

Computer Science Associate of Science

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

The Associate of Science in Computer Science (AS.COSC) degree prepares professionals in the areas of software development. This degree is designed to lead students to transfer into a four-year university and obtain a Bachelor of Science in Computer Science or a Master of Science in Computer Science.

This degree can prepare students for numerous entry-level jobs in the fields of computers and information technology. Students typically meet minimum requirements for many web development, support, and programming careers. It is strongly recommended, however, to pursue the professional four-year degree as soon as the students complete the associate degree.

FIRST YEAR – FALL SEMESTER	CREDIT HOURS
COSC 1436 ⁺ Programming Fundamentals I.....	4
MATH 2413 ⁺ Calculus I.....	4
ENGL 1301 ⁺ Composition I.....	3
HIST 1301 ⁺ United States History I.....	3
 FIRST YEAR – SPRING SEMESTER	
COSC 1437 ⁺ Programming Fundamentals II.....	4
MATH 2305 ⁺ Discrete Mathematics.....	3
ENGL 1302 ⁺ Composition II.....	3
HIST 1302 ⁺ United States History II.....	3
 FIRST YEAR – SUMMER 1 SEMESTER	
CHEM 1311 ⁺² General Chemistry I OR.....	3
BIOL 1306 ⁺² Biology I for Science Majors	
CHEM 1111 ⁺² General Chemistry I Lab OR.....	1
BIOL 1106 ⁺² Biology I Lab for Science Majors	
 SECOND YEAR – FALL SEMESTER	
COSC 2436 ⁺ Programming Fundamentals III.....	4
GOVT 2305 ⁺ Federal Government.....	3
MATH 2414 ⁺ Calculus II.....	4
PHYS 2325 ⁺ University Physics I.....	3
PHYS 2125 ⁺ University Physics I Lab.....	1
 SECOND YEAR – SPRING SEMESTER	
COSC 2425 ⁺ Computer Organization.....	4
GOVT 2306 ⁺ Texas Government.....	3
PHYS 2326 ⁺ University Physics II.....	3
PHYS 2126 ⁺ University Physics II Lab.....	1
XXXX X3XX ⁺¹ Language, Philosophy & Culture 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.

²Students transferring to a 4-year university are recommended to take CHEM 1311 + CHEM 1111 or BIOL 1306 + BIOL 1106.