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.

Recommended Course Sequence

General Education/Core Curriculum Courses	Credits	Suggested Semester
MATH 1314* College Algebra	3	Fall/Year 1
ENGL 1301* Composition I	3	Fall/Year 1
HIST X3XX† American History I Elective	3	Fall/Year 1
XXXX X3XX† Component Area Option Elective	3	Fall/Year 1
ENGL 1302* Composition II	3	Spring/Year 1
HIST X3XX† American History II Elective	3	Spring/Year 1
GOVT 2305 Federal Government	3	Fall/Year 2
XXXX X3XX*† Life and Physical Sciences I – Lecture	3	Fall/Year 2
XXXX X3XX† Social and Behavioral Sciences Elective	3	Fall/Year 2
XXXX X3XX† Language, Philosophy & Culture Elective	3	Fall/Year 2
GOVT 2306 Texas Government	3	Spring/Year 2
XXXX X3XX*† Life and Physical Sciences II – Lecture	3	Spring/Year 2
XXXX X3XX† Creative Arts Elective	3	Spring/Year 2
XXXX X3XX† Component Area Option Elective	3	Spring/Year 2
Program Courses	**Credits**	**Suggested Semester**
COSC 1436* Programming Fundamentals I	4	Fall/Year 1
COSC 1437* Programming Fundamentals II	4	Spring/Year 1
MATH 2412* Pre-Calculus Mathematics	4	Spring/Year 1
COSC 2336* Programming Fundamentals III	3	Fall/Year 2
COSC 2325* Computer Organization	3	Spring/Year 2
Total Credit Hours for Graduation	**60**	

*Grade of "C" or better is required for graduation.
†Students may take any course within this category of the TSC General Education Core Curriculum.

Program Student Learning Outcomes

Program Student Learning Outcomes (PSLO) are statements that specify what students will know, be able to do or be able to demonstrate when they have completed the program.

1. Computer Science graduates will be able to apply information structures to computer science applications.

2. Computer Science graduates will be able to explain data representation and the transformation of data.

3. Computer Science graduates will be able to identify the role of computer hardware in processing information.

4. Computer Science graduates will be able to apply their understanding of software and hardware structures in scientific or industrial applications.

This information is provided as an example only. You will develop a personalized plan with your Success Coach and faculty advisor/mentor that reflects your goals and interests. You are required to meet with an advisor each semester to ensure you are on track for graduation. This document does not contain all the information you need to stay on track for graduation.