



# Designing Mathematics Pathways

A workshop hosted by the  
**Ohio Department of Higher Education**

Presented by the  
**Charles A. Dana Center**

The Charles A. Dana Center has been working with colleges across the country through the New Mathways Project to implement pathways that enable students to learn meaningful and rigorous mathematics content and complete mathematics requirements more quickly. This workshop will help faculty and administrators plan for all aspects of designing and implementing mathematics pathways.

## **WHO SHOULD ATTEND?**

Colleges and universities that are starting to design pathways or that are working to build small-scale efforts will benefit from the workshop. We encourage colleges to send at least two mathematics faculty members representing both developmental and gateway mathematics programs and an administrator such as a dean who oversees mathematics programs and has the authority to support cross-institutional work. Mathematics faculty should attend both days. Administrators are invited to attend both days or may select to attend only on day 2.

## **WHAT CAN YOU EXPECT?**

The workshop will be highly interactive with a balance between information sharing and collaborative problem-solving and strategizing. Participants will learn about tools and resources from the Dana Center and other sources. A follow-up webinar will be held to address follow-up questions.

Participants will...

- Understand how local work on mathematics pathways connects to state and national trends.
- Identify and discuss key issues in the process of designing mathematics pathways including:
  - Mathematics content, pedagogy and curriculum design
  - Course structures
  - Student and faculty supports
- Develop strategies to address common challenges in implementation including communications, advising and transfer;
- Identify important implementation milestones for their institution;
- Define action items based on the issues and strategies identified in the workshop.