

## Computer Science Associate of Science

Texas Southmost College  
Science Technology, Engineering & Mathematics Division

The Associate of Science in Computer Science (CS) 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.

<b>FIRST YEAR - FALL SEMESTER</b>	<b>CREDIT HOURS</b>
COSC 1336 <sup>+</sup> Programming Fundamentals I .....	3
MATH 2412 <sup>+</sup> Pre-Calculus .....	4
ENGL 1301 <sup>+</sup> Composition I.....	3
SPCH 1315 <sup>+</sup> Public Speaking .....	3
XXXX X3XX <sup>2</sup> Social and Behavioral Sciences Elective.....	3
 <b>FIRST YEAR - SPRING SEMESTER</b>	
COSC 1337 <sup>+</sup> Programming Fundamentals II.....	3
MATH 2413 <sup>+</sup> Calculus I.....	4
ENGL 1302 <sup>+</sup> Composition II.....	3
COSC 2325 <sup>+</sup> Computer Organization .....	3
XXXX X3XX <sup>1</sup> Creative Arts Elective.....	3
 <b>SECOND YEAR - FALL SEMESTER</b>	
COSC 2315 <sup>+</sup> Data Structures .....	3
GOVT 2305 Federal Government .....	3
MATH 2414 <sup>+</sup> Calculus II.....	4
MATH 2418 <sup>+</sup> Linear Algebra.....	4
PHYS 2325 <sup>+</sup> University Physics I.....	3
PHYS 2125 <sup>+</sup> University Physics Lab I.....	1
 <b>SECOND YEAR - SPRING SEMESTER</b>	
COSC 2336 <sup>+</sup> Programming Fundamentals III.....	3
XXXX X3XX <sup>1</sup> Language, Philosophy & Culture Elective .....	3
PHYS 2326 <sup>+</sup> University Physics II.....	3
PHYS 2126 <sup>+</sup> University Physics Lab II .....	1
 <b>TOTAL CREDIT HOURS FOR GRADUATION - 60</b>	

<sup>+</sup> Grade of "C" or better is required for graduation.

<sup>1</sup>Language, Philosophy & Culture/Creative Arts Electives: Any General Education Core course that meets these categories

<sup>2</sup>Social and Behavioral Sciences Electives: 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.