



**Associate of Science in Mathematics to
B.S. in Mathematics
Guided Pathway
Effective for the 2021-2022 Catalog**



First Year – Tyler Junior College

FIRST SEMESTER	SECOND SEMESTER
ⒸMATH Core*	ⒸMATH 2413 Calculus I
ⒸENGL 1301 Composition I	ⒸENGL 1302 Composition II*
ⒸHIST 1301 US History I	ⒸHIST 1302 US History II*
EDUC 1300 Learning Framework*	ⒸSocial and Behavioral Sciences Core
ⒸLanguage, Philosophy & Culture	ⒸLife and Physical Sciences Core + LAB

Second Year – Tyler Junior College

It's best to apply to TX Tech University a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER	SECOND SEMESTER
MATH 2414 Calculus II	MATH 2320 Differential Equations*
ⒸGOVT 2305 Federal Government	ⒸGOVT 2306 Texas Government
ⒸLife and Physical Sciences Core	ⒸCreative Arts Core Suggest ARTS 1301 (also MULT credit)
ⒸSPCH 1315 Public Speaking*	Elective (1 hr)
	MATH 2415 Calculus III

AA: Mathematics

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

Third Year – Texas Tech University

FIRST SEMESTER	SECOND SEMESTER
MATH 3310 Introduction to Mathematical Reasoning and Proof	MATH 3360 Foundations of Algebra or MATH 4342 Mathematical Statistics or MATH 3342 Mathematical Statistics for Engineers and Scientists
MATH 3354 Differential Equations I	Depth – 3 sch Upper-Level Math
Foreign Language – 2000 level	Minor Coursework – 3 sch
Minor Coursework – 3 sch	Multicultural Elective – 3 sch
English Literature – 2000 level	STEM Elective – 3 sch

Fourth Year – Texas Tech University

FIRST SEMESTER	SECOND SEMESTER
MATH 4350 Advanced Calculus I	Depth – 3 sch Upper-Level Math
Breadth – 3 sch Upper-Level Math 3000/4000	Breadth – 3 sch Upper-Level Math
Breadth – 3 sch Upper-Level Math 3000/4000	Minor Coursework – 3 sch
Minor Coursework – 3 sch	STEM Elective – 6 hours
STEM Elective – 3 sch	

This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

* You may take a different course to meet this requirement. A specific list is available from your advisor.

Ⓒ This course counts for the Core Curriculum at any public college or university in Texas.

() Course numbers shown in parentheses are equivalent to these courses at Texas Tech University.

1. Foreign Language Requirement

Students graduating from Texas Tech University should be able to express, negotiate, and interpret meaning in a second language.

Any entering student who has not completed two years of a single foreign language in high school must complete at least two semesters (or its equivalent) of a single foreign language at the first-year college level **or** at least one semester of a foreign language at a 2000 level or higher as a graduation requirement. This requirement may also be satisfied by transferring in the equivalent courses from another college or university. Individual Texas Tech University colleges may have additional foreign language proficiency requirements. Additional requirements may be necessary for select majors.

2. Science Laboratory Requirement

Students graduating from Texas Tech University are required to complete two semester credit hours of science laboratory courses. Normally this will be done by taking two 4-credit science courses or combinations of lecture and lab.

3. Communication Literacy Requirement

Students will complete the required communication literacy requirement.

4. Core Curriculum Requirement

Students will complete the required core curriculum.

5. Multicultural Requirement

In addition to the State of Texas core curriculum, every student must include at least one 3-hour multicultural course or its equivalent that focuses explicitly on the distinctive subcultures of the United States or on the culture of another society.

Maximum number of transferrable semester credits hours from a two-year institution applicable to a baccalaureate degree at the university is 80.

*For questions about the University portion of this pathway,
Contact the Transfer Advising Office at 806-742-1480.*