

**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.

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

**TOTAL CREDIT HOURS FOR GRADUATION - 60**

<sup>+</sup> Grade of “C” or better is required for graduation.

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

<sup>2</sup> 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.