

## Mathematics Associate of Science

Program Summary      Associate of Science

Fundamentals in mathematics lead to a number of skillsets and careers, including engineering, architecture, statistical analysis, and education. Students learn critical thinking and problem solving with real-world scenarios and analytics. The Mathematics Program is also another great avenue to obtain your core courses when transferring to a four-year program.

AS 3072 Mathematics Associate of Science		60 Hours	TSI Required
Required Core Courses (41 hours)			
Course	Title	Credit Hours	
ENGL 1301	Composition I	3	
ENGL 1302	Composition II	3	
HIST 1301	United States History I	3	
HIST 1302	United States History II	3	
GOVT 2305	Federal Government	3	
GOVT 2306	Texas Government	3	
	Core Elective* (BCIS 1305 or SPCH 1315)	3	
	Creative Arts*	3	
	Language, Philosophy and Culture*	3	
	Life and Physical Science*	4	
	Life and Physical Science*	4	
	Mathematics* (Recommended: MATH 1314)	3	
	Social and Behavioral Science*	3	

Mathematics Elective Courses (27 Hours)		
Course	Title	Credit Hours
BIOL 1406	Biology for Science Majors I	4
BIOL 1407	Biology for Science Majors II	4
CHEM 1411	General Chemistry I	4
CHEM 1412	General Chemistry II	4
COSC 1436	Programming Fundamentals I	4
MATH 1314	College Algebra	3
MATH 1316	Plane Trigonometry	3
MATH 2412	Pre-Calculus Math	4
MATH 2413	Calculus I	4
PHYS 1401	College Physics I	4
PHYS 1402	College Physics II	4
PHYS 2425	University Physics I	4
PHYS 2426	University Physics II	4

\* See Core Curriculum for course options



# Science, Technology, Engineering & Mathematics



## General Studies Associate of Science

Program Summary

Associate of Science

### Year 1: Semester 2

Course	Semester Credit Hours
ENGL 1301 Composition I	3
Creative Arts*	3
Life and Physical Science**	4
Mathematics* (Recommended: MATH 1314)	3
STEM Electives*	3
Total	16

### Year 1: Semester 2

Course	Semester Credit Hours
ENGL 1302 Composition II	3
GOVT 2305 Federal Government	3
Core Elective* (BCIS 1305 or SPCH 1315)	3
Life and Physical Science**	4
STEM Electives*	4
Total	17

### Year 2: Semester 1

Course	Semester Credit Hours
GOVT 2306 Texas Government	3
HIST 1301 United States History I	3
Language, Philosophy and Culture*	3
STEM Electives*	4
STEM Electives*	4
Total	17

### Year 2: Semester 2

Course	Semester Credit Hours
HIST 1302 United States History II	3
Social and Behavioral Science*	3
STEM Electives*	4
STEM Electives*	4
STEM Electives*	4
Total	18

\* See Core Curriculum for course options

\*\* Dependent on transfer pathway