

CIS CERTIFICATE, continued:

Select one course for 2-3 units:

- CIS 217 F Visual Basic Programming I (3)
- CIS 218 F Visual Basic Programming III (3)
- CIS 219 F Visual Basic Programming II (3)
- CIS 220 F Web Server Programming (3)
- CIS 223 F Programming in C++ (3)
- CIS 226 F Java Programming I (3)
- CIS 228 F Java Programming II (3)
- CIS 229 F XML Programming (3)
- CIS 257 F Dreamweaver III (3)

Select one course below for 2-3 units:

- CIS 183 F Network Security Fundamentals (3)
- CIS 225 F Netware System Manager (3)
- CIS 260 F Solaris System Administration (3)
- CIS 280 F Intro to Oracle: SQL and PL/SQL (3)
- CIS 281 F Intro to Networking Hardware (3)
- CIS 285 F Windows Server (3)
- CIS 291 F Enterprise Networking (3)

Computer Information Systems studies help prepare you for the following careers, among others:

- Computer Support Specialists (\$21.16)
- Computer Specialists (\$27.64)
- Computer Systems Administrators (\$29.90)
- Database Administrators (\$29.39)
- Computer and Information Systems Managers (\$49.28)

*Orange County median wages, according to State Government of California



What can a community college education do for you??

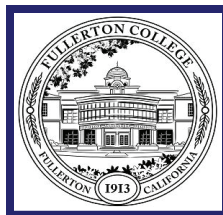
- The income of students who earn degrees or certificates from California community colleges jumps from the California per capita income to **30% above the California per capita income** in the one year after degree or certificate completion.
- National research shows that women with associate degrees earn nearly **48% more** than their peers with only a high school education.



Fullerton College is ranked 7th out of 108 California community colleges in student transfers to four-year colleges and universities. Established in 1913, it is the oldest continually operating community college in the state.

Originally enrolling 28 students in its first year in 1913, today Fullerton College boasts an enrollment figure of nearly 20,000, with figures anticipated to reach more than 32,000 by the year 2020.

Excellent faculty brings an abundance of professional experience into the classroom. Smaller class sizes provide our students with individualized attention and a greater opportunity to succeed. Many non-degree students enroll in our programs to enhance their opportunity for promotion and increase their earning potential.



Fullerton College is part of the North Orange County Community College District. The North Orange County Community College District, in conjunction with all applicable Federal and State laws, does not discriminate on the basis of race, color, national origin, ancestry, marital status, age, religion, disability, sex, or sexual orientation in any of its policies, procedures, or practices. The District is also committed to maintaining campuses that are free of harassment, drugs and alcohol. A copy of the District's full policy on non-discrimination, sexual harassment, sexual assault treatment and counseling, and maintenance of a drugs-free environment is available in the District's Human Resources Office.

NOCCCD Board of Trustees: Jeffrey P. Brown, Barbara Dunsheath, Leonard L. Lahtinen, Michael B. Matsuda, Molly McClanahan, Donna Miller, Manuel Ontiveros, Jerome Hunter, Ed.D., Chancellor, and Kathleen O'Connell Hodge, Ed.D., President, Fullerton College.



FULLERTON COLLEGE
CAREER EDUCATION

COMPUTER INFORMATION SYSTEMS

A World Of Opportunities....



Computer Information Systems Employment Facts

The employment outlook for computer-based occupations has rebounded, with Orange County projected to have the largest number of available job openings in the field in the nation over the next five years. High-demand specialties include software specialists, database specialists, and networking and programming specialties.

Software and computer services are one of the three highest paying industry clusters in the LA/Orange County area, with entry wages averaging \$37,000+/year. Emerging industry clusters include computer gaming and entertainment technology, and computer and information security.



Computer Information Systems Studies – Business/CIS Division

The Computer Information Systems Associate in Science degree and certificate program are designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information systems needs and give the student a comprehensive introduction to all specialty areas included in the CIS field.

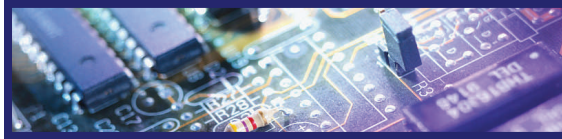


Course work will develop a student's ability to communicate complex technical issues related to computer hardware, software, and networks in a manner that computer users can understand. Classes cover computer operations and terminology, operating systems, database, networking, security, and technical support. Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to manage information.

Fullerton College Business/CIS Division

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Fullerton, CA 92832

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COMPUTER INFORMATION SYSTEMS ASSOCIATE IN SCIENCE DEGREE

Complete 30-31 units as follows, in addition to general education requirements listed in college catalog:

Required Courses:

CIS 107 F Intro to Operating Systems (2)
CIS 180 F Intro to Networking Concepts (3)
CIS 217 F Visual Basic Programming I (3)

One of the following for a total of 3-4 units:

ACCT 001 F Accounting for Small Business (3)
ACCT 100BF Financial Accounting Principles (3)
ACCT 101AF Financial Accounting (4)

One of the following for a total of 3 units:

BUS 111 F Business Communications (3)
BUS 211 F Writing for Business (3)

One of the following for a total of 2 units:

BUS 182 F Doing Business Online (2)
MKT 151 F Internet Marketing (2)

One of the following for a total of 3 units:

CIS 100 F Intro to Personal Computers (3)
CIS 111 F Intro to Information Systems (3)

One of the following for a total of 2 units:

CIS 105 F Spreadsheet I (2)
CIS 205AF Spreadsheet II (2)

One of the following for a total of 2 units:

CIS 142 F Database I (2)
CIS 242 F Database II (2)

One of the following for a total of 2 units:

CIS 150 F Intro to Internet (2)
CIS 151 F Internet Research (2)

One of the following for a total of 2 units:

CIS 152 F Web Page Design II (2)
CIS 252 F Web Page Design III (2)

One of the following for a total of 3 units:

CIS 111HF Honors Intro to Information Systems (3)
CIS 225 F Netware System Manager (3)
CIS 291 F Enterprise Networking (3)

COMPUTER INFORMATION SYSTEMS CERTIFICATE

Requires the completion of 29-30 units following the requirements below. A minimum grade of "C" in all courses is required. At least one-half of the units must be completed at Fullerton College.

Required Courses:

CIS 107 F Intro to Operating Systems (2)
CIS 180 F Intro to Networking Concepts (3)

Select one course below for 4 units:

ACCT 001 F Acctg. for Small Business (3)
ACCT 100BF Financial Acctg. Principles (3)
ACCT 101AF Financial Accounting (4)
CIS 111HF Honors Intro to Info. Systems (3)
CIS 157BF Dreamweaver II (3)

Select one course below for 3 units:

BUS 111 F Business Communications (3)
BUS 211 F Writing for Business (3)

Select one course below for 2 units:

BUS 182 F Doing Business Online (2)
MKT 151 F Internet Marketing (2)

Select one course below for 3 units:

CIS 100 F Intro to Personal Computers (3)
CIS 111 F Intro to Information Systems (3)

Select one course below for 2 units:

CIS 105 F Spreadsheet I (2)
CIS 205AF Spreadsheet II (2)
CIS 205BF Macro Programming (2)

Select one course below for 2 units:

CIS 142 F Database I (2)
CIS 242 F Database II (2)

Select one course below for 2-3 units:

CIS 109 F Personal Computer Security (2)
CIS 149 F Internet Entertainment (3)
CIS 150 F Intro to Internet (2)
CIS 151 F Internet Research (2)

Select one course below for 2-3 units:

CIS 152 F Web Page Design II (2)
CIS 154 F JavaScript Programming I (2)
CIS 155 F Web Page Multimedia Design I (2)
CIS 157 F Dreamweaver I (3)
CIS 212 F Robotic Programming (3)
CIS 230 F PHP and MySQL Programming (3)
CIS 252 F Web Page Design III (2)
CIS 254 F JavaScript Programming II (2)
CIS 255 F Web Page Multimedia Design II (2)

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