Computer Information Systems



C++ Programming 13 unit certificate

The C++ Programming certificate covers structured and object-oriented programming using C++ for business, gaming, mathematical and scientific applications.

Required Courses

CIS/CSC-5 Programming Concepts

and Methodology I: C++ (4 units)* (Must be completed first)

Advisory: CIS-1A

Intro to the fundamentals of problem definition, algorithm development and structured programming logic for business, science and mathematical applications.

CIS/CSC-17A Programming Concepts and Methodology II:

C++ (3 units)*

Pre-requisite: CIS/CSC-5

A comprehensive study of the syntax and semantics of the C++ language and methodology of object-oriented program development.

CIS-17B C++ Programming: Advanced Objects (3 units)*

Advisory: Take CIS/CSC-17A before CIS/CSC-17B and

CIS/CSC-17C

Advanced C++ Programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques.

CIS-17C C++ Programming: Data Structure (3 units)*

Advisory: Take CIS/CSC-17A before CIS/CSC-17B and

CIS/CSC-17C

A thorough presentation of the essential principles and practices of data structures using the C++ programming language.

*This class transfers toward one or more CSUSB or CalPoly majors. Visit www.assist.org or the Counseling office for details.

Computer Information Systems



C++ Programming

Tuition \$46/unit • Duration of Study: 8 months

A Certificate in C++ Programming will be awarded upon completion of the required courses (13 units). Please refer to the Norco College Catalog or visit the Counseling Center.

Job & Wage Information

Computer Programmer

Wage Range*: \$32.85-52.69

8% decrease in employment expected in CA 2019-2029; 1,330 openings annually More info:

http://bit.ly/CompProgrammerNC

Software Developer

Wage Range*: \$35.34-62.01

29% increase in employment expected in CA 2019-2029; 13,530 openings annually

More info:

http://bit.ly/SoftwareDeveloperNC

*2020, Riverside/Ontario/San Bernardino Metro Area

Technology

What's Your School?

School of Science, Technology, Engineering & Mathematics

What type of interests might be a good fit for this career choice?



Investigative

People who like to observe, learn, investigate, analyze, evaluate, or solve problems primarily of a scientific or mathematical nature.

For more information on careers that fit this category of interests, visit the Career Center in the Center for Student Success.

Visit <u>www.norcocollege.edu/STEM</u> for more information about this program.

21/22 Course Catalog • NCE803