

CP SER

The primary goal of the **Center for Promoting STEM Education and Research (CP SER)** is to increase the quality and quantity of students successfully completing baccalaureate degrees in STEM fields at FSU, by improving the recruitment, retention, progression, and graduation rates of minorities and women in the STEM disciplines. CP SER is funded by Title III Grant at Fayetteville State University.



Dr. Gurchan Rahi conducts a physics demonstration during the 2008 FSU/Cumberland County High School Science & Math Family Night, 11-19-08.



http://www.boston.com/bostonworks/galleries/best_jobs?pg=11

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**College of Arts and Sciences
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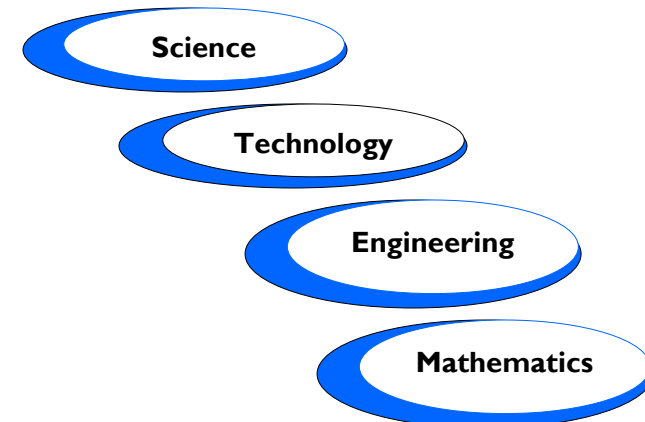
Fayetteville State University



Center for Promoting STEM Education & Research



Lyons Science Annex



The **Center for Promoting STEM Education and Research (CPSER)** will serve as an umbrella program for integrating all existing STEM educational enrichment programs and research activities in the College of Arts and Sciences to ensure collaboration among the externally funded STEM enrichment programs.

Externally Funded STEM Enrichment Programs in the College of Arts & Sciences

RISE— *Research Initiative for Scientific Enhancement*

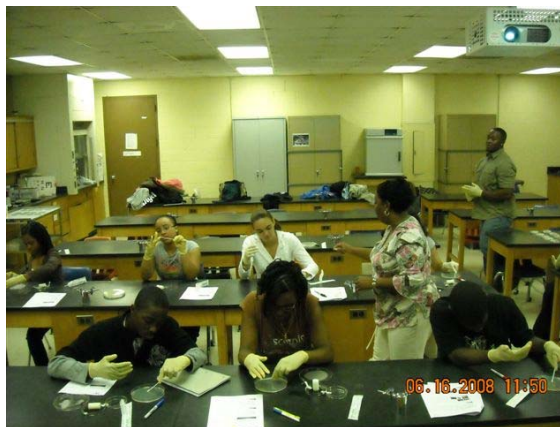
FICAMS— *FSU Innovative Curriculum Approach for Math & Science*

UCAMCS—*University & Community Alliance for Mathematics & Computer Science*

OPTIMUM— *Opportunities for Talent Expansion in Interdisciplinary Education for Minorities and Women in Undergraduate Math and Science*

NC-LSAMP—*North Carolina Louis Stokes Alliance for Minority Participation*

The CPSER staff believe that providing meaningful academic advisement, opportunities for authentic research experiences and effective mentoring from STEM faculty will support learning and enhance effective recruitment, enrollment, retention, and graduation of students in the STEM disciplines.



Dr. Sherrice Allen, Director CPSER, assist local high school students in the laboratory during a Math/Science Education Center, Pre-college workshop.



FSU science students conducting research.

Center Activities

1. Five-week High School Rising Senior Summer Research Internship

- 5-week research internship
- Intensive SAT/ACT prep
- STEM career workshops
- Field trip to research laboratories
- Inquiry instruction in advanced algebra & geometry
- Instruction in reading/writing using a service learning approach

2. Spring STEM Undergraduate Research Exposition

- Presentations by STEM enrichment program scholars
- Keynote address by a “Distinguished Scientist “ in a STEM discipline

3. STEM Faculty Focus Group

- Monthly interactive meetings to discuss “Best Practices” to promote teaching, learning, & research in STEM disciplines
- “Best Practices” implementation workshops for teaching, learning & research in STEM disciplines

