

Junior Year

Semester 1

Discover IT!

Foundations of Computing
COMP 1120



Cohort Class 2 HS Semester
Credits/4 SCC Credits

Semester 2

Create a Website

Web for Business
COMP 1140



Cohort Class 1 HS Semester
Credit/3 SCC Credits

Senior Year

Semester 1

Javascript Rocks!

Programming Fundamentals
COMP 1130



Cohort Class 2 HS Semester
Credits/4 SCC Credits

Semester 2

Build IT!

*PC Hardware and Software
Essentials* COMP 1200

**THIS CLASS CAN BE TAKEN ANY
SEMESTER – JR OR SR YEAR
PESO - SOUTH CENTRAL
COLLEGE**



2 HS Semester Credits/
4 SCC Credits



1 credential*

*A+ Certification Credential Exam

Core or Liberal Arts and Sciences Courses can be included for additional dual credits

Updated 12/11/19

Information Technology Career Academy Course Descriptions

Discover IT!

Foundations of Computing

COMP1120

4 SCC Credits/2 HS Semester Credits

Prerequisite: None

Format: Blended

Fall Semester, Junior Year

This course introduces the student to the world of information systems. Students will explore the history of computing, career opportunities in information technology, computer concepts as they apply to a business environment, basic web page development, command-line interfaces, file management principles, computer numbering systems, and database principles. Students will also receive initial exposure to computer programming and algorithms through the use of problem analysis, pseudo-code and entry level programming languages.

Create a Website

Web for Business

COMP1140

3 SCC Credits/1 HS Semester Credit

Prerequisite: None

Format: Blended

Spring Semester, Junior Year

This course approaches developing websites from a business point of view. As a result of this course, students will understand the underlining of the web technology and be able to create and publish web pages according to the World Wide Web Consortium standards. Students will utilize Hyper-Text Markup Language (HTML) and Cascading Style Sheets (CSS) to build, and Search Engine Optimization (SEO) methods to promote a website. No previous experience with HTML or programming is required.

Javascript Rocks!

Programming Fundamentals

COMP1130

4 SCC Credits/2 HS Semester Credits

Prerequisite: COMP1120

Format: Blended

Fall Semester, Senior Year

Programming Fundamentals is designed to be a person's first exposure to the world of computer programming. This course covers how to design and implement a computer program, writing a program that will make different types of decisions, how to solve problems using computer programs that remember things, make decisions, and perform repetitive tasks. The course uses both Alice and JavaScript to help the student meet these objectives. Alice is a 3-D programming environment from Carnegie Mellon University designed to teach programming concepts. It is an enjoyable and easy-to-use programming environment that assists the student in making 3-D, animated movies. JavaScript is a popular language used for by web browsers to get input from the user. JavaScript teaches client-side scripting. This course is part of the Web Programming Certificate and the AAS Information Systems programming degree at South Central College. You will need to have a basic understanding of (X)HTML for the second half of this course which uses JavaScript. A minimum typing speed of 20-35 wpm is recommended.

Build IT!

PC Hardware and Software Essentials

COMP1200

4 SCC Credits/2 HS Semester Credits

Prerequisite: None

Format: Blended

ANY SEMESTER JR OR SR YEAR

PC Hardware and Software Essentials provides an in-depth survey of computer hardware and operating systems. This course is designed for students who want to pursue careers in IT and students who want to gain practical knowledge of how personal computing devices (including tablets and smartphones) are managed and maintained. It covers a broad range of topics, which include security, networking, troubleshooting, client side virtualization and the responsibilities of an IT professional. Through hands-on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, diagnose hardware and software problems and perform necessary repairs. Emphasis is placed on practical experience to help students develop fundamental computer skills. The course helps students prepare for CompTIA's A+ certification.