Note: Course Dates indicate Beginning and Ending Dates M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=

CRN	Instructor	Days	Time	Room	D	CRN	Instructor	Days	Time	Room	D

Computer Science

CS 111 Introduction to Programming Concepts and Design — 4 Units

Strongly recommended: CIS 107. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.
An introduction to the principles of computer programming and software development. Topics covered include the program development cycle, developing algorithms, data and control structures, structured programming, and object-oriented programming. Data types, expressions, control structures, functions, file and stream I/O, and structured and abstract data types are introduced in this course. Microsoft's Visual Studio to help illustrate programming concepts common to modern high-level programming languages. Students must wait two years before retaking this course. 72 lecture hours. CSU UC

21678	Solis, R.	TR	11:30 AM-01:35 PM	PC 309	08/23-12/14
21679	Solis, R.	TR	08:00 AM-08:50 AM	PC 309	08/23-12/14
	Solis, R.		HRS-ARRG		08/23-12/14

DISTANCE EDUCATION HYBRID CLASS
After registering go to www.citrusollege.edu/de

CS 225 Object Oriented Programming with C++ — 4 Units

Prerequisite: CS 111.
Strongly recommended: MATH 150.
This course is a second semester course in object-oriented programming using the C++ language. Problem analysis and algorithm design will serve as the foundation for the use of functions, control structures, user-defined data types, arrays, searching and sorting algorithms, use of streams and external files, structures, data abstraction, and software development methods. 54 lecture hours, 18 lab hours. CSU UC

21680	Solis, R.	TR	09:15 AM-11:20 AM	PC 309	08/23-12/14