

Science
Associate of Science
Pre-Engineering/Physics Track

Texas Southmost College
Division of Science Technology, Engineering &
Mathematics

This degree plan is designed for students who seek to transfer into bachelor degree programs in engineering or physics.

FIRST YEAR - FALL SEMESTER	CREDIT HOURS
ENGL 1301 ⁺ Composition I.....	3
HIST 1301 ⁺ United States History I OR HIST 2327 ² Mexican American History I.....	3
MATH 2412 ⁺ Pre-Calculus	4
XXXX X3XX ¹ Social and Behavioral Sciences Elective.....	3
 FIRST YEAR - SPRING SEMESTER	
ENGL 1302 ⁺ Composition II	3
CHEM 1311 ⁺ General Chemistry I	3
CHEM 1111 ⁺ General Chemistry I Lab	1
MATH 2413 ⁺ Calculus I.....	4
HIST 1302 United States History II OR HIST 2328 ² Mexican American History II.....	3
 FIRST YEAR – SUMMER SEMESTER	
GOVT 2305 ⁺ Federal Government.....	3
XXXX X3XX ¹ Component Area.....	3
 SECOND YEAR - FALL SEMESTER	
PHYS 2325 ⁺ University Physics I.....	3
PHYS 2125 ⁺ University Physics I Lab	1
MATH 2414 ⁺ Calculus II.....	4
CHEM 1312 ⁺ General Chemistry II.....	3
CHEM 1112 ⁺ General Chemistry II Lab.....	1
XXXX X3XX ¹ Language, Philosophy & Culture Elective.....	3
 SECOND YEAR - SPRING SEMESTER	
PHYS 2326 ⁺ University Physics II.....	3
PHYS 2126 ⁺ University Physics II Lab	1
GOVT 2306 ⁺ Texas Government.....	3
XXXX X3XX ¹ Creative Arts Elective.....	3
PHYS 2289 ⁺ Academic Cooperative (Research & Design).....	2
 TOTAL CREDIT HOURS FOR GRADUATION - 60	

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

¹Students may take any course within this category of the TSC General Education Core Curriculum.

²Courses must be taken in sequence: United History I and United History II or Mexican American History I and Mexican American History II.