



Computer Science

AS (60 SCH*)

*Semester Credit Hour 8/2020

First Semester - 15 SCH

COSC 1301 - Introduction to Computing
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 1314 - College Algebra

Second Semester - 15 SCH

DRAM 1310 - Introduction to Theater
ENGL 1302 - Composition II
HIST 1302 - United States History II
MATH 2312 - Pre-Calculus Math
SPCH 1321 - Business & Professional Communication

Third Semester - 17 SCH

COSC 1336 - Programming Fundamentals I
MATH 2413 - Calculus I
ECON 2302 - Principles of Microeconomics
GOVT 2305 - Federal Government
PHYS 2425 - University Physics I

Fourth Semester - 13 SCH

COSC 1337 - Programming Fundamentals II
COMM 1307 - Introduction to Mass Communication
GOVT 2306 - Texas Government
PHYS 2426 - University Physics II

Marketable Skills

Computer Skills; Teamwork; Critical Reasoning; Technical Proficiency; Communication; Personal Responsibility; Analytical Skills; Problem Solving.

Program Outcomes

- Analyze a problem definition to identify inputs, processes, and outputs required to present a viable solution.
- Utilize industry standard application software to produce personal, business, and academic reports and presentations.
- Demonstrate knowledge of computer Industry terminology and jargon.
- Recognize the interaction of stand-alone and network devices, operating systems, and applications.

High School Endorsements

STEM

Additional Educational Opportunities

Students should consider a BS and MS in Computer Information Systems, Computer Science, or Management Information Systems.

Career Opportunities

Programming; Database administrator; Systems development/analysis; Computer support specialist; Software development; Web developer; Computer engineer.