Information Technology - Programming

Career Technologies

ABOUT THIS FIELD

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers or programmers who use computer software and\or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

The Software and Web Development Track of the Information Technology Curriculum focuses on creating software and web based applications.

WHAT YOU'LL STUDY

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

WHAT YOU CAN DO

Employment opportunities include designers, administrators or developers in the areas of software and web applications, websites, web services and related areas of distributed computing.

Southwestern
COMMUNITY COLLEGE

PROGRAM START DATES:
Fall or Spring Semester

FOR MORE INFORMATION CONTACT:
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CLASSES YOU'LL NEED TO TAKE

PROGRAMMING DIPLOMA - D25590P

Total Semester Hour Credits: 37

SPRING SEMESTER 1

Prefix	Number	Title	Class	Lab	Clinical	Credit
ACA	111	College Student Success	1	0	0	1
CIS	110	Introduction to Computers	2	2	0	3
CIS	115	Intro to Prog & Logic	2	3	0	3
CTI	120	Network & Sec Foundation	2	2	0	3
CTI	141	Cloud & Storage Concepts	1	4	0	3
DBA	110	Database Concepts	2	3	0	3
		Totals	10	14	0	16

SUMMER SEMESTER

COM	120	Intro to Interpersonal Comm.	3	0	0	3

Choose one of the following:

ECO	251	Principle of Microeconomics	3	0	0	3
PSY	118	Interpersonal Psychology	3	0	0	3
PSY	150	General Psychology	3	0	0	3
		Totals	6	0	0	6

FALL SEMESTER

CSC	121	Python Programming	2	3	0	3
CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
CTS	115	Info Sys Business Concepts	2	2	0	3
NOS	110	Operating System Concepts	2	3	0	3
WEB	110	Web Development Fundamentals	2	3	0	3
		Totals	10	13	0	15

PROGRAMMING CERTIFICATE - C25590P, C25590PP*

Total Semester Hour Credits: 12

FALL SEMESTER 1

CTI	110	Web, Pgm, & DB Foundation	2	2	0	3
WEB	110	Web Development Fundamentals	2	3	0	3
		Totals	4	5	0	6

SPRING SEMESTER 1

CIS	115	Intro to Prog & Logic	2	3	0	3
		Totals	2	3	0	3

FALL SEMESTER 2

CSC	121	Python Programming	2	3	0	3
		Totals	2	3	0	3

* This certificate or pathway is offered to high school students through the Career & College Promise initiative. Please refer to the Career & College Promise page in the SCC Catalog for additional information.