



Florida Student Success Center Webinar: Mathematics Pathways & Workgroups

Please join us by phone: 1-877-568-4108 Access code: 778 356 867

August 29, 2018



Webinar Logistics:

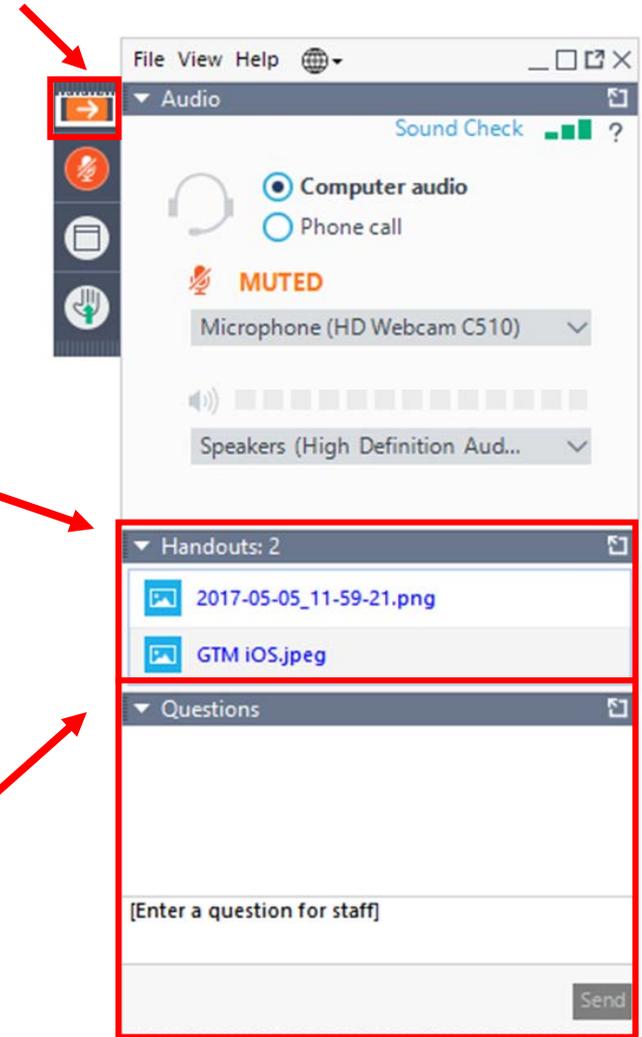
Participants will be on mute for the duration of the webinar.

Material from today's webinar:

In the handouts area you will find a copy of today's presentation.

How to submit questions:

To submit questions during the webinar, please utilize the Questions function. During the Q&A portion of the webinar, questions will be addressed.



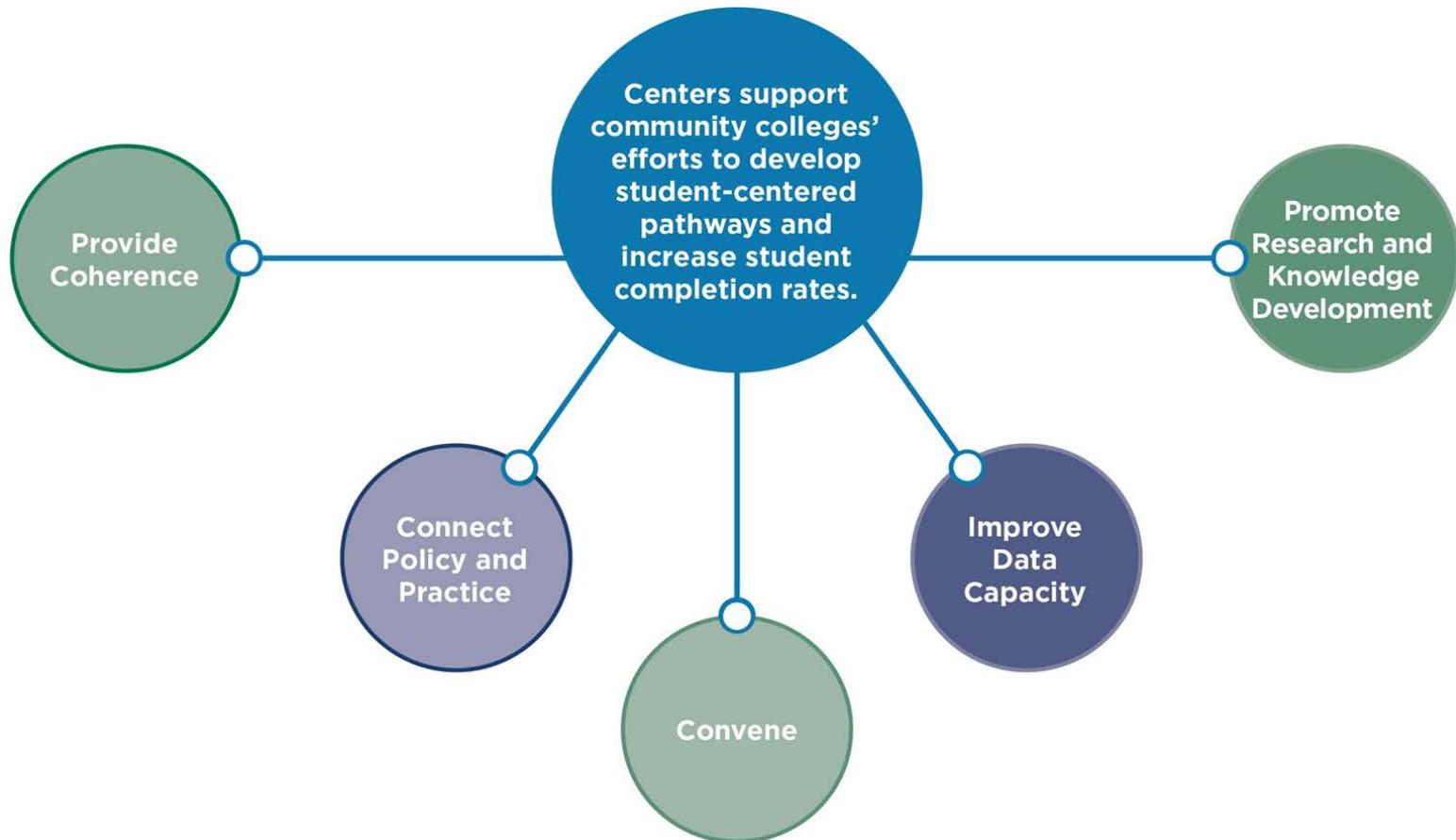
Our Role and Vision

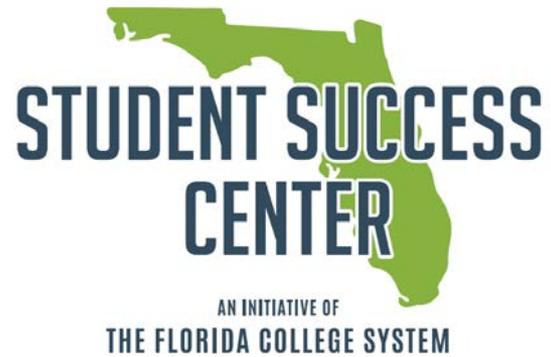
- The role of the Florida Student Success Center is to support institutional initiatives that improve college completion rates and promote student success.
- The vision of the Florida Student Success Center is to *serve as a resource of evidence-based, innovative practices and timely information for colleges.*

What Are Student Success Centers

- A statewide organization that supports community colleges' efforts to develop **student-centered pathways** and increase student **completion rates**
- Help colleges **align priorities**, integrate **student success efforts**, **maximize resources** and present a **collective voice** of practitioners in policy discussions
- Part of a national network and learning community promoting **best practices, peer collaboration and professional development**

The Role of Statewide Student Success Centers





Mathematics Workgroups

Charge, Values & Deliverables

Charge

Explore complex issues surrounding mathematics pathways to prepare: high school students for transition into Florida College System institutions; Florida College System students for success in gateway courses aligned to their programs; and Florida College System students for transition into four-year universities.

Guiding Values

Transparency, collaboration, respect, diversity, evidence-based inquiry

Deliverables

- 1) Cataloging evidence-based best practices designed for scale
- 2) Developing recommendations for state policy and institutional policy and practice around mathematics re-design

Mathematics Workgroups

High School to Postsecondary Alignment

Explore how high school curriculum in mathematics aligns with postsecondary expectations

- Clarify college entrance-requirements alignment with high school assessments and courses
- Examine longitudinal student data on mathematics sequencing and student success rates
- Engage high school and college mathematics faculty in dialogue about postsecondary expectations
- Identify strategies that promote greater alignment

FCS Mathematics Sequences

Examine multiple pathways for students to enter based on programs of study as well as the re-design of course structures to maximize support for students

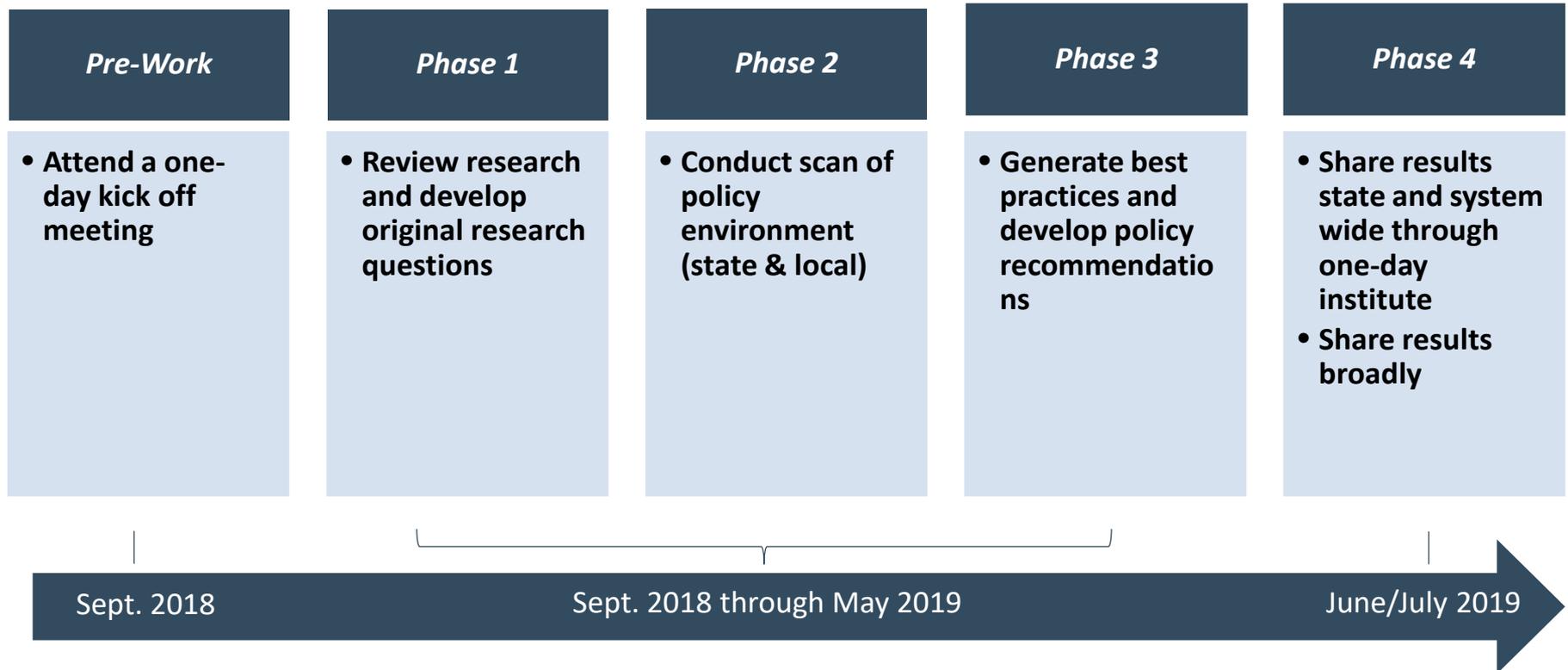
- Identify course and institutional structures that promote and deter success
- Encourage the modernization of mathematics content
- Review data on student success across algebra and non-algebra pathways
- Identify a sequence of courses in the context of a student's intended transfer major/meta-major

FCS to University Alignment

Examine how FCS curriculum in mathematics aligns with university expectations, particularly for students in transfer programs

- Clarify university mathematics requirements
- Examine the longitudinal student data on mathematics sequencing and student success rates
- Engage FCS and SUS mathematics faculty in dialogue about postsecondary expectations
- Identify strategies that promote greater alignment

Activities & Timeline



Workgroup Participants

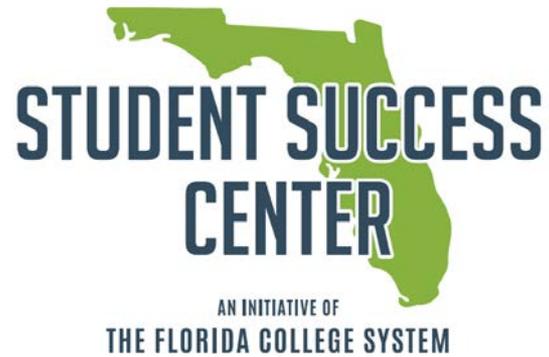
- Share **expertise, skills and insight** with a statewide network of experts in mathematics
- Receive opportunities for ongoing **professional development** and **networking** to increase Florida's understanding of mathematics alignment and **informing best practices and state policy**

Workgroup Roles & Resources

- **Staff Liaison** – FLDOE staff members who will connect workgroups with technical assistance, document the work, etc.
- **Chairperson(s)** – College faculty member who will lead the workgroups
- **Members** – ~24 faculty and administrators per workgroup representing the FCS, K-12 and universities (where appropriate) who will conduct the work. ~35 members at-large who will engage through newsletters and webinars and submit feedback in the collection of best practices and policy recommendations.
- **Subject Matter Experts** – SME's who will provide research and policy background information to inform the workgroups in phases 1-2

Workgroup Expectations

September 2018	Attend an in-person one-day orientation and kick-off meeting
September 2018 – May 2019	Participate and engage in monthly virtual meetings
June 2019	Attend an in-person one day institute in June 2019
Monthly Activities	Engage in readings, research and other related activities contributing to workgroup roles and responsibilities (Estimated 6-8 hours per month)



Mathematics Resources

www.floridacollegesystem.com

The Florida COLLEGE SYSTEM

Quick Links Search Go »

Home Colleges Students Student Success Center Resources News & Events Foundation

Home » Student Success Center » Guided Pathways

- Success Center Role Pathways
- Advisory Board
- Funders and Partners
- Guided Pathways
- Resources and Data
- Newsletters

STUDENT SUCCESS CENTER
AN INITIATIVE OF THE FLORIDA COLLEGE SYSTEM

Guided Pathways

The following outlined resources are to help Florida College System institutions explore implementing guided pathways and mathematics pathways redesign. This section includes guided pathways information from the American Association of Community Colleges (AACC) Guided Pathways Project, Community College Research Center and Florida College System institutions participating in the AACC Guided Pathways

Resources

Mathematics Pathways Resources

- **[Dana Center Mathematics Pathways Implementation Guide](#)**: An interactive resource that applies the guided pathways work to implementing and scaling mathematics pathways based on the Dana Center Mathematics Pathways model. The guide walks faculty and staff through the four stages of implementation from getting started, planning, implementing and continuous improvement.
- **[Dana Center Mathematics Pathways - Strategies and Considerations for Co-requisite Supports](#)**: This resource outlines considerations for discussion among mathematics faculty, advisors, administrators, and financial aid staff as institutions design co-requisite model(s) that best serve their institution and its students.
- **[Cuyumaca College's Leading the Way on Transforming Remediation](#)**: This report highlights Cuyumaca College's efforts to address issues with remediation since 2010. Three changes frame the college's work including recognizing students' high school work in course placement, replacing one-size-fits-all remedial courses with math pathways and teaching math through active strategies.
- **[Complete College America - Co-Requisite Remediation: Spanning the Completion Divide](#)**: A 2016 Complete College America report highlighting the impact of co-requisite remediation work on student success in Georgia, West Virginia, Tennessee, Indiana, and Colorado. The report also provides a blueprint for colleges to build their own co-requisite remediation program based on six identified pillars.

Resources

Mathematics Workgroups

The role of the Florida Student Success Center is to support institutional initiatives that improve college completion rates and promote student success. Mathematics pathways redesign and content alignment is a primary initiative of the Florida Student Success Center to increase student success rates. To achieve this goal, mathematics and statistics faculty, administrators and key stakeholders will participate in inter-connected workgroups to align mathematics content and pathways that best prepare students for their intended academic and career goals.

Workgroups' Charge, Values & Deliverables



Charge

Explore complex issues surrounding mathematics pathways to prepare: high school students for transition into FCS institutions; FCS students for



Guiding Values

- . Transparency
- . Collaboration
- . Respect
- . Diversity



Deliverables

- 1) Cataloging evidence-based best practices designed for scale
- 2) Developing recommendations

Resources

Mathematics Pathways Resources

- **Center for Postsecondary Success-Mathematics Pathways in the Florida College System:** A recent Center for Postsecondary Success report (February 2018) investigated math pathways by examining Associate in Arts (AA) students' course taking behavior and success in Intermediate Algebra (MAT1033) and College Algebra (MAC1105), as well as their degree completion in the Florida College System. The report did not find evidence that taking MAT1033 as a prerequisite to MAC1105 increased the likelihood of passing the gateway course (MAC1105), and for some students taking MAT1033 as a prerequisite may actually decrease the likelihood of passing the gateway course. Further, the report found that enrolling in MAT1033 was associated with a lower likelihood of earning a degree within two years, a result of additional coursework beyond the minimum AA requirements.
- **Florida College System Mathematics Workgroups:** The role of the Florida Student Success Center is to support institutional initiatives that improve college completion rates and promote student success. Mathematics pathways redesign and content alignment is a primary initiative in 2018-2019. The mathematics workgroups resource provides a framework of the three inter-connected workgroups who will focus on 1) high school to postsecondary mathematics alignment, 2) Florida College System mathematics alignment and 3) Florida College System to university mathematics alignment. The workgroups will collaborate to identify current challenges in mathematics pathways and develop policy and practice recommendations to improve student achievement across education systems.

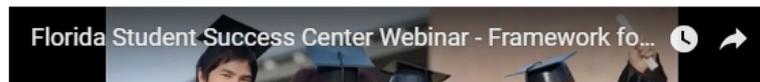
Mathematics Newsletters

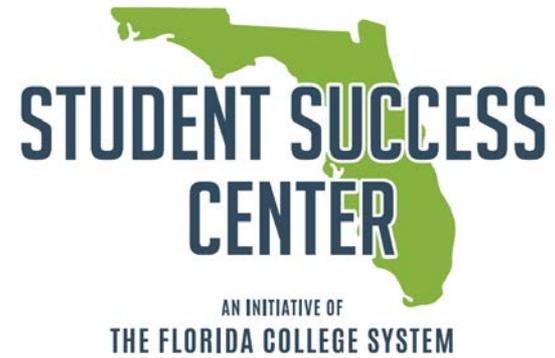
April 2018



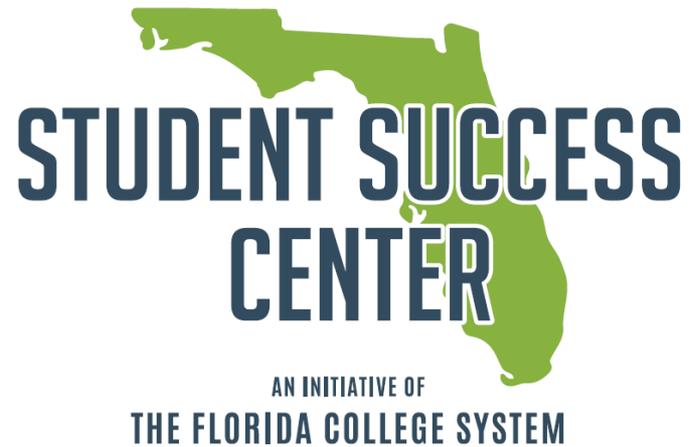
Mathematics Webinars

- **Florida Student Success Center Webinar: Mathematics Workgroups - June 14, 2018**





Q & A



www.floridacollegesystem.com

