

Description of 2023 Field of Dreams

Panels, Guided Conversations, and Workshops

Panel #1: Interviewing a Graduate School

Friday, November 3, 9:00am - 9:50am

In this panel we focus on how students should interview a prospective graduate school. This will include information on what questions one should ask before applying to specific graduate schools, including questions related to how graduate students are funded, what research opportunities are available, and what support systems the program has in place. The goal of this panel is to better prepare students to decide whether a graduate program is a good fit for them.

- Panelists:
- Moderator:

Panel #2: Maximizing Productivity during Graduate School

Friday, November 3, 9:00am - 9:50am

Graduate school requires one to balance learning immense amounts of material in a short period of time, while teaching courses, and producing research - sometimes even while having a family. In this session panelists discuss their tried-and-true techniques for maximizing productivity in order to complete and excel in a graduate program. Panelists:

- Panelists:
- Moderator:

Guided Conversation #1A: Policies for Successful Undergraduate Programs - Minority Mentoring & Retention

Friday, November 3, 9:00am - 9:50am

The purpose of this guided conversation is to explore strategies like diverse recruitment, structured mentorship, inclusive curriculum, and community building that drive successful undergraduate programs by focusing on minority recruitment and onboarding. We will particularly brainstorm how faculty can help with successful recruitment in the wake of the recent Supreme Court decision which limits how admissions officers can consider race in their decision making.

- Moderator:

Guided Conversation #1B: Policies for Successful Graduate Programs - Minority Mentoring & Retention

Friday, November 3, 9:00am - 9:50am

The purpose of this guided conversation is to explore strategies like diverse recruitment, structured mentorship, inclusive curriculum, and community building that drive successful graduate programs by focusing on minority recruitment and onboarding. We will particularly brainstorm how faculty can help with successful recruitment in the wake of the recent Supreme Court decision which limits how admissions officers can consider race in their decision making.

- Moderator:

Panel #3: Careers in Government and Industry

Friday, November 3, 10:00am - 10:50am

Panelists will discuss the many different opportunities available to PhDs in the mathematical sciences. This panel is geared for all Math Alliance scholars.

- Panelists:
- Moderator:

Guided Conversation #2: Supporting Minority Mentoring & Recruitment Across the Continuum

Friday, November 3, 10:00am - 10:50am

The purpose of these guided conversations is to explore strategies for helping with retention of students, particularly from underrepresented groups, in math science programs.

- Moderator:

Panel #4: Fields of Success

Friday, November 3, 11:00 AM-12:00 PM

Math Alliance Scholar doctorates discuss how the Math Alliance has influenced their careers.

- Panelists:
- Moderator:

Panel #5: The Value of Undergraduate Research Experience

Friday, November 3, 2:00 PM-3:00 PM

Summer internships are a great way to learn more about the climate and culture of graduate school. This panel will discuss the concept of a Research Experience for Undergraduates and how to gain admission to one. This panel is geared for undergraduates, especially sophomores and juniors.

- Panelists:
- Moderator:

Workshop #1: Grant Opportunities

Saturday, November 4, 9:00 AM- 9:50 AM

Grant opportunities for building diverse mathematical communities. A discussion of S-STEM, HSI, and EPSCOR.

- Moderator:

Panel #6: Paths to the Doctorate

Saturday, November 4, 9:00 AM- 9:50 AM

As a graduating senior you are faced with many choices when it comes to selecting a graduate program. Should you enter a doctoral program, select a Master's program or one of the new post baccalaureate programs before entering a doctoral program? How will you know which program is the best fit for you? How do you succeed in a math science graduate program? Our panelists, all of them faculty in the mathematical sciences, will address these questions. This panel is geared for undergrad scholars.

- Panelists:
- Moderator:

Panel #7: Preparing for your first professional position

Saturday, November 4, 9:00 AM- 9:50 AM

Each of the various positions in the mathematical sciences professions requires special skills and training. Our panelists will discuss ways in which you can gain these qualifications while in graduate school. This panel is geared for graduate students and faculty.

- Panelists:
- Moderator:

Panel #8: FGAP Mentoring

Saturday, November 4, 10:00 AM- 10:50 AM

This panel will discuss FGAP mentors' experiences with the program, review useful resources for FGAP mentors, and describe the results of recent surveys to FGAP mentors. Faculty who are FGAP mentors or who have had students participate in the program are invited to come and give feedback. Those who might be interested in becoming FGAP mentors, or nominating FGAP students are encouraged to attend and learn more about the process.

- Panelists:
- Moderator:

Panel #9: Getting into a PhD Program

Saturday, November 4, 10:00 AM- 10:50 AM

What does it take to get into a PhD program? What's included in a typical application? How do requirements vary by type of program? How can you best represent your strengths in your application? Our panel of professors from a variety of schools will offer information and advice based on their experience selecting students for their own graduate programs. This panel is primarily intended for undergraduate scholars.

- Panelists:
- Moderator:

Panel #10: The Doctoral Experience

Saturday, November 4, 2:00 PM- 3:30 PM

This panel will give best practices on how to succeed in a doctoral program in the mathematical sciences. This panel is geared for predoctoral and doctoral students. Math Alliance graduate students will tell their stories, the good and the bad. This panel is open to Math Alliance scholars only.

- Panelists:
- Moderator:

Workshop #2: Preparing Professional Documents

Saturday, November 4, 2:00 PM- 3:00 PM

This workshop will separate participants into two groups: Group 1 will include participants who have not yet created these types of documents and Group 2 will consist of participants who have samples of such documents. Group 1 participants will have a panel discussion on how to craft professional documents including a CV and statements of intent, research, and teaching. Group 2 will consist of short meetings with mentors who will give feedback on participants' professional documents. Note for Group 2 participants: Students - bring printed copies of your professional documents; faculty- please attend and provide insightful reviews.

Moderator: