



The Associate of Science in Computer Science (AS.COSC) degree prepares future professionals with a strong foundation in programming, problem-solving, and topics within software development. This program is designed for students who plan to transfer to a four-year university to pursue a Bachelor of Science in Computer Science. Graduates of the AS.COSC degree are well-prepared to continue their studies in areas such as software engineering, data structures, algorithms, and emerging technologies—building the skills needed for careers in this fast-growing industry.

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	

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.

*Grade of “C” or better is required for graduation.

†Students may take any course within this category of the TSC General Education Core Curriculum.

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.