Peach State Louis Stokes Alliance for Minority Participation:

STEM Mentoring

Office of STEM Education
2017 STEM Institute
Georgia Center for Continuing Education
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Office of Institutional Diversity
What Does Mentoring Mean to You?
The Role of Mentoring

- A relationship of trust
- more experienced or more knowledgeable person helps to guide a less experienced or less knowledgeable person.
- It changes throughout the process
Peach State LSAMP

National Science Foundation ▪ The University of Georgia ▪ Georgia Perimeter College ▪ Georgia Institute of Technology ▪ Fort Valley State University ▪ Kennesaw State University - Kennesaw Campus ▪ Kennesaw State University - Marietta Campus (formerly Southern Polytechnic State University) ▪ Savannah State University

Peach State Louis Stokes Alliance for Minority Participation

Fort Valley State University

University of Georgia

Institutional Diversity

Georgia Tech

Kennesaw Campus

Marietta Campus

(formerly Southern Polytechnic State University)
The LSAMP Model

Key Areas of Focus

• Recruitment
• Retention
• Research
Peach State LSAMP Programming

<table>
<thead>
<tr>
<th>Programs</th>
<th>FVSU</th>
<th>GPC</th>
<th>GT</th>
<th>KSUK</th>
<th>SSU</th>
<th>KSUM</th>
<th>UGA</th>
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<tbody>
<tr>
<td>Summer Bridge Programs (Incoming 1st Year Students or Transfer)</td>
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<td>Summer Research Program (including research internships)</td>
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<td>Monthly Meetings and Workshops</td>
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<td>GRE &amp; Graduate School Preparation Workshops</td>
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<td>Faculty Mentoring Program</td>
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<td>Peer Mentoring Program</td>
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<td>STEM Course Tutoring Services</td>
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<td>Advisement and academic planning</td>
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<td>Peer Tutoring and Study Groups</td>
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<td>Service Learning and K-12 STEM Outreach</td>
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<td>Travel to professional conferences (NSBE, ABRCMS, ERN, SREB, etc.)</td>
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## Winning Peach State LSAMP Practices

<table>
<thead>
<tr>
<th>Institution</th>
<th>Program/Programs</th>
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<tbody>
<tr>
<td>Fort Valley State University (FVSU)</td>
<td>Faculty Mentoring Program</td>
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<tr>
<td>Georgia Institute of Technology (GT)</td>
<td>Peer Mentoring Program and SURE Program</td>
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<tr>
<td>Georgia State University Perimeter College (GPC)</td>
<td>Transfer Bridge and Math/Science Boot Camps</td>
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<tr>
<td>Kennesaw State University Kennesaw Campus (KSUK)</td>
<td>STEM Scholar Executive Board</td>
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<tr>
<td>Savannah State University (SSU)</td>
<td>Student Research Program</td>
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<tr>
<td>Kennesaw State University Marietta Campus (KSUM, formerly SPSU)</td>
<td>Journey to Success Seminar Series and Summer Research Program</td>
</tr>
<tr>
<td>The University of Georgia (UGA)</td>
<td>First Year Student Bridge Program and Faculty-Student Mixer</td>
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</table>
• Dramatically improves the first year retention rates of transfer students, improves satisfaction, commitment and involvement in major, increases chances of becoming a mentor.
• URM students feel less isolation, greater sense of community, higher level of confidence.

MENTORS chosen based on their leadership skills, resume, and academic performance

MENTORS matched with 2-5 mentees in their same major

MENTORS re-evaluated at the end of each academic year
PEER MENTORING PROGRAM
SELECTION CRITERIA

Mentors:
- Junior or senior level students
- Any full time student in the Colleges of engineering, sciences and computing
- Minimum of a 3.2 cumulative GPA
- $1200 stipend/semester

Mentees:
- Any full time student in the Colleges of engineering, sciences, and computing
- Minimum of a 2.5 cumulative GPA
- $600 stipend/semester
PEER MENTORING PROGRAM
EXPECTATIONS

• Academic support, social support and exposure to campus resources

• Host one in person meeting with their mentees/ semester

  • Check-in with mentees at the end of each monthly meeting

• Monthly report that is sent to the Program Manager

• All students sign a contract at the beginning of the academic year
SAMPLE WORKSHOP

- Course advising session

- Each fall and spring semester

- Group advising based on major

- Laptops to look up course requirements, professors, and sections to take

- Small cohort and create study groups

- Summer planning
SUMMER UNDERGRADUATE RESEARCH EXPERIENCE IN ENGINEERING/SCIENCES

• 10-week summer research program for qualified minority students.

• 500 attendees over past two decades.

• Dr. Gary May, COE Dean, original PI.

• Stipend, on campus housing, meals, and travel reimbursement.

• Paired with a graduate student mentor and faculty advisor to develop research project.

• Weekly technical talks, professional development seminars, and social excursions.

• Funding for national research conferences.
Faculty and Student Mixer
Building Bridges Summer Institute
Building Bridges Summer Institute
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Research
Building Bridges Summer Institute
Building Bridges Summer Institute
Building Bridges Summer Institute
More Than a Decade of Excellence in STEM

Highlights from 2015 Conference