

COMPUTER INFORMATION SYSTEMS

Program Description

This program focuses on the general writing and implementation of generic and customized programs to drive operating systems that generally prepare individuals to apply the methods and procedures of software design and programming to software installation and maintenance. This includes instruction in software design; low and high level languages and program writing; program customization and linking; prototype testing; troubleshooting; and related aspects of operating systems and networks.

Campus
RIV

Award Type
AS, S, CP

Career Opportunities

- Computer Programmer
- Computer Manufacturer
- Internet Programmer
- Management Consultant
- Programmer Analyst
- Software Developer
- Technical Support Specialist

Wages

| | Annual | Hourly |
|-----------------------------|----------|---------|
| Computer Programmer | \$75,996 | \$39.58 |
| Computer Support Specialist | \$48,152 | \$25.07 |

Contact Information

Riverside – (951) 222-8551



COMPUTER PROGRAMMING Certificate Program

AS728/CE728

| Required Courses (25.5 units) | | Units |
|-------------------------------|--|-------|
| CIS-1A | Introduction to Computer Information Systems | 3 |
| CIS-2 | Fundamentals of Systems Analysis | 3 |
| CIS-5 | Fundamentals of Programming Logic Using C++ | 3 |
| CIS-21 | Introduction to Operating Systems | 3 |
| CIS/CAT-72A | Introduction to Web Page Creation | 1.5 |
| Electives | From Group 1 | 6 |
| Electives | From Group 2 | 6 |

Electives - Group 1 (6 units)

| | | |
|---------|--------------------------------------|---|
| CIS-12 | PHP Dynamic Web Site Programming | 3 |
| CIS-14A | Web Programming: JavaScript | 3 |
| CIS-14B | Web Programming: Active Server Pages | 3 |
| CIS-15A | Visual Basic Programming: Objects | 3 |
| CIS-17A | C++ Programming: Objects | 3 |
| CIS-18A | Java Programming: Objects | 3 |

Electives - Group 2 (6 units)

| | | |
|---------|--|---|
| CIS-11 | Computer Programming using Assembler | 3 |
| CIS-15B | Visual Basic Programming: Advanced Objects | 3 |
| CIS-15C | Visual Basic Programming: Databases | 3 |
| CIS-17B | C++ Programming: Advanced Objects | 3 |
| CIS-17C | C++ Programming: Data Structures | 3 |
| CIS-18B | Java Programming: Advanced Objects | 3 |
| CIS-18C | Java Programming: Data Structures | 3 |

Associate in Science Degree

The Associate in Science degree in Computer Information Systems, Computer Programming, will be awarded upon completion of the requirements for the certificate, plus completion of the graduation requirements as described in the catalog, as well as electives totaling 60 units of college work as required for the associate degree.

