

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.

FIRST SEMESTER	<u>Credit Hours</u>
COSC 1336 Programming Fundamentals I (+).....	3
MATH 2412 Pre-Calculus (+).....	4
ENGL 1301 Composition I (+).....	3
SPCH 1315 Public Speaking.....	3
Social and Behavioral Sciences Elective ²	3
 SECOND SEMESTER	
COSC 1337 Programming Fundamentals II (+).....	3
MATH 2413 Calculus I (+).....	4
ENGL 1302 Composition II (+).....	3
COSC 2325 Computer Organization (+).....	3
Visual and Performing Arts ³	3
 THIRD SEMESTER	
COSC 2315 Data Structures (+).....	3
GOVT 2305 Federal Government	3
MATH 2414 Calculus II (+).....	4
MATH 2318 Linear Algebra (+).....	3
PHYS 2325 University Physics I.....	3
PHYS 2125 University Physics Lab I.....	1
 FOURTH SEMESTER	
COSC 2336 Programming Fundamentals III (+).....	3
COSC 2312 Digital Logic (+).....	3
Humanities Elective ⁴	3
PHYS 2326 University Physics II.....	3
PHYS 2126 University Physics Lab II.....	1

TOTAL CREDIT HOURS FOR GRADUATION - 62

« 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.

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

² Social and Behavioral Sciences Elective: Any Social and Behavioral Sciences Elective in the General Education Core Curriculum.

³ Visual and Performing Arts Elective: Any Visual and Performing Arts Elective in the General Education Core Curriculum.

⁴ Humanities Elective: Any Humanities Elective in the General Education Core Curriculum.