

APPLIED TECHNOLOGY Information Technology Option Associate in Applied Science

General Requirements: Total Hours: 60 • Minimum GPA: 2.0

Program Description: This program is designed for the student to develop skills in overall computer repair and networking, computer programming, network administration or network security.

GENERAL EDUCATION REQUIREMENTS 18 hours

Area	Min. Hours	Courses
Communication	6	ENGL1113 English Composition I ENGL1213 English Composition II or ENGL2033 Technical Writing
Social Science	6	HIST 1483 US History to 1877 or HIST 1493 US History, 1877-Present POLS 1113 US Government
Selected General Ed Requirements	6	PSY 1113 Elements of Psychology SOC 1113 Introduction to Sociology

TECHNICAL-OCCUPATIONAL SPECIALTY COURSES 27 hours

Select one option from (Requirements for each option listed on following pages).

- Network Infrastructure
- Computer Programming
- Network Operating System Administration
- Network Security
- Web Development
- Digital Video Development

SUPPORT AND RELATED COURSES 15 hours

Area	Min. Hours	Courses
Math	3	MATH 1513 College Algebra
Business3 Management	6	BUS2093 Business Communications MGMT 2033 Principles of Management MGMT 2103 Occupational/Technical Internship
Elective	3	Course to be selected from the student's field of interest

*ITEC courses are offered through partnering Technology Centers.

APPLIED TECHNOLOGY
Information Technology Option Areas (6)
Associate in Applied Science

Computer Programming Option..... 27 hours

Area	Min. Hours	Courses
ITEC	27	ITEC 1016 PC Hardware & Software
		ITEC 1513 Programming Fundamentals*
		ITEC 1353 Network Operating Systems*
		ITEC 1613 Computer Programming I*
		ITEC 2013 Unified Modeling Language*
		ITEC 2613 Computer Programming II*
		ITEC 2513 Visual Programming*
		ITEC 2633 JAVA Programming*
		ITEC 2653 Database Programming*

Network Operating System Administration Option 27 hours

Area	Min. Hours	Courses
ITEC	27	ITEC 1016 PC Hardware & Software
		ITEC 1113 Fundamentals of UNIX/LINUX*
		ITEC 1223 Microsoft Certified Desktop Support Technician-MCTS*
		ITEC 1353 Network Operating Systems*
		ITEC 2113 Windows Workstation OS*
		ITEC 2123 Windows Server OS*
		ITEC 2423 Security+*
		ITEC 2363 Windows Network Infrastructure*
		ITEC 2313 CISCO Net Academy Internetworking I*

Network Security Option 27 hours

Area	Min. Hours	Courses
ITEC	27	ITEC 1016 PC Hardware & Software
		ITEC 1353 Network Operating Systems*
		ITEC 1413 Principles of Information Assurance*
		ITEC 2113 Windows Workstation OS*
		ITEC 2413 Network Security*
		ITEC 2423 Security + *
		ITEC 2363 Windows Network Infrastructure*
		ITEC 2123 Windows Server OS*

Web Development Option 27 hours

Area	Min. Hours	Courses
*ITEC	27	ITEC 1216 Fundamentals of Digital Media Technologies *
		ITEC 1213 Color & Design Theory *
		ITEC 1313 Web Programming *
		ITEC 2223 Web Design I *
		ITEC 2233 Web Design II *
		ITEC 2243 Digital Web Animation Design *
		ITEC 2263 Digital Web Presentations *
		ITEC 2283 Web Marketing & Digital Advertising *

Digital Video Development Option 27 hours

Area	Min. Hours	Courses
*ITEC	27	ITEC 1216 Fundamentals of Digital Media Technologies *
		ITEC 1213 Color & Design Theory *
		ITEC 1543 Fundamentals of Video Production *
		ITEC 2543 Digital Video Editing *
		ITEC 2553 Digital Media Production *
		ITEC 2563 Digital Video Animation Design *
		ITEC 2573 Digital Video Presentations *
		ITEC 2583 Digital Video Marketing