

Trenholm State Community College Quality Enhancement Plan



“Raising the Bar for Math Success”

Executive Summary

The Trenholm State Community College Quality Enhancement Plan (QEP) focuses on enhancing student learning and success in developmental mathematics. More specifically, *Raising the Bar for Math Success* evolved from an analysis of institutional data and performance trends, stakeholder surveys, strategic plan, planning reports, and a literature review.

Raising the Bar for Math Success will meet the needs of developmental math students and move them successfully through remediation not only faster, but prepared to succeed in college-level coursework. The QEP goals and student learning outcomes will serve as the foundation for assessing the impact of the QEP implementation strategies.

Raising the Bar for Math Success Goals	
Goal 1:	Decrease the percentage of students placing into developmental mathematics by providing intervention activities prior to enrollment
Goal 2:	For students who place in developmental mathematics, increase the percentage of students enrolled in developmental mathematics during their first semester
Goal 3:	Increase success rates of students participating in developmental mathematics
Goal 4:	Increase retention of students participating in developmental mathematics
Goal 5:	Increase the percentage of students completing developmental mathematics who successfully complete the program capstone course (MTH100 or higher) within one year
Course-Specific Student Learning Outcomes	
Course	Student Learning Outcomes
MTH098 Elementary Algebra	<ul style="list-style-type: none"> • 70% of students will demonstrate the ability to solve mathematical problems involving real numbers • 70% of students will demonstrate the ability to solve problems involving linear equations and inequalities in one variable • 70% of students will demonstrate the ability to solve a variety of problems related to graphing and writing linear equations in two variables • 70% of students will demonstrate the ability to solve systems of equations in two variables using a variety of methods

To achieve the QEP goals, several strategies will be implemented, such as a math boot camp to provide math instruction before students take the math placement assessment, provide professional development for math faculty; redesign of the developmental math curriculum and instructional delivery methodologies (i.e., Math Emporium model), and use primarily full-time instructors to teach development math.

Trenholm State expects that through the QEP, data collection will demonstrate a decrease in the number of students taking developmental math, improve success rates for students enrolled in developmental math and capstone math courses, improve developmental math competencies and provide a positive experience for students in math courses.

For additional information about the QEP, contact Dr. Nakia Robinson, Dean of Instruction at nrobinson@trenholmstate.edu