

**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 <b>or</b> ENGL2033 Technical Writing
Social Science	6	HIST 1483 US History to 1877 <b>or</b> 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**

**Network Infrastructure Option..... 27 hours**

Area	Min. Hours	Courses
*ITEC	27	ITEC 1016 PC Hardware & Software*
		ITEC 1353 Network Operating Systems*
		ITEC 2113 Windows Workstation OS*
		ITEC 2123 Windows Server OS*
		ITEC 2313 CISCO Net Academy Internetworking I*
		ITEC 2323 CISCO Net Academy Internetworking II*
		ITEC 2333 CISCO Net Academy Internetworking III*
		ITEC 2343 CISCO Net Academy Internetworking IV*

**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 *