

## Quality Enhancement Plan

<b>Title</b>	Connect the Dots: Quantitative Reasoning
<b>Institution</b>	Texas A&M University-San Antonio
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### Executive Summary

In August 2018, after proposals for a Quality Enhancement Plan were solicited and received from faculty, staff, and students, a committee of faculty and staff from across the academic colleges and student success departments began the process of developing the QEP. Based on the review of QEP proposals and university data, Quantitative Reasoning (QR) was a natural choice because it spoke to our mission that “our graduates leave well equipped with the knowledge and marketable skills that prepare them for rewarding careers, responsible global citizenship, and lifelong learning.”

Connect the Dots is a campus-wide effort to infuse QR into the student experience. The definition of QR adopted by the QEP Committee is the ability to interpret, represent, and apply numerical information and models in personal, academic, and professional contexts. The university committed to the infusion of QR across disciplines, not just in math or science. QR can also be applied to a student’s life outside of and after college. Thus, while the plan primarily involves curricular activities, QR modules introduced in curricular activities can be readily applied to co-curricular and extracurricular efforts.

The QEP Committee adopted the following two goals:

#### **Goal 1: Establish QR as an essential component of the student experience at A&M-SA.**

**Tactic 1:** Faculty and staff will be able to attend QR workshops throughout the academic year.

**Tactic 2:** The university will establish the QR Center, a QR Advisory Committee, and a QR Director.

**Tactic 3:** The university will create a three credit hour First Year Seminar (FYS) course in which entering students learn of issues that impact success in college. QR will be an essential component of the course to ensure all entering students have QR exposure and exercises.

#### **Goal 2: Develop activities to ensure QR competency of A&M-SA graduates.**

**Tactic 1:** Begin infusion of QR with a module on time-management calculations and exercises in the FYS course, followed by other QR modules related to college success (e.g. financial budgeting, various grade and GPA calculations, time to graduate, visual representations of data, etc.).

**Tactic 2:** Develop a QR approach outside of the FYS course by strategically pairing it with courses (e.g. entry-level core courses in BIOL, MATH, ENGL) in which students can use newly acquired QR skills to manage outcomes.

The QEP Committee has developed a five-year implementation plan including budget, assessment, and responsible parties. Data collection will occur each year (including year 0) to support assessment and modification.