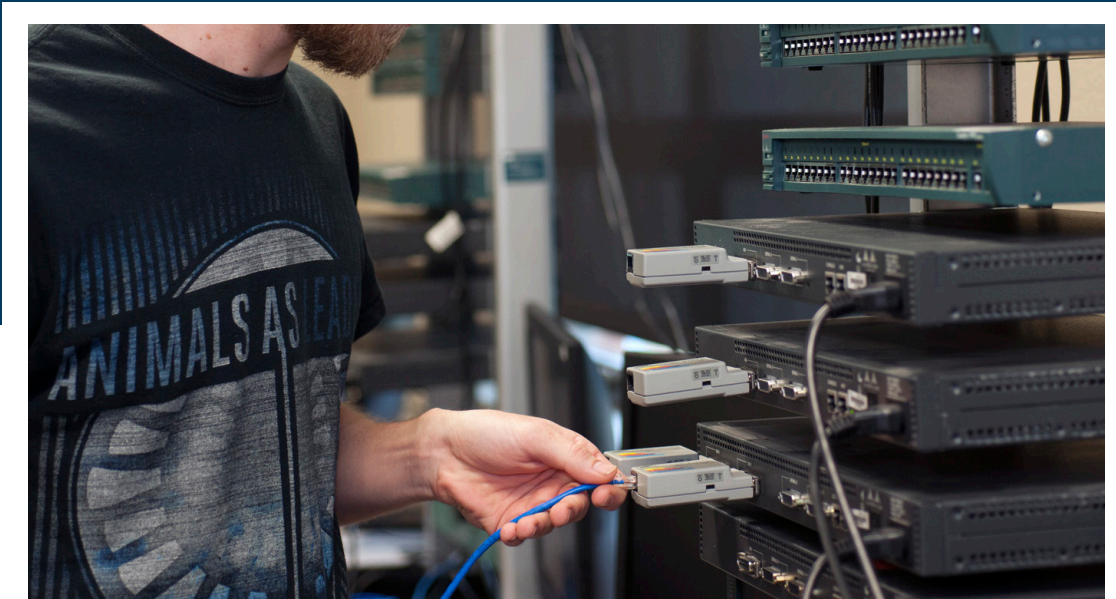


Information Technology - Software and Web Development

Career Technologies



FOLLOW US



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:

Scott Cline, Program Coordinator

 scline@southwesterncc.edu

 828.339.4494

Information Technology - Software and Web Development Career Technologies

CLASSES YOU'LL NEED TO TAKE

ASSOCIATE IN APPLIED SCIENCE (AAS) - A25590SD

Total Semester Hour Credits: 71

FALL 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
CTI	110	Web, Pgm & DB Foundation	2	2	0	3
ENG	111	Writing and Inquiry	3	0	0	3
NOS	110	Operating System Concepts	2	3	0	3
WEB	110	Internet/Web Fundamentals	2	2	0	3
		Totals	12	10	0	16

SPRING SEMESTER 1

CIS	115	Intro to Prog & Logic	2	3	0	3
CTS	115	Info Sys Business Concepts	2	2	0	3
DBA	110	Database Concepts	2	3	0	3
ENG	112	Writing/Research in the Disciplines	3	0	0	3
WEB	115	Web Markup and Scripting	2	3	0	3
		Totals	11	11	0	15

SUMMER SEMESTER

MAT	143	Quantitative Literacy	2	2	0	3
Choose one of the following:						
ECO	251	Principle of Microeconomics	3	0	0	3
PSY	150	General Psychology	3	0	0	3
Choose one of the following:						
HUM	115	Critical Thinking	3	0	0	3
PHI	240	Introduction to Ethics	3	0	0	3
		Totals	8	2	0	9

FALL SEMESTER 2

CSC	151	JAVA Programming	2	3	0	3
CTI	120	Network & Sec Foundation	2	2	0	3
DBA	120	Database Programming I	2	2	0	3
WEB	111	Intro to Web Graphics	2	2	0	3
WEB	213	Internet Mkt & Analytics	2	2	0	3
		Totals	10	11	0	15

SPRING SEMESTER 2

CSC	121	Python Programming	2	3	0	3
CSC	251	Advanced JAVA Programming	2	3	0	3
CTS	289	System Support Project	1	4	0	3
WBL	111	Work Based Learning I	0	0	10	1
WEB	140	Web Development Tools	2	2	0	3
WEB	225	Content Management Sys	2	2	0	3
		Totals	9	14	10	16

CERTIFICATE OPTION

PROGRAMMING CERTIFICATE - C25590SD, C25590DC*

Total Semester Hour Credits: 18

FALL SEMESTER 1

Prefix	#	Title	Class	Lab	Clinical	Credit
WEB	110	Internet/Web Fundamentals	2	2	0	3
		Totals	2	2	0	3

SPRING SEMESTER 1

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

FALL SEMESTER 2

CSC	151	JAVA Programming	2	3	0	3
DBA	120	Database Programming I	2	2	0	3
		Totals	4	5	0	6

SPRING SEMESTER 2

CSC	121	Python Programming	2	3	0	3
CSC	251	Advanced JAVA Programming	2	3	0	3
		Totals	4	6	0	6

* 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.