

**AUBURN UNIVERSITY AT MONTGOMERY
QUALITY ENHANCEMENT PLAN**



Helping Students Succeed in Math Courses

AUM

**AUBURN UNIVERSITY
AT MONTGOMERY**

**AUM Mathematics Pathways Success Initiative: Helping
Students Succeed in Math Courses
On-Site Visit: March 6-8, 2018**

Executive Summary

The overall goals of AUM's QEP are: **Goal 1:** Decrease the DFW rates in all developmental math courses and core math courses; **Goal 2:** Decrease the number of students enrolled in remedial mathematics courses; and **Goal 3:** Increase the retention rate of all remedial math students. The Student Learning Outcomes are: **SLO1:** Students completing the remedial mathematics program will succeed in a core mathematics course; **SLO2:** Students enrolled in mathematics courses will be able to demonstrate an increase in math skills; **SLO3:** Student anxiety relating to mathematics will be minimized.

AUM has high DFW rates in its developmental and core math courses and AUM retains its remedial students at a low rate. The QEP is designed to address these issues and help students, at higher rates, become competent in college-level mathematics. To achieve these goals, AUM plans to implement the innovative Dana Center Math Pathways model for developmental and core math success. The model has been successfully implemented in several states including Texas, Oklahoma, Washington, Missouri, and Ohio. The proposed model will assess students' math background and need for remediation prior to students enrolling in mathematics courses. Non-course based options (NCBOs) that emphasize sophisticated assessment based individualized training modules and one-on-one tutoring will be implemented to allow students to quickly remediate their math skills so that they can be placed into math core classes. In particular NCBOs will be in place that allow for students to focus only on certain areas where remediation is needed. They will be tailored to students' needs, which is preferable to asking students to sit through an entire semester of remediation when they might only need a few weeks' worth of skills taught to them in order to be successful at the next level.