































































































































































































































COURSE NO.	COURSE TITLE	HOURS	HUMANITIES ELECTIVES	SOCIAL SCIENCE ELECTIVES	SOCIAL SCIENCE ELECTIVES continued
Fall			ART 111 Art Appreciation   	ANT 210 General Anthropology  	POL 220 International Relations  
CIS 110	Intro to Computers   	3	ART 114 Art History Survey I   	ANT 220 Cultural Anthropology   	PSY 150 General Psychology   
MAT 161	College Algebra   	3	ART 115 Art History Survey II   	ANT 221 Comparative Cultures 	SOC 210 Intro to Sociology   
MAT 161A	College Algebra Lab   	1	ART 116 Survey of American Art   	ANT 230 Physical Anthropology 	SOC 213 Sociology of the Family   
NET 125	Networking Basics	3	ART 117 Non-Western Art History   	ANT 240 Archaeology 	SOC 220 Social Problems   
NOS 110	Operating Systems Concepts 	3	ENG 131 Intro to Literature   	ECO 151 Survey of Economics 	SOC 225 Social Diversity   
SEC 110	Security Concepts 	3	ENG 231 American Literature I   	ECO 251 Prin of Microeconomics   	SOC 230 Race and Ethnic Relations   
Spring			ENG 232 American Literature II   	ECO 252 Prin of Macroeconomics   	SOC 240 Social Psychology   
NET 126	Routing Basics 	3	ENG 241 British Literature I   	GEO 111 World Geography   	
NOS 130	Windows Single User 	3	ENG 242 British Literature II   	GEO 112 Cultural Geography   	
SEC 150	Secure Communications 	3	ENG 273 African-American Literature   	GEO 130 Physical Geography 	
SEC 160	Secure Admin I	3	HUM 110 Technology and Society   	GEO 131 Physical Geography I   	
WEB 110	Internet/Web Fundamentals 	3	HUM 160 Intro to Film 	GEO 132 Physical Geography II 	
Summer			MUS 110 Music Appreciation   	HIS 111 World Civilizations I   	
ENG 111	Expository Writing   	3	MUS 112 Intro To Jazz 	HIS 112 World Civilizations II   	
NET 175	Wireless Technology 	3	MUS 113 American Music 	HIS 114 Comparative World History   	
NOS 120	Linux/Unix Single User  	3	MUS 210 History of Rock Music 	HIS 116 Current World Problems   	
Elective	Humanities Elective	3	PHI 210 History of Philosophy   	HIS 121 Western Civilization I   	
Elective	Social Science Elective	3	PHI 215 Philosophical Issues	HIS 122 Western Civilization II   	
Fall			PHI 220 Western Philosophy I   	HIS 131 American History I   	
CIS 115	Intro to Programming & Logic   	3	PHI 221 Western Philosophy II   	HIS 132 American History II   	
CTS 120	Hardware/Software Support  	3	PHI 230 Introduction to Logic   	HIS 162 Women and History   	
NOS 230	Windows Admin I 	3	PHI 240 Intro to Ethics   	HIS 211 Ancient History   	
SEC 210	Intrusion Detection  	3	REL 110 World Religion   	HIS 212 Medieval History   	
SEC 220	Defense-in-Depth	3	REL 111 Eastern Religion   	HIS 213 Modern Europe to 1815   	
			REL 112 Western Religion   	HIS 214 Modern Europe Since 1815   	
Spring			REL 211 Intro to Old Testament   	HIS 221 African-American History   	
CTS 115	Info Systems Business Concepts 	3	REL 212 Intro to New Testament   	HIS 236 North Carolina History   	
CTS 287 OR COE (xxx)	Emerging Technologies  OR (contact co-op office for information)	3	REL 221 Religion in America   	POL 110 Intro Political Science   	
DBA 110	Database Concepts 	3		POL 120 American Government   	
ENG 114 OR ENG 112 OR ENG 113	Prof Research & Reporting OR Argument-Based Research OR Literature-Based Research   	3		POL 130 State & Local Government   	
SEC 289	Security Capstone Project	3	Note: Major course credits earned over five years ago will not apply toward this degree.	POL 210 Comparative Government   	 Course available online
					 Articulated course
					 Prerequisite required
Total Program Hours		76			

Gaston College Information Systems Security

Information Systems Security covers a broad expanse of technology concepts. This curriculum provides individuals with the skills required to implement effective and comprehensive information security controls. Course work includes networking technologies, operating systems administration, information policy, intrusion detection, security administration, and industry best practices to protect data communications. Graduates should be prepared for employment as security administrators. Additionally, they will acquire the skills that allow them to pursue security certifications.

Occupational Outlook Handbook Information (www.bls.gov)

Education and training. Training requirements for computer support specialist positions vary, but many employers prefer to hire applicants with some formal college education. A bachelor's degree in computer science or information systems is a prerequisite for some jobs; other jobs, however, may require only a computer-related associate degree. And for some jobs, relevant computer experience and certifications may substitute for formal education. A number of companies are becoming more flexible about requiring a college degree for support positions. In the absence of a degree, however, certification and practical experience are essential. Certification training programs, offered by a variety of vendors and product makers, may help some people to qualify for entry-level positions.

In some organizations, *computer security specialists* may plan, coordinate, and implement the organization's information security. These workers educate users about computer security, install security software, monitor networks for security breaches, respond to cyber attacks, and, in some cases, gather data and evidence to be used in prosecuting cyber crime. The responsibilities of computer security specialists have increased in recent years as cyber attacks have become more common. This and other growing specialty occupations reflect an increasing emphasis on client-server applications, the expansion of Internet and intranet applications, and the demand for more end-user support.

Other qualifications. People interested in becoming a computer support specialist or systems administrator must have strong problem-solving, analytical, and communication skills because troubleshooting and helping others are vital parts of the job. The constant interaction with other computer personnel, customers, and employees requires computer support specialists and systems administrators to communicate effectively on paper, via e-mail, over the phone, or in person. Strong writing skills are useful in preparing manuals for employees and customers.

Student Success

"Networking Technology and Information System Security degrees go together pretty good here at Gaston College. Both are important to know and you can earn them both while going to school here. The Information System Security Degree program has great classrooms and instructors. This degree would be a great addition to someone who has an older computer degree and someone starting out in Information Technology."

Rodney Eaker, Information Systems Security student

Gaston College Graduates

Gaston College Information Systems Security graduates have obtained employment with local employers including: Dole, Gaston College, PSNC Energy, City of Gastonia, and Duke Energy.

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