

Engineering Associate of Science

Texas Southmost College
Division of Science, Technology, Engineering, and
Mathematics

The Associate of Science in Engineering degree plan is designed for students who seek to further their educational and professional career goals in the field of engineering. Graduates from the program can choose to pursue a bachelor's degree in any of the engineering specializations including civil, electrical and electronics, mechanical, or telecommunications engineering. This degree is Field of Study (FOS) curriculum complete for civil engineering. It includes the first two years of a four-year baccalaureate engineering program and may transfer to all Texas public institutions of higher education.

FIRST YEAR - FALL SEMESTER	CREDIT HOURS
CHEM 1309 General Chemistry for Engineering Majors	3
CHEM 1109 General Chemistry for Engineering Majors Lab	1
ENGL1301 ⁺ Composition I	3
ENGR 1201 ⁺ Introduction to Engineering.....	2
HIST 1301 United States History I.....	3
MATH 2413 ⁺ Calculus I.....	4
 FIRST YEAR - SPRING SEMESTER	
ENGR 1304 ⁺ Engineering Graphics I.....	3
HIST 1302 United States History II	3
MATH 2414 Calculus II.....	4
PHYS 2325 University Physics I.....	3
PHYS 2125 University Physics I Lab.....	1
 SECOND YEAR - FALL SEMESTER	
ENGR 2301 ⁺ Engineering Mechanics: Statics.....	3
GOVT 2305 Federal Government	3
MATH 2415 Calculus III	4
PHYS 2326 University Physics II	3
PHYS 2126 University Physics II Lab	1
 SECOND YEAR - SPRING SEMESTER	
ENGR 2302 ⁺ Engineering Mechanics: Dynamics	3
ENGR 2332 ⁺ Mechanics of Materials	3
GOVT 2306 Texas Government.....	3
MATH 2420 Differential Equations.....	4
XXXX X3XX ¹ Language, Philosophy, and Culture/Creative Arts Elective	3

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.