

Computer Science Associate of Science

Texas Southmost College
Science Technology, Engineering & Mathematics Division

The Associate of Science in Computer Science (COSC) degree prepares professionals in the areas of software development. The main area of application is computer programming in different computing fields such as gaming, embedded systems, web services as well as systems software and firmware. Employment opportunities include computer programming and software development.

FIRST YEAR - FALL SEMESTER	CREDIT HOURS
COSC 1336 ⁺ Programming Fundamentals I	3
MATH 2412 ⁺ Pre-Calculus	4
ENGL 1301 ⁺ Composition I	3
HIST 1301 ⁺ United States History I	3
XXXX X3XX ¹ Social and Behavioral Sciences	3
 FIRST YEAR - SPRING SEMESTER	
COSC 1337 ⁺ Programming Fundamentals II	3
MATH 2413 ⁺ Calculus I	4
ENGL 1302 ⁺ Composition II	3
HIST 1302 ⁺ United States History II	3
XXXX X3XX ² Creative Arts	3
 SECOND YEAR - FALL SEMESTER	
COSC 2336 ⁺ Programming Fundamentals III	3
GOVT 2305 Federal Government	3
MATH 2414 ⁺ Calculus II	4
PHYS 2325 ⁺ University Physics I	3
PHYS 2125 ⁺ University Physics Lab I	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 Lab II	1
XXXX X3XX ³ Language, Philosophy & Culture	3
 TOTAL CREDIT HOURS FOR GRADUATION - 60	

⁺ Grade of "C" or better is required for graduation.

¹ Social and Behavioral Sciences: Any General Education Core course that meets this category.

² Creative Arts: Any General Education Core course that meets this category.

³ Language, Philosophy & Culture/Creative Arts: Any General Education Core course that meets these categories

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.