



# INFORMATION TECHNOLOGY COMPUTER PROGRAMMING

Associate of Applied Science | Diploma | 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 Degree			AAS	DIP	C1	C2
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 Prog	✓	✓**		✓
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 Literacy	✓	✓		
NOS	110	Operating Systems Concepts	✓	✓	✓	
SEC	110	Security Concepts	✓	✓		
XXX		Social/Behavioral Science Elective	✓			
XXX		Humanities/Fine Arts, Elective	✓			
XXX		CTI Free Elective	✓	✓		
<b>Semester Hours Required for Degree</b>			<b>67</b>	<b>40</b>	<b>18</b>	<b>15</b>

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

AAS = Associate in Applied Science    DIP = Diploma  
C1 = General Certificate    C2 = Computer Programming Certificate

✓ Denotes required for degree 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  
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walter.montgomery@piedmontcc.edu  
Person County Campus - L119

## 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 <i>OR</i>	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)



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