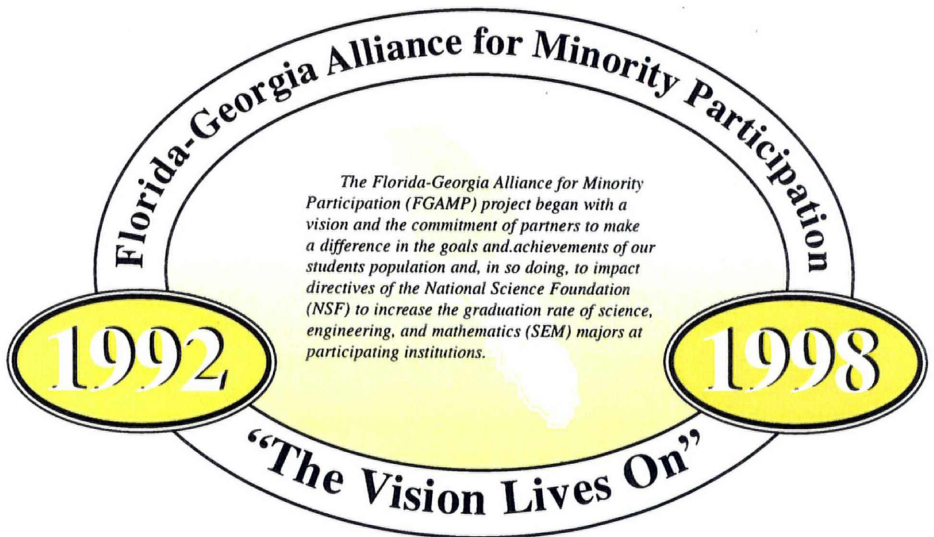


# Louis Stokes Alliances for Minority Participation (LSAMP)

## “PROGRAM EFFECTIVENESS REVIEW”



**Mission Statement:** All FGAMP participants will have the academic and counseling support needed to pursue a career in Science, Engineering, or Mathematics.

**November 16-17, 1998**

**Washington D.C.**

## OVERVIEW

In 1992, twelve institutions of higher learning came together and endorsed a plan that would increase the number of science, engineering, and mathematics graduates and influence the enrollment of these students in graduate programs. The initiative for this coalition was through the National Science Foundation (NSF) funded Alliances for Minority Participation (AMP) Program. The project was identified as the Florida-Georgia Alliance for Minority Participation (FGAMP) Project and included ten institutions in Florida and two in Georgia. The FGAMP is now into its sixth year of operation. Currently participating institutions include: *Albany State University, Bethune-Cookman College, Florida A&M University, Florida International University, Florida Memorial College, Florida State University, University of Florida, University of Central Florida, University of Miami, University of South Florida and affiliates Florida Community College at Jacksonville, Miami-Dade Community College and Tallahassee Community College.* The University of Miami and Florida Memorial College joined the Alliance in Phase II. Clark Atlanta University, a member of the Alliance in Phase I, is now the lead institution for the Georgia College Fund AMP. Florida A&M continues to serve as the lead institution and assumes primary responsibility for project management. The FGAMP Plan is holistic and spans from the prematriculation level to receipt of the B.S. degree.

Guided by a framework established by the National Science Foundation (NSF), the institutions involved in the FGAMP project have established nine specific goals to influence the progression (timely movement of students through the curriculum) and graduation rates of minorities in SMET areas. The primary activities of the FGAMP Project include strengthening the level of academic preparation and progression of students in the major and supporting students in research projects as early as the summer following the sophomore year. FGAMP has established linkages with institutions to facilitate research opportunities and the smooth transition of students into graduate programs. Involvement of these partners may be in the form of scholarship, summer internship, or seminar presentations. Support from the NSF is matched by contributions from each member institution in the Alliance. A special appropriation from the Florida Legislature provides partial support for Florida FGAMP institutions in the form of scholarships for undergraduates and a structured program of graduate-undergraduate student mentoring at six of the participating institutions.

The program has achieved visibility within the participating institutions and from other institutions around the nation. Since the inception of the Alliance, a sense of community has developed among administrators, faculty and students. The Alliance has demonstrated that a holistic approach to education can, and does, yield student success in academic areas. It is clear, that as we approach the new millennium, the education of our youth is a demanding effort of the entire nation. The FGAMP model solicits the involvement and commitment of a diversified force to accomplish its goal. The model is transportable and can be used at any level of academic endeavor.

## **GOALS**

The overarching goal of the Florida-Georgia Alliance for Minority Participation in Science, Engineering and Mathematics is to increase significantly the number of students who obtain undergraduate and graduate degrees in the sciences, mathematics, and engineering. Specific goals are:

1. To recruit increased numbers of students to the SEM disciplines at the freshman and junior levels and graduate these students from the disciplines of their choice in 5 years (some engineering disciplines), 4 years or 2 years respectively;
2. To establish structured relationships with a significant number of graduate institutions for the purpose of facilitating the enrollment of SEM B.S. degree graduates in Ph.D. granting institutions.
3. To explore and plan for the establishment of several 5-year BS/MS combined degree programs at participating institutions;
4. To enhance the graduate school preparation of FGAMP participants through the provision of significant external research experiences;
5. To promote improved student academic performance through organized, well established working relationships among students and between students and faculty.
6. To provide for prospective matriculants a summer academic experience that will review and preview important mathematics and science concepts as a part of a plan to reduce high attrition in the freshman year;
7. To develop a critical mass of highly motivated minority students who, by their organized and serious approach to their work, will serve as positive role models for other students;
8. To enhance faculty teaching skills and improve student learning through faculty conferences and workshops; and
9. To motivate students to pursue academic degrees in SEM disciplines, through exposure at regional conferences and Career EXPOs.

**ACCOMPLISHMENTS:**  
**HISTORICAL PERSPECTIVE**

Activities in the Alliance have been driven by the aforementioned goals, and have resulted in the following major developments.

- Since 1993, FGAMP has secured, from the Florida Legislative, an average of \$642,000 per year for support of the Florida FGAMP institutions.
- Total number of SMET B.S. graduates at participating institutions has more than tripled since 1991 (416 in 1991 to 1380 in 1998).
- Participation of undergraduate students as FGAMP scholars has increased from 454 in 1993 to 730 in 1998.
- Over the past five (5) years, the Alliance has graduated a total of 495 FGAMP supported scholars from four (4) of the major institutions supporting participants. At least 199 of these students are enrolled in graduate programs.
- The Alliance has hosted two Regional Conferences, four Career EXPOs and collaborated in the implementation of one NSF-AMP Student Research Conference.
- Since 1994, the Alliance has secured more than 601 summer internships for eligible FGAMP scholars.
- A world wide web homepage with a link to all participating institutions has been established for the Alliance (<http://www.famu.edu.fgamp/summer.htm>). The homepage features a guest book where visitors can sign-in and leave comments and/or suggestions concerning the project. FGAMP alumni have used this feature extensively.
- In addition to pertinent recruitment informational literature, The Alliance has prepared an FGAMP Operations Manual which has been requested by other AMP institutions.
- The FGAMP Schematic Flowchart and Degrees Earned Hourglass have been requested as models by several institutions.

