

**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.