

# COMPUTER INFORMATION TECHNOLOGY

## COMPUTER INFORMATION TECHNOLOGY – AAS (PROGRAMMER / SOFTWARE DEVELOPER) DEGREE PLAN

**PROGRAM INFORMATION:** The two-year Associate in Applied Science Degree helps prepare students with skills to produce high quality sustainable codes through all stages of the software life cycle: project planning and estimating gathering requirement, functional specification, use case tools, design specifications, coding, testing, integrating, and maintenance. This degree prepares students for immediate employment as Computer Programmers, Applications Programmer and Programmer Analysts.

Students pursuing this degree program are required to meet Texas Success Initiative (TSI) standards and course prerequisites.

### FRESHMAN YEAR - FALL

COURSE SECTION	COURSE TITLE	CREDIT HOURS
ENGL 1301	Composition I	3
MATH 1314	College Algebra	3
MATH 1324	or Mathematics for Business and Social Sciences	3
ITSE 1302	Computer Programming	3
COSC 1436	Programming Fundamentals I	4
ITSE 2313	Web Authoring	3
Fall Total Credit Hours		16

### FRESHMAN YEAR - SPRING

COURSE SECTION	COURSE TITLE	CREDIT HOURS
COSC 1437	Programming Fundamentals II	4
ITSE 2302	Intermediate Web Programming	3
ITSE 1307	Intro to C++ Programing	3
XXXX	Approved Social / Behavioral Science	3
Spring Total Credit Hours		13

### SOPHOMORE YEAR - FALL

COURSE SECTION	COURSE TITLE	CREDIT HOURS
ITSE 1359	Introduction to Scripting Languages	3
ITSE 1330	Introduction to C# Programming	3
ITSC 1325	Personal Computer Hardware	3
COSC 2436	Programming Fundamentals III	4
COSC 1301	Introduction to Computing	3
Fall Total Credit Hours		16

### SOPHOMORE YEAR - SPRING

COURSE SECTION	COURSE TITLE	CREDIT HOURS
COSC 2325	Computer Organization	3
ITSE 1333	Mobile Applications Development	3
ITSE 1306	PHP Programming Language	3

COURSE SECTION	COURSE TITLE	CREDIT HOURS
ITSC 1315	Project Management Software	3
XXXX	Approved Language / Philosophy / Culture	3
Spring Total Credit Hours		15
Program Total Credit Hours		60