



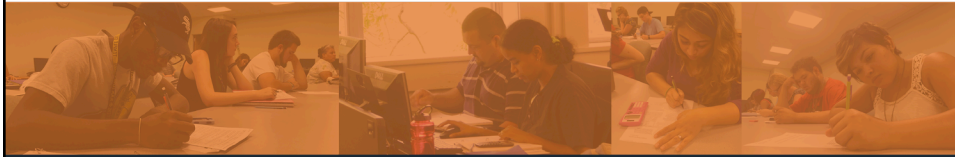
The University of Texas at Austin
Charles A. Dana Center

Seizing the Opportunity for College Readiness Through HB 5

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About the Dana Center

— Equity — Access — Excellence —

2019



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Dana Center by the Numbers

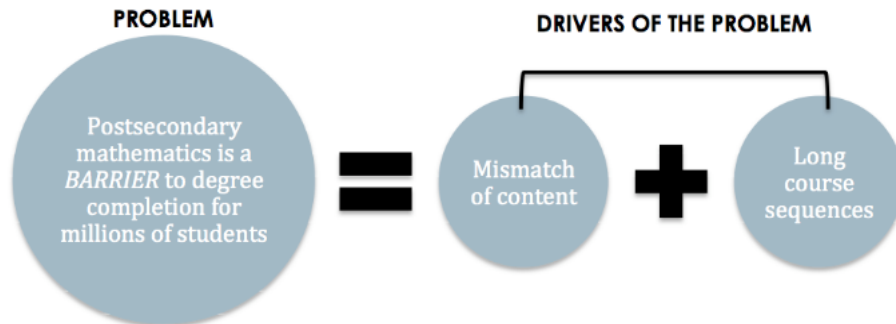


Major grant received from the Bill & Melinda Gates Foundation for our **Launch Years initiative**, which aims to improve student success in high school mathematics.

Session outcomes

- **Study the requirements and intent for offering a college-prep math course**
- **Develop a process for implementing or improving a transition course**
- **Explore a recommended curriculum framework developed by the Texas Success Center**

Drivers that create barriers for students in college



A growing body of evidence identifies traditional postsecondary mathematics as a primary barrier to degree completion and equitable outcomes for millions of students.

Charles A. Dana Center. (2016). *DCMP Call to action: The case for mathematics pathways*. Austin, TX: Author.

<https://dcmathpathways.org/sites/default/files/resources/2016-11/The Case for Mathematics Pathways.pdf>

HE: House Bill 2223

- **Requires a certain percentage of underprepared students enrolled in developmental education to move into a corequisite model**

The guiding principle of the corequisite model is to meet students where they are academically and provide them with the content and strategies they need to succeed in their college-level courses.

K-12: House Bill 5

- **Foundation High School Program**
- **Endorsements**
- **EOC in math: Algebra I**
- **Accountability**
 - Includes TSI, Post-secondary credits, industry certifications
- **College Readiness**
 - Districts must partner with an IHE to develop a College Prep Math Course

HB 5 College Prep Math Course

- **Required to be offered within every district**
- **Must be developed in partnership between K12 district and IHE**
- **Designed for seniors who are not deemed college ready**
- **Districts are required to notify students and parents of a student's eligibility**
- **Earns a 4th math credit for students**
- **Successful completion allows students to enter credit bearing math course at partnering college**

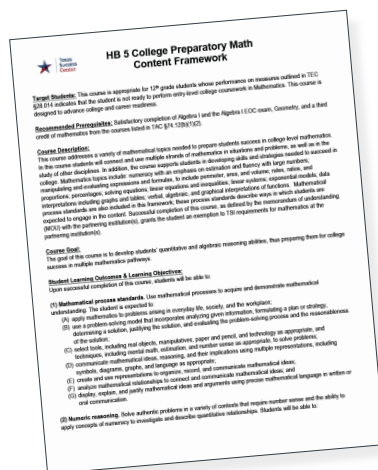
Texas Success Center Leadership

Providing guidance and coherence in implementation

- Charged statewide mathematics task force of K12 and Higher Education Mathematics leaders with creating a framework for the College Prep math course to prepare students for enrollment in *any* entry-level college math course, *including*, but not limited to, College Algebra
- Subjected the framework to public review, comment, and revision
- In 2014, released recommendations for districts and institutions of higher education to consider

Anatomy of the Framework

Understanding the architecture and content



College Prep Math Framework

- Organized around student learning goals and objectives
- Reflects modern mathematics
 - Applying mathematical processes
 - Numeric reasoning
 - Proportional reasoning
 - Algebraic reasoning
 - Probabilistic reasoning
 - Quantitative reasoning

Social Emotional and Academic Development (SEAD)

“Research shows that one of the biggest predictors of a student’s success in mathematics is his or her degree of Productive Persistence, a combination of learning mindsets and skills.”

A Mind at Work: Maximizing the Relationship Between Mindset and Student Success,
Center for Community College Student Engagement, 2019

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