

**Science
Associate of Science
Chevron Engineering Academy**

Texas Southmost College
Science Technology, Engineering & Mathematics Division

Students who graduate from the Chevron Engineering Academy with an Associate of Science in Science may qualify to transfer to four-year engineering degree at Texas A&M University – College Station. This program of study is for students who are Pre-calculus/Calculus ready. In addition to the TSC courses listed below, academy students will also co-enroll at Texas A&M College Station and take the following courses: ENGR 111 General Engineering, ENGR 112 Foundations of Engineering II, MEEN 221 Statics & Dynamics, and ENGR 482 Engineering Ethics.

FIRST YEAR - FALL SEMESTER	CREDIT HOURS
ENGL 1301 ⁺ Composition I	3
HIST 1301 ⁺ U.S. History I	3
MATH 2412 ^{+,1} Pre-Calculus I	4
CHEM 1311 ⁺ General Chemistry I.....	3
CHEM 1111 ¹ General Chemistry I Lab.....	1
 FIRST YEAR - SPRING SEMESTER	
XXXX X1XX ⁺ Science Lab	1
PHYS 2325 ⁺ University Physics I.....	3
PHYS 2125 ⁺ University Physics I Lab	1
CHEM 1312 ⁺ General Chemistry II.....	3
CHEM 1112 ⁺ General Chemistry II Lab	1
MATH 2413 ⁺ Calculus I.....	4
 FIRST YEAR – SUMMER	
SOCI 1301 ⁺ Introduction to Sociology.....	3
HIST 1302 ⁺ U.S. History II	3
 SECOND YEAR - FALL SEMESTER	
ARCH 1301 ⁺ Architectural History I	3
GOVT 2305 ⁺ Federal Government.....	3
MATH 2414 ⁺ Calculus II	4
PHYS 2326 ⁺ University Physics II	3
PHYS 2126 ⁺ University Physics II Lab	1
 SECOND YEAR - SPRING SEMESTER	
ENGL 2311 ⁺ Technical & Business Writing	3
GOVT 2306 ⁺ Texas Government	3
MATH 2415 ^{+,2} Calculus III	4
XXXX X3XX ³ Language, Philosophy & Culture	3

TOTAL CREDIT HOURS FOR GRADUATION - 60

⁺ Grade of “C” or better is required for graduation.

¹ Students with MATH 2412 prior credit must enroll in MATH 2413 Calculus I during the first semester of the program of study.

² Students must take MATH 2420 Differential Equations if they begin with MATH 2413 Calculus I in the program of study.

Students must be accepted into the Chevron Engineering Academy for this program of study.

TSI Requirement (Texas Success Initiative - any other state-approved test) - Student must pass all three sections of state-approved test to graduate with this degree.