

# Enhancing student success in online gateway courses through embedded tutoring.

Presented by:  
Dr. Erasmus Addae

# Overview



# Austin Community College

Founded

**1973**

Total Annual Enrollment

**70000+**

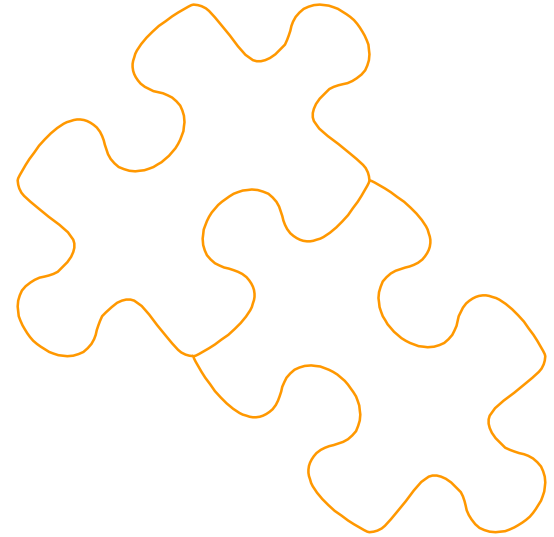
Campuses

**12**

**HSI**

Online Students

**18000**





## Embedded Tutoring At A Glance

- A Form of supplemental instruction (SI) in which the tutor is enrolled (embedded) in the LMS and specific course sections with students
- Developed in 1973 by Deanna Martin
- University of Missouri-Kansas
- Practiced in the hybrid, online, and face-to-face classroom environments
- Model asking important questions during a class lecture
- Assist students during group activities
- Collaborate with the course instructor to support students during group and individual tutoring sessions outside of regular class time



## Online Embedded Tutors/Roles

- Participate in online discussions
- Model discussion posts
- Model engagement with peers in online discussions
- Provided one-on-one/group tutoring
- Meet with students synchronously or asynchronously
- Available to students outside class times
- Meet with study groups to provide additional support and explain difficult concepts

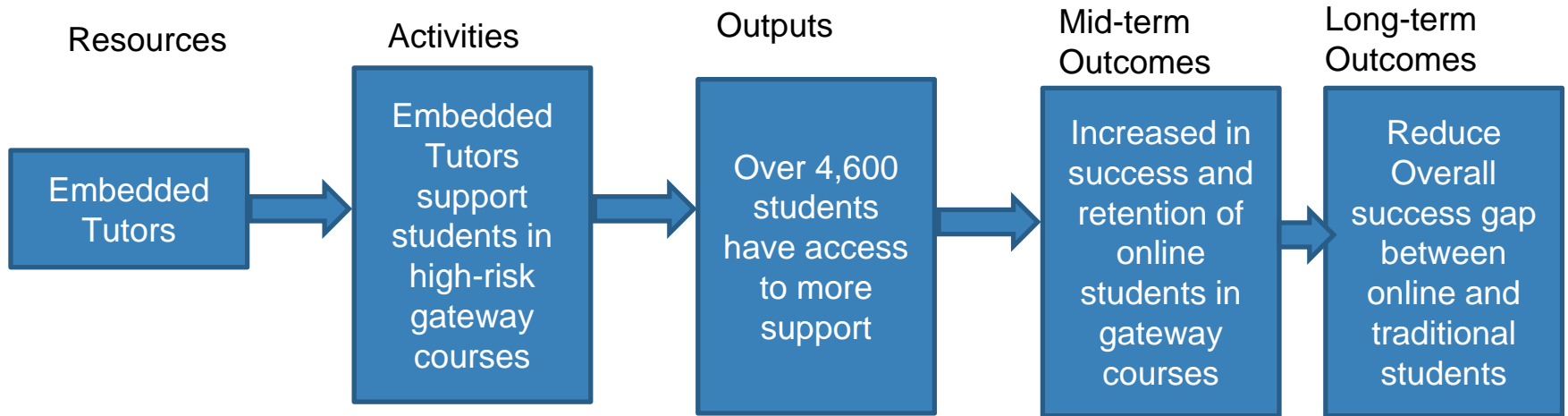


## Objective Of Embedded Tutoring

- Target gateway courses
- Improve understanding of course material that will lead to:
  - ▷ Improved grades, increased retention, and graduation rates
  - ▷ Build a learning community of students for engagement
  - ▷ Promote critical thinking
  - ▷ Enhance positive study habits



# Embedded Tutoring Logic Model



# How Does Embedded Tutoring Differ From Traditional Tutoring?

## Embedded Tutor

- ▶ Focuses on content in a designated course section
- ▶ Participates in class activities with students
- ▶ The tutor is proactive in reaching out to students
- ▶ Creates exam review activities based on course materials and discussions with instructor
- ▶ May hold sessions based upon students' availability
- ▶ Works in group settings
- ▶ Collaborate with the course instructor

## Traditional Tutor

- ▶ May focus on the subject matter and on a designated course section
- ▶ Does not participate in class activities with students
- ▶ Is not proactive and
- ▶ Does not create exam reviews
- ▶ Holds sessions by appointment or walk-in
- ▶ Conducted in one-on-one setting
- ▶ Does not collaborate with instructor





## Who Are ACC Embedded Tutors?

- Full-time/Hourly
- Adjuncts/Current Graduate students
- Must be trained in:
  - ▷ Customer service
  - ▷ Title IX
  - ▷ FERPA
  - ▷ Blackboard
  - ▷ Brainfuse (Tutoring Platform)
- Managed by the Manager of Online Learning Labs

# Methods



## Procedure For Assigning An Embedded Tutor

- Hired by Online Learning Lab Manager
- Complete required training
- Enrolled in assigned course

## Faculty Responsibilities in Embedded Tutoring Program

- Introduce tutor to students on first day of class
- Provide frequent low-stakes exams in course
- Direct tutors to work with identified group of students



# Assessments

## ■ Qualitative

- ▶ Faculty Surveys
- ▶ Student Surveys
- ▶ Tutor Survey

## ■ Quantitative

- ▶ Pass Rate comparison by demographics
- ▶ Attendance rate



## Impact On Students

- Short Term
- We are able to provide tutoring to over 2,000 students
- Improved students outcomes
- African-American and Hispanic male students success grades increased from 27% to 38% and 29% to 39%.
- Overall success has increased from 64% to 68%

# Lessons Learned

## ■ Embedded Tutoring

- ▶ Brings help to students
- ▶ Enhances student engagement
- ▶ Better performance
- ▶ Results have been good that we were awarded \$2.7million grant HSI to hire more tutors



**Thank You.  
Questions.**