COMPUTER SCIENCE
Associate of Science

This is a recommended academic map for students who seek an Associate of Science degree with a concentration in Computer Science or plan to pursue a baccalaureate degree in Computer Science at a four-year institution of higher education in Texas. Students planning to transfer to a four-year institution should confirm transferability of courses to meet degree requirements from the institution to which they plan to attend.

College Readiness Courses (if needed)
Pre-requisite may be needed for MATH 2413 Calculus I

Semester I

ENGL 1301	Composition I (Core 010)
MATH 2413	Calculus I (Core 020)
HIST 1301	United States History I (Core 060)
COSC 1436	Programming Fundamentals I*

Semester II

ENGL 1302	Composition II (Core 010)
MATH 2414	Calculus II (Core 090)
COSC 1437	Programming Fundamentals II*
HIST 1302	United States History II (Core 060)

Semester III

COSC 2436	Programming Fundamentals III*
Life & Physical Science with Lab (Core 030) (excluding GEOL 1303 & 1304)	
Language, Philosophy, & Culture (Core 040)	
GOVT 2305	Federal Government (Core 070)
PHED 1164	Introduction to Physical Fitness & Wellness*

Semester IV

Creative Arts (Core 050)	
COSC 2425	Computer Organization*
Social & Behavioral Science (Core 080)	
Life & Physical Science with Lab (Core 030) (excluding GEOL 1303 & 1304)	
GOVT 2306	Texas Government (Core 070)

*Transfer Electives

Students who plan to pursue a baccalaureate degree should seek advising from the institution to which they intend to transfer.

COSC 1436	Programming Fundamentals I
COSC 1437	Programming Fundamentals II
COSC 2436	Programming Fundamentals III
COSC 2425	Computer Organization
PHED 1164	Introduction to Physical Fitness & Wellness

Total Semester Hours – 60

*Courses are suggested electives that will contribute to AS degree requirements. Different electives may be chosen, but must be selected from the academic rather than the technical courses, as indicated in the course descriptions.