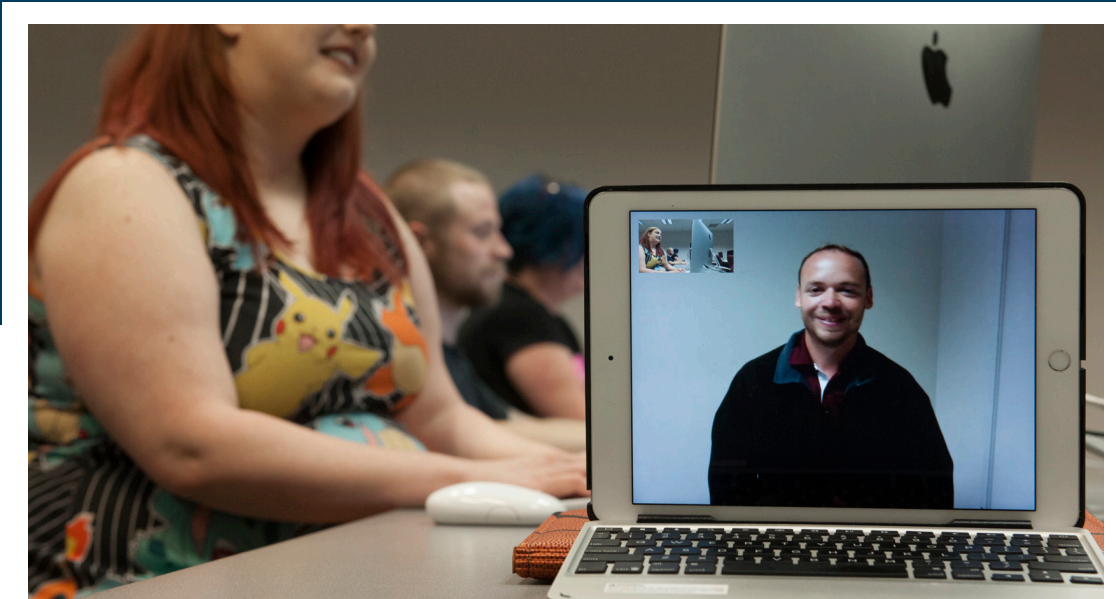


Information Technology - Network Management

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 Network Management Track of the Information Technology Curriculum focuses on supporting network infrastructure environments.



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 entry-level jobs as local area network managers, network operators, network analysts and network technicians.

 **Southwestern**
COMMUNITY COLLEGE


PROGRAM START DATES:

Fall or Spring Semester

FOR MORE INFORMATION CONTACT:

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 828.339.4494

Information Technology - Network Management Career Technologies

CLASSES YOU'LL NEED TO TAKE

ASSOCIATE IN APPLIED SCIENCE (AAS) - A25590N

Total Semester Hour Credits: 68

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
CTI	120	Network & Sec Foundation	2	2	0	3
ENG	111	Writing and Inquiry	3	0	0	3
NOS	110	Operating System Concepts	2	3	0	3
		Totals	12	9	0	16

SPRING SEMESTER 1

CTI	140	Virtualization Concepts	1	4	0	3
CTS	115	Info Sys Business Concepts	3	0	0	3
ENG	112	Writing/Research in the Disciplines	3	0	0	3
NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	130	Windows Single User	2	2	0	3
		Totals	11	8	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

CTI	141	Cloud & Storage Concepts	1	4	0	3
CTS	120	Hardware/Software Support	2	3	0	3
NET	125	Networking Basics	1	4	0	3
NET	126	Switching and Routing	1	4	0	3
NOS	230	Windows Admin I	2	2	0	3
		Totals	7	17	0	15

SPRING SEMESTER 2

CTS	250	User Support & Softw Eval	2	2	0	3
CTS	289	System Support Project	1	4	0	3
NET	225	Enterprise Networking	1	4	0	3
NET	226	Network Programmability	1	4	0	3
WBL	111	Work Based Learning I	0	0	10	1
		Totals	5	14	10	13

CERTIFICATE OPTIONS

CISCO CERTIFICATE - C25590N, C25590NC*

Total Semester Hour Credits: 12

FALL SEMESTER 1

Prefix	#	Title	Class	Lab	Clinical	Credit
NET	125	Networking Basics	1	4	0	3
NET	126	Routing Basics	1	4	0	3
		Totals	2	8	0	6

SPRING SEMESTER 1

NET	225	Enterprise Networking	1	4	0	3
NET	226	Network Programmability	1	4	0	3
		Totals	2	8	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.

OPERATING SYSTEMS CERTIFICATE - C25590N2, C25590C2*

Total Semester Hour Credits: 12

FALL SEMESTER 1

Prefix	#	Title	Class	Lab	Clinical	Credit
NOS	110	Operating System Concepts	2	3	0	3
		Totals	2	3	0	3

SPRING SEMESTER 1

NOS	120	Linux/UNIX Single User	2	2	0	3
NOS	130	Windows Single User	2	2	0	3
		Totals	4	4	0	6

FALL SEMESTER 2

NOS	230	Windows Admin I	2	2	0	3
		Totals	2	2	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.