

INFORMATION TECHNOLOGY IT SUPPORT TRACK DEGREE (A25590A)

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.

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.

Graduates should qualify for employment in entry level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry recognized certification exams.

COURSE & HOUR REQUIREMENTS

Course Number & Name	Class Hours	Lab Hours	Credit Hours
FALL SEMESTER			
ACA 111 College Student Success	1	0	1
CIS 110 Introduction to Computers	2	2	3
CTI 110 Web Pgm, & DB Foundation	2	2	3
CTI 120 Network & Sec. Foundation	2	2	3
CTI 150 Mobile Computing Devices	2	2	3
Total	9	8	13
SPRING SEMESTER			
CIS 115 Intro. to Programming & Logic	2	3	3
CTS 115 Info Systems Business Concepts	3	0	3
*ENG 111 Writing and Inquiry	3	0	3
NET 110 Networking Concepts	2	2	3
NOS 130 Windows Single User	2	2	3
Total	12	7	15
SUMMER SEMESTER			
*ENG 114 Prof. Research and Reporting	3	0	3
*HUM 115 Critical Thinking	3	0	3
*MAT 143 Quantitative Literacy	2	2	3
*Social/Behavioral Science Elective	3	0	3
Total	11	2	12
FALL SEMESTER			
CTS 120 Hardware/Software Support	2	3	3
CTS 155 Tech. Support Functions	2	2	3
DBA 120 Database Programming I	2	2	3
NOS 120 Linux/UNIX Single User	2	2	3
Total	8	9	12
SPRING SEMESTER			
CTI 140 Virtualization Concepts	1	4	3
CTS 287 Emerging Technologies	3	0	3
NOS 230 Windows Administration I	2	2	3
SEC 110 Security Concepts	2	2	3
WBL 110 World of Work	1	0	1
Total	9	8	13
TOTAL SEMESTER CREDIT HOURS FOR DEGREE			65
**SOCIAL/BEHAVIORAL SCIENCE ELECTIVE Choose one from the following:			
HIS 111, HIS 112, HIS 121, HIS 122, HIS 131, HIS 132, or HIS 221	3	0	3
PSY 150 or PSY 281	3	0	3
SOC 210 Introduction to Sociology	3	0	3

*This course is a component of the general education requirements needed for graduation.

NOTE: Students are required to take ACA 111 in their first semester.

NOTE: Courses previously completed in this program may be subject to review for readmitted students to ensure current proficiency based on changing technology needs and industry standards. The Curriculum Dean and program instructor(s) will determine if courses need to be repeated.

INFORMATION TECHNOLOGY NETWORKING AND CYBERSECURITY TRACK DEGREE (A25590B)

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.

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.

Graduates should qualify for employment in entry level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry recognized certification exams.

Graduates in the Networking and Cybersecurity track will have the skills and knowledge to design, install, configure, manage, and secure a network infrastructure, and they will be prepared to sit for CCENT (Cisco Certified Entry Networking Technician), CCNA (Cisco Certified Network Associate) Routing & Switching, CCNA Cybersecurity Operations, CompTIA Security+, CompTIA Linux+, and Microsoft Windows Desktop and Server industry certifications.

COURSE & HOUR REQUIREMENTS

Course Number & Name	Class Hours	Lab Hours	Credit Hours
FALL SEMESTER			
ACA 111 College Student Success	1	0	1
CIS 110 Introduction to Computers	2	2	3
CTI 110 Web Pgm, & DB Foundation	2	2	3
CTI 120 Network & Sec. Foundation	2	2	3
NET 125 Introduction to Networks	1	4	3
Total	8	10	13
SPRING SEMESTER			
CIS 115 Intro. to Programming & Logic	2	3	3
*ENG 111 Writing and Inquiry	3	0	3
NET 126 Switching and Routing	1	4	3
NOS 130 Windows Single User	2	2	3
SEC 110 Security Concepts	2	2	3
Total	10	11	15
SUMMER SEMESTER			
*ENG 114 Prof. Research and Reporting	3	0	3
*HUM 115 Critical Thinking	3	0	3
*MAT 143 Quantitative Literacy	2	2	3
*Social/Behavioral Science Elective	3	0	3
Total	11	2	12
FALL SEMESTER			
CTS 120 Hardware/Software Support	2	3	3
NET 225 Enterprise Networking	1	4	3
NOS 120 Linux/UNIX Single User	2	2	3
SEC 151 Introduction to Protocol Analysis	2	3	3
SEC 160 Security Administration I	2	2	3
Total	9	14	15
SPRING SEMESTER			
CTI 140 Virtualization Concepts	1	4	3
CTS 115 Info Systems Business Concepts	3	0	3
CTS 287 Emerging Technologies	3	0	3
NOS 230 Windows Administration I	2	2	3
WBL 110 World of Work	1	0	1
Total	10	6	13
TOTAL SEMESTER CREDIT HOURS FOR DEGREE			68

Course Number & Name	Class Hours	Lab Hours	Credit Hours
**SOCIAL/BEHAVIORAL SCIENCE ELECTIVE <i>Choose one from the following:</i>			
HIS 111, HIS 112, HIS 121, HIS 122, HIS 131, HIS 132, or HIS 221	3	0	3
PSY 150 or PSY 281	3	0	3
SOC 210 Introduction to Sociology	3	0	3

*This course is a component of the general education requirements needed for graduation.

NOTE: Students are required to take ACA 111 in their first semester.

NOTE: Courses previously completed in this program may be subject to review for readmitted students to ensure current proficiency based on changing technology needs and industry standards. The Curriculum Dean and program instructor(s) will determine if courses need to be repeated.

A+ CERTIFICATION PREP CERTIFICATE (C25590A)

COURSE & HOUR REQUIREMENTS

Class Title	Class Hours	Lab Hours	Credit Hours
CTI 150 Mobile Computing Devices	2	2	3
CTS 120 Hardware/ Software Support	2	3	3
CTS 155 Tech. Support Functions	2	2	3
NOS 130 Windows Single User	2	2	3
TOTAL SEMESTER CREDIT HOURS FOR CERTIFICATE	8	9	12

NOTE: Upon completing this certificate program, students will be prepared for the current CompTIA A+ exams.

CISCO CERTIFIED NETWORK ASSOCIATE (CCNA) PREP CERTIFICATE (C25590B)

COURSE & HOUR REQUIREMENTS

Class Title	Class Hours	Lab Hours	Credit Hours
CTI 120 Network & Sec. Foundation	2	2	3
NET 125 Introduction to Networks	1	4	3
NET 126 Switching & Routing	1	4	3
NET 225 Enterprise Networking	1	4	3
TOTAL SEMESTER CREDIT HOURS FOR CERTIFICATE	5	14	12

NOTE: Upon completing courses in this certificate program students will be prepared for the current Cisco Certified Networking Associate (CCNA) exam.

IT SUPPORT FOUNDATIONS CERTIFICATE (C25590C)

COURSE & HOUR REQUIREMENTS

Class Title	Class Hours	Lab Hours	Credit Hours
CIS 110 Introduction to Computers	2	2	3
CTI 110 Web Pgm, & DB Foundation	2	2	3
CTI 120 Network & Sec. Foundation	2	2	3
CTI 150 Mobile Computing Devices	2	2	3
TOTAL SEMESTER CREDIT HOURS FOR CERTIFICATE	8	8	12

CYBERSECURITY CERTIFICATE (C25590H)

COURSE & HOUR REQUIREMENTS

Class Title	Class Hours	Lab Hours	Credit Hours
NET 125 Introduction to Networks	1	4	3
NET 126 Switching & Routing	1	4	3
NET 225 Enterprise Networking	1	4	3
SEC 110 Security Concepts	2	2	3
SEC 151 Introduction to Protocol Analysis	2	3	3
SEC 160 Secure Admin. I	2	2	3
TOTAL SEMESTER CREDIT HOURS FOR CERTIFICATE	9	19	18

NOTE: Upon completing this certificate, students will be prepared for the current Cisco Certified Network Associate Routing & Switching (CCNA Routing & Switching), CompTIA Security+, and Cisco Certified Network Associate Cybersecurity Operations (CCNA CyberOps) **certification exams.**