Southeast Regional Meeting on Upper-Division Math Pathways
Morehouse College
Bank of America Auditorium
Shirley A. Massey Executive Conference Center
June 10-11, 2019

Objectives

This meeting will focus on developing math pathways for undergraduate students at the upper-division level to respond to regional workforce needs and for graduate school preparation. Participants will

- enhance their understanding of evolving career opportunities for mathematics graduates, interacting with and learning from representatives of business, industry and government (the BIG jobs);
- enhance their knowledge of expectations of mathematical sciences graduate programs;
- explore aspects of upper-division mathematics pathways - updating curricula and programs, soliciting resources and support, forming partnerships - as relevant to their own institutions' characteristics and missions.

Agenda

Monday, June 10

8:30-9:00  REGISTRATION, COFFEE AND INFORMAL MINGLING

9:00-9:45  Welcome – David Thomas, President, Morehouse College; Duane Cooper, Math Department Chair, Morehouse College; Naiomi Cameron, Vice President, National Association of Mathematicians (NAM)

About TPSE Math and Upper-Division Pathways – Tara Holm, TPSE Math and Suzanne Weekes, Worcester Polytechnic Institute

9:45-11:00 Alumni Panel
Moderator: Nathan Alexander, Morehouse College
William Dula (Morehouse) Clark Atlanta University & Southern Company
Dorian Kandi (Morehouse), Federal Home Loan Bank of Atlanta
Travell Williams (Morehouse), Analytics Specialist, Delta Airlines
Zerotti Woods (Morehouse), University of Georgia
Asia Wyatt (Spelman College), University of Maryland

11:00-11:30  BREAK

11:30-1:00 Student Success Panel: preparing students for BIG jobs or grad school
Moderator: Renee Moore, Emory University
- Business: Travell Williams, Delta Airlines
- Industry: William Cousins, Senior Data Scientist, Tampa Bay Rays
- Government: Darius McDaniel, CDC/Emory
- Grad school: Malcolm Adams, University of Georgia
- Grad school: Prasad Tetali, Georgia Tech
1:00-2:00  **LUNCH**

2:00-3:15  **Panel on Approaches to Program Development**
Moderator: *Asamoah Nkwanta*, Morgan State University
- *Bree Ettinger*, Emory University
- *Tor Kwembe*, Jackson State University
- *Rachel Levy*, Mathematical Association of America
- *Chuang Peng*, Morehouse College

3:15-3:30  **Introduction to Breakout Sessions** – *Monette McIver*, Dana Center

3:30-3:45  **BREAK**

**BREAKOUT SESSION 1**

3:45-5:15  **TOPICS** *(each participant will be pre-assigned to one topic):*
- **Curricular Change in Math Departments**: “selling” new ideas within the department; processes, obstacles, opportunities
  Facilitators: *Joe Omojola & Bill Velez*
- **Building External and Internal Support**: administrations, boards, alumni, funders, employers
  Facilitators: *Tasha Inniss & Bourama Toni*
- **Program Design**: courses, minors, certificates; content and pedagogical challenges; understanding graduate school and industry needs
  Facilitators: *Brittany Mosby & Suzanne Wekes*

6:00-8:30  **RECEPTION AND DINNER**, Paschal’s, 180 Northside Drive SW, Atlanta

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**Tuesday, June 11**

8:00-8:30  **COFFEE AND INFORMAL MINGLING**

8:30-9:15  **Presentation on Data and Research to Inform Decision-Making**
*Heather McKay*, Director & *Renée Edwards*, Senior Researcher, Education and Employment Research Center, Rutgers University

**BREAKOUT SESSION 2**

9:30-11:00  **Topics and facilitators will be the same as in Breakout Session 1.**
*Participants may remain in their initial group or select a different one.*

**SHARING AND SYNTHESIS**

11:00-11:15  **Preparation for Gallery Walk; REFRESHMENTS AVAILABLE**

11:15-12:15  **Gallery Walk, Sharing and Synthesis**

12:15-12:30  **Closing remarks** – *Brit Kirwan*, TPSE Math