

### Living and Learning Together

The College of Science and Mathematics (CSAM) is committed to creating an environment for its students that promotes learning and discovery and fosters personal, intellectual, social, and academic growth. As a CSAM major, students have the opportunity to live on the CSAM Residence Floor in Blanton Hall where they will have the experience of living together in an environment that promotes academic excellence. For more information, go to:

[www.montclair.edu/resed](http://www.montclair.edu/resed)

### Internships and Co-op Opportunities

CSAM has relationships with over 200 area companies and organizations who provide CSAM students with an array of real world internship and cooperative education opportunities. For more information, go to:

[www.montclair.edu/CareerServices](http://www.montclair.edu/CareerServices)

### Research Opportunities

CSAM students are offered an array of opportunities to pursue original research in both laboratory and field studies. Options include grant funded programs, independent research for credit, cooperative agreements, or internships.

[http://webhost.csam.montclair.edu/undergrad\\_research/](http://webhost.csam.montclair.edu/undergrad_research/)

### Meeting of the Minds

CSAM offers a special seminar series for students that features renowned scientists discussing interdisciplinary, broad-based topics. At least ten seminars are held each year.

The College of Science and Mathematics (CSAM) offers a spectrum of discovery-based programs that encompass the natural and physical sciences, mathematics, computer science, information technology, and K-12 science and math education.

The college's five departments offer 30 different bachelor degree, 15 masters and 2 doctoral programs with emphasis on cross-disciplinary approaches, research, and career preparedness for our majors.

CSAM students find a supportive and challenging learning environment designed to stimulate and nurture curiosity, develop and instill strong analytical skills, and provide the knowledge and skills for life-long learning.

Our faculty, most pursuing cutting-edge research, are deeply committed to immersing students in a robust curriculum complemented with exciting research experiences.

Whether your goal is to work in a science or technology-based industry, teach math or science, pursue important research, or obtain a general scientific and mathematical background to allow understanding and informed decisions, the College of Science and Mathematics is committed to enabling you to be fully prepared to enter and succeed in the 21<sup>st</sup> century workforce.

**College of Science  
and Mathematics**

[www.montclair.edu/CSAM](http://www.montclair.edu/CSAM)

*Explore the Spectrum of  
Possibilities in...*

# The Garden State Alliance for Minority Progress at Montclair State University



**MONTCLAIR STATE**  
UNIVERSITY

**The College of Science  
and Mathematics**

## What is the LSAMP Program?

The LSAMP program is a National Science Foundation-funded program aimed at increasing the quality and quantity of students successfully completing science, technology, engineering and mathematics (STEM) degree programs, and increasing the number of students interested in and academically qualified for programs of graduate study. LSAMP supports 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 currently underrepresented in STEM fields.

The LSAMP program provides comprehensive attention to those factors that promote achievement of undergraduate degrees, preparation for graduate study, and preparation for successful careers in the STEM disciplines.

## Garden State-LSAMP Programs

The Garden State LSAMP is an alliance between eight four-year and one two year institutions of northern and central New Jersey. The Alliance's mission is to double the number of historically and currently under-represented American Indian, African American, Hispanic and Pacific Islander students earning bachelor's degrees in Science, Technology, Engineering, and Mathematics.

Using best practices for attracting and retaining students in STEM fields, building upon successful programs at each of the partner schools, and establishing an innovative "hub and spoke" design to establish strong real and cyberspace communities, the GS-LSAMP will establish a pipeline for success in the STEM disciplines .

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## LSAMP Opportunities

LSAMP programs are designed to provide students with valuable leadership skills and experiential learning in the field of science. The program provides ongoing academic and social support for students pursuing STEM majors and helps develop and locate externship and research opportunities.

**Direct Support (Scholarships and Stipends)** of \$2,000 is typically awarded to selected MSU LSAMP students each academic year. Awards are based on academic excellence and associated criteria. These scholarships and stipends assist students in meeting their financial and academic responsibilities.

**Bridge Programs** targeting entering freshmen feature college survival skills and motivational elements, as well as academic courses such as pre-calculus, physics, chemistry, and computing principles.

**Supportive live and virtual forums**, such as workshops and conferences, peer mentoring and tutoring, that build networks within and across campuses in the Alliance will help develop a sense of community and social support. Upper class AMPS scholars will share their research and travel experiences with incoming students and research will be presented at annual conferences.