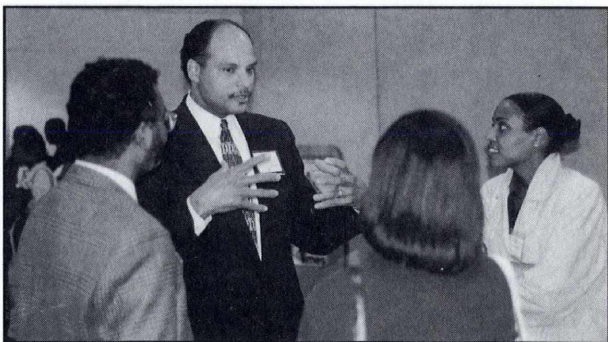


Highlights of Major Accomplishments

- SMET degree gains since 1996:
25% AMP-wide on the average
67% Hispanic American
23% African American
22% Native American
- SMET enrollment gains since 1994:
58% Hispanic American
18% Native American
10% African American
- 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 SMET learning environment through systemic changes in curriculum reform of "gatekeeper" courses.
- Dramatic increases in faculty-mentored research and participation in spring semester undergraduate research competitions. Since 1997, oral presentations during the Alliance Research Conference increased by 100%, while posters increased 221%. Similarly, a greater percentage of underrepresented minority students are enrolling in SMET graduate degree programs.



NC-LSAMP

NORTH CAROLINA LOUIS STOKES
ALLIANCE FOR MINORITY PARTICIPATION

*"Building a stronger
partnership for success"*



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**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**)

PROGRAM SYNOPSIS

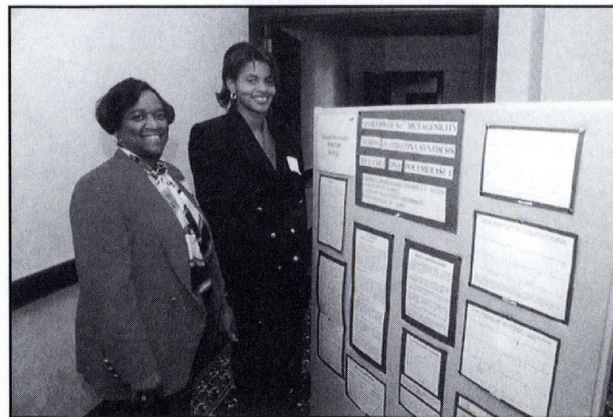
The North Carolina Louis Stokes Alliance for Minority Participation is a partnership of eight institutions within the University of North Carolina system. The chief aim of the Alliance is to substantially increase the number of underrepresented minority students earning B.S. degrees, and subsequently pursuing M.S. and Ph.D. degrees in science, mathematics, engineering, and technology (SMET) 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.

Enrollment and Degree Production

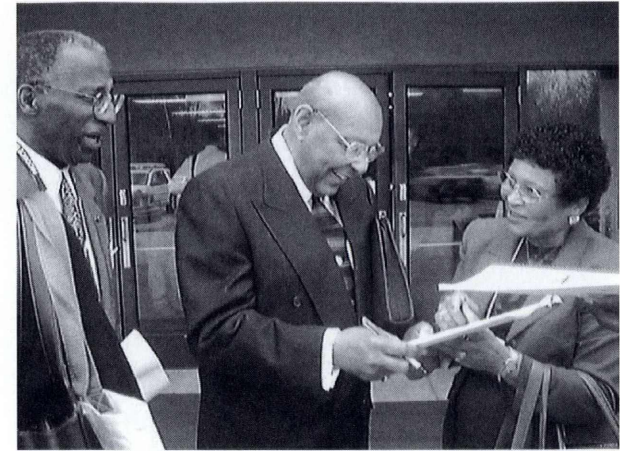
During the 1999-2000 academic year, 5,188 underrepresented minority students enrolled in SMET disciplines were supported by NC-LSAMP institutions. Moreover, 919 B.S. degrees were awarded to African American (810), Hispanic American (60), and Native American (49) students in SMET fields.

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, mathematics, engineering, and technology disciplines throughout the United States."

Congressman Louis Stokes
(Retired)