

OVERALL EXEMPLAR

McLennan Community College

Waco, TX

www.mclennan.edu



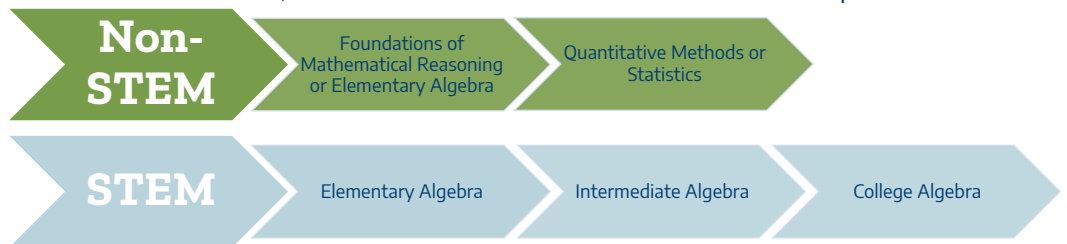
PRINCIPLE

1

All students, regardless of college readiness, enter directly into mathematics pathways aligned to their program of study.

Defining Mathematics Pathways

- Two distinct pathways align to student academic goals and four-year transfer institution degree requirements. Aligned developmental coursework minimizes the number of courses to meet proficiency and degree requirements.
- Multiple acceleration formats are available: modular computer-aided instruction, online instruction, and face-to-face instruction are offered in compressed formats.



Student Advising

- Students visit with advisors every semester. Student Planning software records course sequencing and degree plans. Math pathways are integrated in planning.
- Advisors use holistic measures such as TSIA scores, family/work demands, and academic goals to create success plans for students.

Student Enrollment in Mathematics Pathways

- All students are enrolled in an accelerated pathway per the New Mathways Project (NMP) rubric. All students are encouraged to take developmental and gateway math in consecutive semesters. Advisors and faculty coordinate to ensure correct student placement and progress between semesters.
- **Mainstreaming option:** Students scoring 2-3 points below the TSI-complete score may take gateway math with NCBO support if the student's high school math scores indicate the student is ready for college-level rigor.
- **In-semester refresher option:** Students scoring 2-3 points below the TSI-complete score may enroll in a fast-paced two-week computer-aided tutorial before joining gateway math in the flex schedule.
- **Foundations of Mathematical Reasoning and Learning Frameworks:** Non-STEM students receive instruction on college success strategies.



30%

Non-STEM students complete sequence in two semesters or less



30%

STEM students complete sequence in three semesters or less

PRINCIPLE

2

Students complete their first college-level mathematics requirement in their first year of college.



Texas Success Center

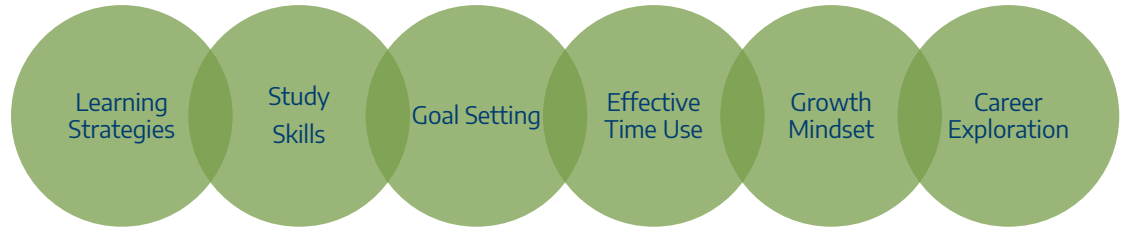
PRINCIPLE 3

Strategies to support students as learners are integrated into courses and are aligned across the institution.

Opportunities for Student Success Instruction

- At McLennan Community College, there is a campus-wide initiative to develop a healthy sense of self-awareness and to build self-efficacy among students.
- The Learning Frameworks (LF) curriculum is developed by Psychology and Education faculty. The focus is on success strategies, learning styles, and emotional intelligence taught with real examples and exercises to put lessons into action. Ongoing data assessment informs curriculum updates.

Student Success Strategies Integrated into Coursework



Measuring Impact

- Pre/post emotional skills assessment, LF completion data, student completion data, student GPA data, and retention data are used to measure impact. Data is disaggregated by gender, ethnicity, age, and full/part-time status with special attention to first-time-in-college (FTIC) and dual-credit (DC) students.
- All FTIC students and DC students seeking more than 18 semester credit hours enroll in the LF course. Students who are TSI complete or missing only one area enroll in a one semester-credit-hour course. Students who are TSI not-complete in two or more areas enroll in a three semester-credit-hour course.

Opportunities for Professional Development

- In-house professional development aims to improve pedagogy and engage faculty in student success measures.

Certification Programs	Math Department Training	Annual Gateway Instructor Program	Incentives
Pedagogy Online Teaching	Teaching techniques by course delivery format	Cohort of 10-15 faculty receive a stipend	Professional development hours
Educational Technology	Math Pathways training	The group studies emotional intelligence to develop course modules	Monetary opportunities to apply PD to course development
Emotional Intelligence	Paired developmental workshops with Temple College	Modules are employed in gateway courses	Credit towards improving salary step

- A robust college-wide data collection and analysis system is used by the institutional research office to provide comprehensive data on the website.
- Individual programs may request data to inform program decisions on curriculum content, course sequencing, and student success initiatives.
- Annual Assessing College Effectiveness plans are completed by each department. The results inform planning for the coming year.



PRINCIPLE 4

Instruction incorporates evidence-based curriculum and pedagogy.