

**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.

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

<sup>+</sup>Grade of “C” or better is required for graduation.  
<sup>1</sup>Students may take any course within this category of the TSC General Education Core Curriculum.  
<sup>2</sup>Courses must be taken in sequence: United History I and United History II or Mexican American History I and Mexican American History II.