

COMPUTER INFORMATION SYSTEMS ASSOCIATE IN SCIENCE DEGREE

PROGRAM CODE: 2S03831

The **Computer Information Systems Associate in Science Degree** is designed to prepare students for employment in programming, networking, website design, database design and administration, cyber-security, project management or game design. Students learn in a well-equipped technical environment for instruction and lab. CIS courses are taught providing hands-on experience in the use of industry-standard hardware, application software, operating systems, networking, and programming tools. This degree also requires students to select a "Career Track" from the sets of Restricted Electives. This degree requires 20-23 units.

Code	Title	Units
Required Courses (14 units):		
CIS 100 F	Introduction to Personal Computers	4
or CIS 100HF	Honors Introduction to Personal Computers	
or CIS 111 F	Introduction to Information Systems	
or CIS 111HF	Honors Introduction to Information Systems	
CIS 152 F	Web Design I (formerly Web Page Design II)	3
CIS 180 F	Introduction to Networking Concepts	4
CIS 201 F	Introduction to Python Programming	3
Restricted Electives - Select from ONE CAREER TRACK below to meet the minimum program unit requirements.		6-9
<i>Cyber Security Career Track (8 units):</i>		
CIS 107 F	Introduction to Operating Systems	3
CIS 109 F	Personal Computer Security	2
CIS 160 F	Introduction to Cyber Security (formerly Introduction to Computer Forensics)	3
OR		
<i>Programming Career Track (6-7 units):</i>		
CIS 142 F	Database I	3
CIS 223 F	Programming in C++	3
or CIS 226 F	Java Programming I	
OR		
<i>Network Technician Career Track (6 units):</i>		
CIS 181 F	Computer Certification Preparation	3
CIS 182 F	Computer Certification Prep II	3
OR		
<i>Network Administration Career Track (9 units):</i>		
CIS 107 F	Introduction to Operating Systems	3
CIS 285 F	Windows Server	3
CIS 290 F	Linux and UNIX Operating System	3
OR		
<i>Web Design Career Track (6 units):</i>		
CIS 157 F	Web Design II (formerly Dreamweaver I)	3
CIS 176 F	Web Page Layout with CMS	3
OR		
<i>Information System Project Management Career Track (9 units):</i>		
CIS 106 F	Beginning Spreadsheet (MS Excel)	3

CIS 120 F	Project Management I	3
CIS 123 F	Beginning Word Processing (MS Word) (formerly Word Processing)	3

OR

Game Design Career Track (6 units):

CISG 100 F	Introduction to Computer Game Design	3
CISG 110 F	Introduction to Programming for Computer Games	3

Total Units **20-23**

Outcome 1: Demonstrate proficiency in one or more common Business Software programs.

Outcome 2: Demonstrate an understanding of common computer technology-related terms.

Outcome 3: Demonstrate the ability to be effective communicators using common Business communication tools.

Outcome 4: Demonstrate knowledge of common internet-related technologies and software.

https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=970