

# 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
COSC 1436	Programming Fundamentals I	4
ITSE 2313	Web Authoring	3
ITSC 1325	PC Hardware	3
X3XX	Approved Core Math	3
ENGL 1301	Composition I	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
ITSC 1315	IT Project Management	3
Spring Total Credit Hours		16

### SOPHOMORE YEAR - FALL

COURSE SECTION	COURSE TITLE	CREDIT HOURS
COSC 2436	Programming Fundamentals III	4
ITSE 1302	Computer Programming	3
ITNW 1309	Fundamentals of Cloud Computing	3
INEW 2334	Advanced Web Programming	3
ITSE 1330	Introduction to C# Programming	3
Fall Total Credit Hours		16

### SOPHOMORE YEAR - SPRING

COURSE SECTION	COURSE TITLE	CREDIT HOURS
COSC 2325	Computer Organization	3
COSC 1301	Intro to Computing	3
ITSE 2359	Advanced Computer Programming	3

COURSE SECTION	COURSE TITLE	CREDIT HOURS
XXXX	Approved Language / Philosophy / Culture	3
Spring Total Credit Hours		12
Program Total Credit Hours		60