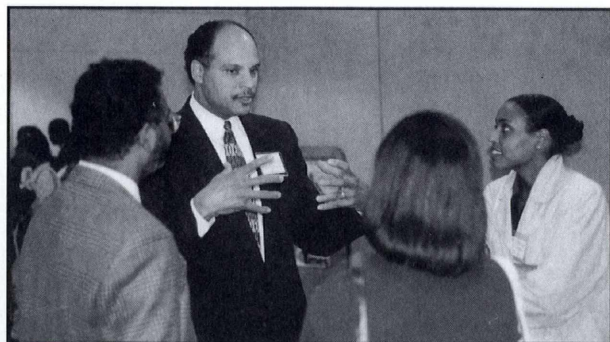
## Highlights of Major Accomplishments

### • Enrollment and Degree Production

During the 2000-2001 academic year, 6,230 underrepresented minority students enrolled in STEM disciplines were supported by NC-LSAMP partner institutions. Moreover, 1,034 B.S. degrees were awarded to underrepresented minority students in STEM fields. In addition, Alliance universities awarded 233 M.S. and 39 Ph.D. degrees to minorities in STEM areas of concentration.

### • Institutionalization of a national calculus reform program within the Alliance framework (**Collegiate Curriculum Reform and Community Action (CCRCA)**) impacting 35 minority-serving institutions and 7000 students annually, with a current total cumulative impact of 153 science and mathematics faculty and 24,000 students. Data indicate that 20% fewer students withdraw from calculus courses incorporating the technology, while a 25% increase is reflected by the course passing rate with a grade of C or above.

### • Collaborative learning approaches significantly improved the overall quality of the STEM learning environment through systemic changes in curriculum reform of "gatekeeper" courses.



# NC-LSAMP

NORTH CAROLINA LOUIS STOKES  
ALLIANCE FOR MINORITY PARTICIPATION

*"Building a stronger  
partnership for success"*



# 10

## Years and Counting

Sponsored by the National Science Foundation  
and Participating Institutions:

Fayetteville State University

North Carolina Central University

North Carolina State University

University of North Carolina-Chapel Hill

University of North Carolina-Charlotte

University of North Carolina-Pembroke

Winston-Salem State University

North Carolina A&T State University (lead campus)

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## Program Synopsis

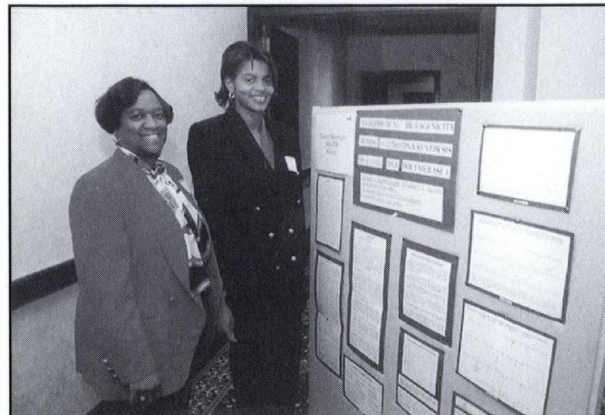
The North Carolina Louis Stokes Alliance for Minority Participation is a partnership of eight institutions within the University of North Carolina system. The chief aim of the Alliance is to substantially increase the number of underrepresented minority students earning B.S. degrees, and subsequently pursuing M.S. and Ph.D. degrees in science, technology, engineering, and mathematics (STEM) disciplines. By systematically enhancing recruitment, retention, opportunities, and access to education, internships, and research in these fields, the Alliance is achieving this goal. Since the inception of NC-LSAMP in 1992, combined efforts of partner institutions have resulted in a variety of programs and activities geared toward enhancing overall student success.

## National Impact of LSAMP Program

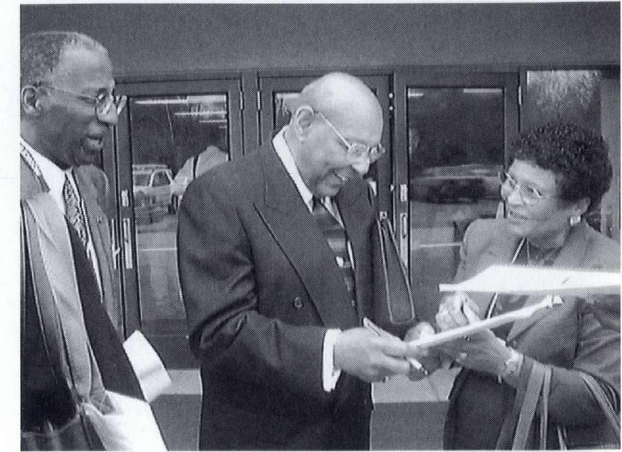
The National Science Foundation currently funds 29 LSAMP programs. In 2002, national student participants in LSAMP reached an all-time high of 201,615 enrollees and 21,704 graduates at the baccalaureate level.

Targeted programs, activities, and services:

- Supplemental Instruction and Tutorial Services in "gatekeeper" Courses
- Distance Learning
- Hands-on Instructional Activities
- Collaborative Learning
- General Engineering Freshmen Core Program
- Peer Study Groups
- Summer Research Program
- Faculty and Peer Mentoring Programs
- Summer Bridge Program
- Industry and National Research Laboratory Internships
- Career Advisement
- Scholarship Program



Former U.S. Congressman Attends Research Conference



The Honorable Louis Stokes, former U.S. Congressman from Ohio, was the special guest and luncheon speaker at the Fourth Annual NC-LSAMP Undergraduate Research Conference. The event was hosted by Winston-Salem State University on April 14, 2000. The conference theme was "Sustaining the Vital Connection Between Research and Education in the 21st Century."

"I commend the National Science Foundation for its generous sponsorship of the LSAMP Program, which significantly benefits underrepresented minorities in science, technology, engineering, and mathematics disciplines throughout the United States."

Congressman Louis Stokes  
(Retired)