



Alternative Diploma Pathway
In Support of O.C.G.A., 20-2-149.2

COMPUTER PROGRAMMING TCC PATHWAY
Approved November 2020

30 Total Credit Hours

Students should complete both TCCs in either of the two pathway options, Option 1: CP21 and CPB1 or Option 2: JP11 and PP21.

Option 1:

CP21 C++ Programmer, TCC	
CIST 1305- Program Design and Development	3 CH
SQL OPTION Select 1 course	4 CH
CIST 1210 – Introduction to Oracle Databases	
CIST 1220 – Structured Query Language	
CIST 2361- C++ Programming I	4 CH
CIST 2362- C++ Programming II	4 CH
	Total 15 Credit Hours

AND

CPB1 C# Programmer, TCC	
CIST 2341 – C# Programming I	4 CH
CIST 2342 – C# Programming II	4 CH
*SQL OPTION Select 1 course	4 CH
*CIST 1210 – Introduction to Oracle Databases	
*CIST 1220 – Structured Query Language	
*CIST 1305– Program Design and Development	3 CH
CIST 1510- Web Development I	3 CH
CIST – Elective	4 CH
	Total 15 Additional Credit Hours

TCCs Lead to C++ Certified Associate Programmer Certification

Option 2:

JP11 - Java Programmer, TCC	
CIST 1305- Program Design and Development	3 CH
CIST 1510 – Web Development I	3 CH
SQL OPTION Select 1 course	4 CH
CIST 1210 – Introduction to Oracle Databases	
CIST 1220 – Structured Query Language	
CIST 2371- Java Programming I	4 CH
CIST 2372- Java Programming II	4 CH
CIST – Elective	4 CH
	Total 22 Credit Hours

AND

PP21 - PHP Programmer, TCC	
<i>*CIST 1305 – Program Design and Development</i>	3 CH
<i>*CIST 1510 – Web Development I</i>	3 CH
<i>*SQL OPTION Select 1 course</i>	4 CH
<i>*CIST 1210 – Introduction to Oracle Databases</i>	
<i>*CIST 1220 – Structured Query Language</i>	
CIST 2351- PHP Programming I	4 CH
CIST 2352- PHP Programming II	4 CH
	Total 8 Additional Credit Hours

TCCs Lead to Java Certified Foundations Associate Certification

*Courses exempted if taken in the first TCC