



# INFORMATION TECHNOLOGY COMPUTER PROGRAMMING

Associate of Applied Science | Certificate

The Information Technology curriculum prepares graduates for employment as designers, testers, support technicians, administrators, developers, or programmers with organizations that use computers to design, process, manage, and communicate information, depending on the technical path selected within this curriculum.

To learn more visit [www.piedmontcc.edu/programming](http://www.piedmontcc.edu/programming)

## Overview COMPUTER PROGRAMMING

The Computer Technology Integration curriculum prepares graduates for employment as designers, testers, support technicians, administrators, developers, or programmers with organizations that use computers to design, process, manage, and communicate information, depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to communicate and solve technical issues related to information support and services, interactive media, network systems, programming and software development, and other emerging technologies based on the selected area of study.

## Outlook for EMPLOYMENT

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to manage information. Graduates should be prepared to sit for industry-recognized certification exams.

**Computer Programmers**  
**Web Developers**  
**Network Support**  
**Software Developers**

## COURSES

Required Courses for Program		AAS	CERT
ACA 111	College Student Success *		
ACA 122	College Transfer Success *		
CIS 110	Introduction to Computers		
CIS 115	Introduction to Prog. & Logic		
COM 231	Public Speaking		
CSC 139	Visual Basic Programming		
CSC 151	Java Programming		
CSC 153	C# Programming		
CSC 239	Advanced Visual Basic Programming		
CSC 251	Advanced Java Programming		
CTI 110	Web, Pgm, DB Foundation		
CTI 120	Network & Security Foundation		
CTS 115	Info System Business Concepts		
CTS 120	Hardware/Software Support		
CTS 210	Computer Ethics		
CTS 240	Project Management		
DBA 120	Database Programming I		
ENG 111	Writing and Inquiry		
MAT 143	Quantitative Reasoning		
NOS 110	Operating Systems Concepts		
SEC 110	Security Concepts		
XXX	CTI Free Elective		
XXX	Humanities/Fine Arts Elective		
XXX	Social/Behavioral Science Elective		
<b>Total Semester Hours Required</b>		<b>67</b>	<b>15</b>

*Courses with matching symbols indicate OR/AND requirements. Review back page or contact Student Development for more information.*

AAS = Associate of Applied Science

CERT = Certificate

 Denotes required for completion

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## Procedures for ADMISSIONS

- Submit a complete Application for Admission to the Office of Admissions.
- Submit official transcript(s) of high school education and all post-high school course work to the Office of Admissions if requested. Office GED scores or transcript of courses for the Adult High School Diploma may be submitted in lieu of the high school transcript.
- Complete the Admission Placement Test.
- Diploma and certificate admission requirements may vary. Contact the Admissions Office for details.

## Program CONTACTS

Walter Montgomery, Dean  
(336) 322-2258  
walter.montgomery@piedmontcc.edu  
Person County Campus - L119



**Person County Campus**  
1715 College Drive  
Roxboro, NC 27573  
(336) 599-1181

**Caswell County Campus**  
331 Piedmont Drive  
Yanceyville, NC 27379  
(336) 694-5707

## ASSOCIATE OF APPLIED SCIENCE Suggested Course Sequence Full-time Student

Course#	Course Name	CL.	LB.	CLIN.	CR.
<b>FALL SEMESTER</b>					
ACA 111	College Student Success <b>OR</b>	1	0	0	1
ACA 122	College Transfer Success	0	2	0	1
CIS 110	Introduction to Computers	2	2	0	3
CTI 110	Web, Pgm, DB Foundation	2	2	0	3
CTI 120	Network & Security Foundation	2	2	0	3
ENG 111	Writing and Inquiry	3	0	0	3
XXX	Track Requirement	3	0	0	3
		<b>12-13</b>	<b>6-8</b>	<b>0</b>	<b>16</b>
<b>SPRING SEMESTER</b>					
CIS 115	Introduction to Prog & Logic	3	0	0	3
CSC 151	Java Programming I	2	2	0	3
DBA 120	Database Programming I	2	2	0	3
MAT 143	Quantitative Literacy	3	1	0	3
XXX	Social/Behavioral Science	3	0	0	3
XXX	Track Requirement	3	0	0	3
		<b>16</b>	<b>5</b>	<b>0</b>	<b>18</b>
<b>FALL SEMESTER</b>					
COM 231	Public Speaking	3	0	0	3
CTS 115	Info System Business Concepts	3	0	0	3
CTS 120	Hardware/Software Support	2	3	0	3
NOS 110	Operating Systems Concepts	2	3	0	3
SEC 110	Security Concepts	2	2	0	3
XXX	Track Requirement	3	0	0	3
		<b>15</b>	<b>8</b>	<b>0</b>	<b>18</b>
<b>SPRING SEMESTER</b>					
CTS 210	Computer Ethics	3	0	0	3
CTS 240	Project Management	2	2	0	3
XXX	Humanities/Fine Arts Elective	3	0	0	3
XXX	Track Requirement	3	0	0	3
XXX	Track Requirement	3	0	0	3
		<b>14</b>	<b>2</b>	<b>0</b>	<b>15</b>
		<b>57-58</b>	<b>21-23</b>	<b>0</b>	<b>67</b>

**TOTAL SEMESTER HOURS REQUIRED FOR DEGREE: 67**

### TRACK REQUIREMENT SELECTIONS

CSC 139	Visual Basic Programming
CSC 239	Advanced Visual Basic Prog
CSC 251	Advanced Java Programming
CSC 153	C# Programming
Elective	IT Free Elective (CIS, CSC, CTI, CTS, DBA, NET, NOS, SEC, WEB)