

# Information Technology

## Career Technologies



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### 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.


#### PROGRAM START DATES:

Fall or Spring Semester

#### FOR MORE INFORMATION CONTACT:

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### CLASSES YOU'LL NEED TO TAKE

#### ASSOCIATE IN APPLIED SCIENCE (AAS) - A25590

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	Web Development Fundamentals	2	2	0	3
		Totals	12	10	0	16

##### SPRING SEMESTER 1

CIS	115	Intro to Prog & Logic	2	3	0	3
COM	120	Intro to Interpersonal Comm.	3	0	0	3
CTI	120	Network & Sec Foundation	2	2	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	130	Windows Single User	2	2	0	3
		Totals	11	9	0	15

##### SUMMER SEMESTER

MAT	143	Quantitative Literacy	2	2	0	3
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##### Choose one of the following:

HUM	115	Critical Thinking	3	0	0	3
PHI	240	Introduction to Ethics	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	8	2	0	9

##### FALL SEMESTER 2

CSC	121	Python Programming	2	3	0	3
CTS	115	Info Sys Business Concepts	2	2	0	3
CTS	120	Hardware/Software Support	2	3	0	3
CTS	130	Spreadsheet	2	2	0	3
NOS	230	Windows Admin I	2	2	0	3
		Totals	10	12	0	15

##### SPRING SEMESTER 2

CTI	141	Cloud & Storage Concepts	1	4	0	3
CTS	155	Tech Support Functions	2	2	0	3
CTS	250	User Support & Software Eval.	2	2	0	3
CTS	289	System Support Project	1	4	0	3
DBA	110	Database Concepts	2	3	0	3
WBL	111	Work Basked Learning I	0	0	10	1
		Totals	8	15	10	16

### DIPLOMA/CERTIFICATE OPTIONS

#### IT BUSINESS DIPLOMA - D25590B

Total Semester Hour Credits: 37

##### FALL SEMESTER

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
CTS	115	Info Sys Business Concepts	2	2	0	3
CTS	130	Spreadsheet	2	2	0	3
NOS	110	Operating System Concepts	2	3	0	3
WEB	110	Web Development Fundamentals2	2	3	0	3
		Totals	13	14	0	19

##### SPRING SEMESTER

COM	120	Intro to Interpersonal Comm.	3	0	0	3
CTI	120	Network & Sec Foundation	2	2	0	3
CTI	141	Cloud & Storage Concepts	1	4	0	3
CTS	155	Tech Support Functions	2	2	0	3
DBA	110	Database Concepts	2	3	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	13	11	0	18

#### IT BUSINESS CERTIFICATE - C25590B & C25590BP\*

Total Semester Hour Credits: 12

##### FALL SEMESTER

CIS	110	Introduction to Computers	2	2	0	3
CTS	115	Info Sys Business Concepts	2	2	0	3
CTS	130	Spreadsheet	2	2	0	3
		Totals	6	6	0	9

##### SPRING SEMESTER

DBA	110	Database Concepts	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.