HOUSTON LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (H-LSAMP)
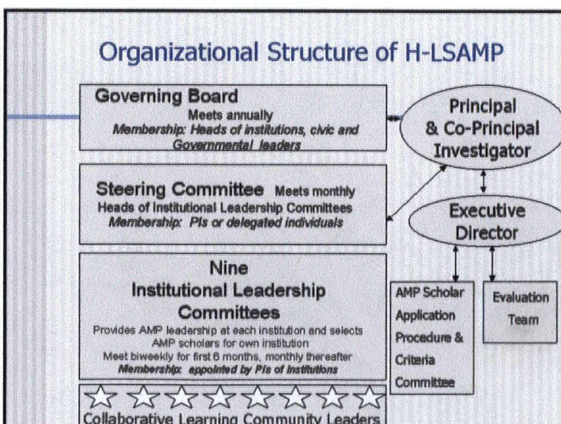
Houston Louis Stokes Alliance for Minority Participation

This project is funded, in part, by the

National Science Foundation

Program Participants

- University of Houston
- Texas Southern University
- Southwest Texas State University
- Rice University
- University of Houston - Downtown
- University of Houston - Victoria
- Houston Community College System
- San Jacinto College District
- Houston Independent School District

Organizational Structure of H-LSAMP

Governing Board
Meets annually
Membership: Heads of institutions, civic and Governmental leaders

Steering Committee Meets monthly
Heads of Institutional Leadership Committees
Membership: PIs or delegated individuals

Nine Institutional Leadership Committees
Provides AMP leadership at each institution and selects AMP scholars for own institution
Meet biweekly for first 6 months, monthly thereafter
Membership: appointed by PIs of Institutions

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Collaborative Learning Community Leaders

Principal & Co-Principal Investigator

Executive Director

AMP Scholar Application Procedure & Criteria Committee

Evaluation Team

H-LSAMP Goals

- To substantially increased (double) number of minority students who graduate with degrees in the sciences, mathematics, engineering, and technology (SMET) fields from Houston AMP institutions.

- To support, encourage, and prepare underrepresented students to graduate with baccalaureate degrees in SMET fields from Houston AMP institutions.

- To promote interest in graduate school.

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H-LSAMP Key Elements

- Collaborative Learning Community (CLC)
- Faculty support
- Financial support
- Employment opportunities within students' areas of study
- Mentoring
  - Peer mentoring
  - Graduate student mentoring/tutoring
  - Faculty mentoring

What is expected of H-LSAMP Scholars?

- Students are required to attend all CLC workshop sessions and to participate actively.
- Students are expected to assist the CLC program and other LSAMP Scholars.
- Students must maintain full-time enrollment (12 or more semester hours).
- Students must graduate within five years.

H-LSAMP Students at Research Conference at SWTSU, July 2000

What are the eligibility requirements?

- First-Time In-College Students must:
  - Submit an application
  - Submit three letters of recommendation from science and math teachers
  - Write an essay describing their career goal(s), reasons for choosing that career, and what they have done so far to prepare themselves for their career
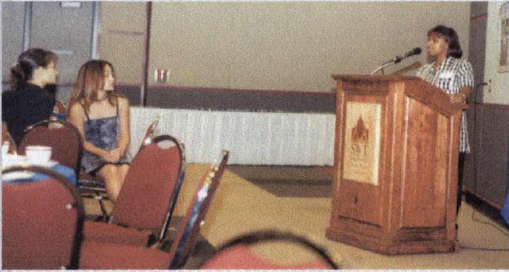
Eligibility Requirements, cont.

- Have at least three years of (state core) science courses
- Have taken mathematics courses through pre-calculus (elementary functions), calculus preferred
- Rank in top 25% of high school graduating class and/or have a state core GPA of B or better
- SAT math 450 and verbal 450 or better
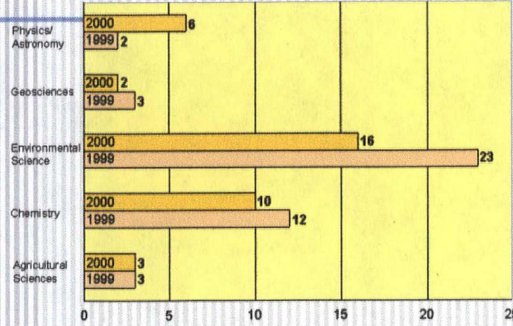- Math and science GPA of B or better

Currently enrolled college students must:

- Have declared a SMET major
- Have a cumulative GPA of 2.5 or better
- Have a major GPA of 2.5 or better, or math/science GPA of 2.5 or better
- Maintain a full-time enrollment status (12 or more semester hours)
- Submit three letters of recommendation from university or college math, science, engineering, or technology instructors
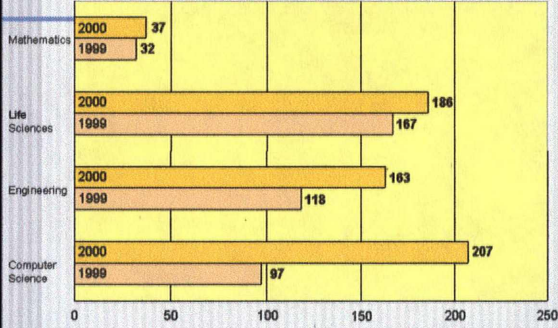
Dr. Donna Washington-Stokes
Keynote Speaker H-LSAMP Student Research
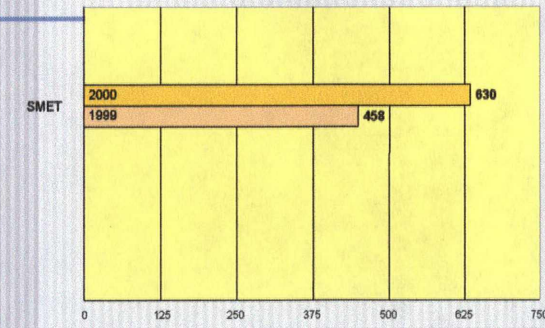Conference at SWTSU, July 2000

Underrepresented Minorities SMET Bachelor's Degrees Awarded
Baseline Data - 1999
H-LSAMP Year 1 - 2000

Category	1999	2000
Physics/Astronomy	2	6
Geosciences	3	2
Environmental Science	23	16
Chemistry	12	10
Agricultural Sciences	3	3

Underrepresented Minorities SMET Bachelor's Degrees Awarded
Baseline Data - 1999
H-LSAMP Year 1 - 2000

Category	1999	2000
Mathematics	32	37
Life Sciences	167	186
Engineering	118	163
Computer Science	97	207

Underrepresented Minorities SMET Bachelor's Degrees Awarded
Baseline Data - 1999
H-LSAMP - 2000

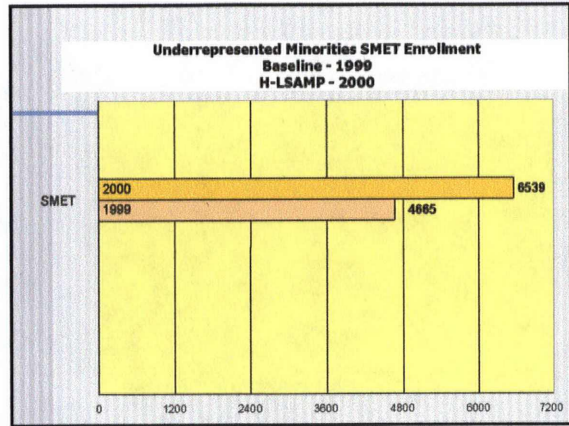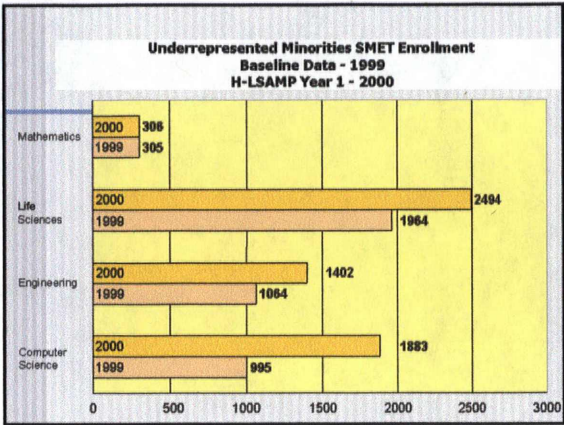|	1999	2000
SMET	458	630

BBQ Lunch at H-LSAMP Student Research
Conference at SWTSU, July 2000

Underrepresented Minorities SMET Enrollment
Baseline Data - 1999
H-LSAMP Year 1 - 2000

Category	1999	2000
Physics/Astronomy	45	46
Geosciences	13	22
Environmental Science	68	69
Chemistry	158	262
Agricultural Sciences	53	55

Underrepresented Minorities SMET Enrollment
Baseline Data - 1999
H-LSAMP Year 1 - 2000

Category	Year	Value
Mathematics	2000	306
	1999	305
Life Sciences	2000	2494
	1999	1964
Engineering	2000	1402
	1999	1064
Computer Science	2000	1883
	1999	995

Underrepresented Minorities SMET Enrollment
Baseline - 1999
H-LSAMP - 2000

	Year	Value
SMET	2000	6539
	1999	4865

First-Year Goals

- Train CLC coordinators for H-LSAMP institutions

- Train student teaching assistants to conduct academic workshops

- Establish CLC facilities (for workshop & study purposes) at all H-LSAMP institutions

- Establish CLC academic workshops at all H-LSAMP institutions

First-Year Goals

- Recruit students at high schools with high percentages of minority students

- Conduct summer bridge programs for incoming freshmen:

  - Study Skills workshops

  - Math workshops

  - Science workshops

First-Year Goals

- Conduct a H-LSAMP Student Research Conference at Southwest Texas State University

- Establish a H-LSAMP database

- Establish a H-LSAMP website

First-Year Accomplishments

- Trained CLC coordinators for H-LSAMP institutions

- Trained student teaching assistants to conduct academic workshops

- Established CLC facilities for workshop & study purposes at all H-LSAMP institutions

- Established CLC academic workshops at all H-LSAMP institutions

First-Year Accomplishments

- Recruited students at high schools with high percentages of minority students
- Conducted summer bridge programs for incoming freshmen
- Conducted 1st Annual H-LSAMP Student Research Conference
- Established H-LSAMP database
- Established a H-LSAMP website
  - www.hlsamp.uh.edu

Plans for upcoming year

- Identify faculty to serve as mentors
- Establish research opportunities for students both in academia and industry
- Establish student internships in industry
- Establish student internships at local K-12 educational institutions

Institutional Responsibilities

- Each institution is expected to:
  - Meet ongoing commitments as outlined in the grant proposal
  - Develop resources for the purpose of institutionalizing the AMP program after the NSF funding ends

Sylvia Foster, UH's CLC Coordinator, with H-LSAMP Graduate, May 2000

ALLIANCE FOR MINORITY PARTICIPATION
AMP
HOUSTON
LOUIS STOKES