



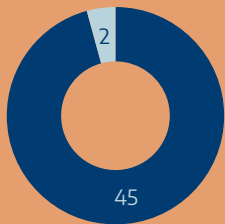
PRINCIPLE 1

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

Grayson College

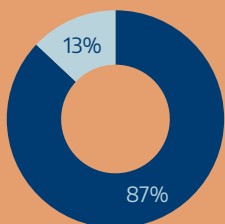
Denison, TX
www.grayson.edu

Program Math Requirements



- Degrees that require math
- Degrees that do not require math

Percentage of Programs with Preferred Math



- Degrees with preferred math course
- Degrees without preferred math course



Texas Success Center

Defining Mathematics Pathways

- In 2010, Grayson College (GC) identified developmental math as the area of improvement for the Quality Enhancement Plan (QEP).
- The QEP team met with department chairs, program directors, and course leads to identify specific math skills necessary for each discipline.
- Math department faculty then recommended a math course to best suit each degree or program. Every semester, the math department ensures the math needs of each program are met.

Aligning Courses to Programs of Study

- As a result of increased communication, many programs clarified the math requirement to better prepare students with usable skills.
- Developmental and gateway math content is informed by the Lower-Division Academic Course Guide Manual, curriculum from the Charles A. Dana Center, and real-world applications from GC programs.
- Program requirements are aligned to four-year partner colleges and universities to ensure ease of transfer. Alignment is supported by the Charles A. Dana Center Transfer Inventory Guide and advising documents from the North Texas Community College Consortium.

Sample Degree Plan Math Requirements

Degree	Required Core Math Course	Preferred Math Course
AAS Business and Management	MATH 1314, 1324, 1332, 1342, 2312	MATH 1332 or MATH 1342
AAS Criminal Justice Technology	MATH 1314, 1324, 1332, 1342, 2312	MATH 1332
AA Liberal Arts – English Pathway	MATH 1314, 1316, 1324, 1332, 1342, 2312, 2413	MATH 1332
AA Liberal Arts – Sociology Pathway	MATH 1314, 1316, 1324, 1332, 1342, 2312, 2413	MATH 1342
AS Biological and Physical Sciences	MATH 1314, 1316, 1324, 1332, 1342, 2312, 2413	MATH 2413

Student Advising

- All first-time-in-college students are advised into a math pathway. Transfer students are advised if they have not yet acquired the necessary math credit for their degree plan.
- GC supports academic advising for all students by providing day and evening hours, phone support, and email support.
- Math faculty advise developmental math students at the start of the semester and prior to registering for second-semester math to ensure proper pathway placement.

