

COURSE NO.	COURSE TITLE	HOURS	HUMANITIES ELECTIVES	SOCIAL SCIENCE ELECTIVES	SOCIAL SCIENCE ELECTIVES continued
<b>Fall</b>			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
CIS 115	Intro to Programming & Logic	3	ART 115 Art History Survey II	ANT 221 Comparative Cultures	SOC 210 Intro to Sociology
MAT 161	College Algebra	3	ART 116 Survey of American Art	ANT 230 Physical Anthropology	SOC 213 Sociology of the Family
MAT 161A	College Algebra Lab	1	ART 117 Non-Western Art History	ANT 240 Archaeology	SOC 220 Social Problems
WEB 110	Internet/Web Fundamentals	3	ENG 131 Intro to Literature	ECO 151 Survey of Economics	SOC 225 Social Diversity
WEB 115	Web Markup & Scripting	3	ENG 231 American Literature I	ECO 251 Prin of Microeconomics	SOC 230 Race and Ethnic Relations
<b>Spring</b>			ENG 232 American Literature II	ECO 252 Prin of Macroeconomics	SOC 240 Social Psychology
DBA 110	Database Concepts	3	ENG 241 British Literature I	GEO 111 World Geography	
NET 110	Networking Concepts	3	ENG 242 British Literature II	GEO 112 Cultural Geography	
ENG 111	Expository Writing	3	ENG 273 African-American Literature	GEO 130 Physical Geography	
WEB 120	Intro Internet Multimedia	3	HUM 110 Technology and Society	GEO 131 Physical Geography I	
WEB 140	Web Development Tools	3	HUM 160 Intro to Film	GEO 132 Physical Geography II	
<b>Summer</b>			MUS 110 Music Appreciation	HIS 111 World Civilizations I	<b>WEB Programming Electives</b>
DBA 115	Database Applications	3	MUS 112 Intro To Jazz	HIS 112 World Civilizations II	CSC 151 JAVA Programming
ENG 114 OR	Prof Research & Reporting OR	3	MUS 113 American Music	HIS 114 Comparative World History	CSC 251 Advanced JAVA Programming
ENG 112 OR	Argument-Based Research OR		MUS 210 History of Rock Music	HIS 116 Current World Problems	WEB 180 Active Server Pages
ENG 113	Literature-Based Research		PHI 210 History of Philosophy	HIS 121 Western Civilization I	WEB 182 PHP Programming
WEB 210	Web Design	3	PHI 215 Philosophical Issues	HIS 122 Western Civilization II	WEB 183 Perl Programming
<b>Elective</b>	<b>Humanities Elective</b>	3	PHI 220 Western Philosophy I	HIS 131 American History I	WEB 211 Adv Web Graphics
<b>Fall</b>			PHI 221 Western Philosophy II	HIS 132 American History II	
CTS 115	Info Systems Business Concepts	3	PHI 230 Introduction to Logic	HIS 162 Women and History	
NOS 110	Operating Systems Concepts	3	PHI 240 Intro to Ethics	HIS 211 Ancient History	
WEB 230	Implementing Web Serv	3	REL 110 World Religion	HIS 212 Medieval History	
WEB 250	Database Driven Websites	3	REL 111 Eastern Religion	HIS 213 Modern Europe to 1815	
<b>Elective</b>	<b>WEB Programming Elective</b>	3	REL 112 Western Religion	HIS 214 Modern Europe Since 1815	
<b>Spring</b>			REL 211 Intro to Old Testament	HIS 221 African-American History	
CTS 287 OR	Emerging Technologies OR	3	REL 212 Intro to New Testament	HIS 236 North Carolina History	
COE (xxx)	(contact co-op office for information)		REL 221 Religion in America	POL 110 Intro Political Science	
SEC 110	Security Concepts			POL 120 American Government	
WEB 260	E-Commerce Infrastructure	3		POL 130 State & Local Government	
<b>Elective</b>	<b>Social Science Elective</b>	3		POL 210 Comparative Government	☑ Course available online
<b>Elective</b>	<b>WEB Programming Elective</b>	3			
			<b>Note: Major course credits earned over five years ago will not apply toward this degree.</b>		📖 Articulated course
					👉 Prerequisite required
<b>Total Program Hours</b>		<b>73</b>			

## Gaston College Web Technologies

The Web Technologies curriculum prepares graduates for careers in the information technology arena using computers and distributed computing to disseminate and collect information via the web. Course work in this program covers the terminology and use of computers, network devices, networks, servers, databases, applications, programming languages, as well as web applications, site development and design. Studies will provide opportunity for students to learn related industry standards. Graduates should qualify for career opportunities as designers, administrators, or developers in the areas of web applications, websites, web services, and related areas of distributed computing.

### Occupational Outlook Handbook Information ([www.bls.gov](http://www.bls.gov))

**Education and training.** While there is no universally accepted way to prepare for a job as web designers and developers, most employers place a premium on some formal college education. A bachelor's degree is a prerequisite for many jobs; however, some jobs may require only a two-year degree. Relevant work experience also is very important.

For webmaster and web designer positions, most employers seek applicants who have bachelor's degrees in computer science, information science, or management information systems (MIS). MIS programs usually are part of the business school or college and differ considerably from computer science programs, emphasizing business and management-oriented coursework and business computing courses. Employers increasingly prefer applicants with a master's degree in business administration (MBA) with a concentration in information systems, as more firms move their business to the Internet. For some data communication analysts, such as webmasters, an associate degree or certificate is sufficient; although more advanced positions might require a computer-related bachelor's degree.

Most community colleges offer an associate's degree in computer science or a related information technology field. Many of these programs may be geared more toward meeting the needs of local businesses and are more occupation specific than are four-year degree programs. Some jobs may be better suited to the level of training that such programs offer. Employers usually look for people who have broad knowledge and experience related to computer systems and technologies, strong problem-solving and analytical skills, and good interpersonal skills. Courses in computer science or systems design offer good preparation for a job in these computer occupations. For jobs in a business environment, employers usually want systems analysts to have business management or closely related skills.

**Other qualifications.** Web designers must be able to think logically and have good communication skills. Because they often deal with a number of tasks simultaneously, the ability to concentrate and pay close attention to detail also is important. Although computer specialists sometimes work independently, they frequently work in teams on large projects. As a result, they must be able to communicate effectively with computer personnel, such as programmers and managers, as well as with users or other staff who may have no technical computer background.

### Student Success

"Deciding to pursue a degree in the internet technology field really helped boost my career. I was already in the field, but had no formal training. The courses provided by Gaston College in the Web Technologies degree program helped make my career path a much smoother ride. I thoroughly enjoyed the small class structure which allows more one-on-one focus and the classes in the program are targeted specifically for what the job market is demanding."

Christy Shaffer  
Access Programmer, Vanguard Furniture

### Gaston College Graduates

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

### Contact Information

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