

CIS: COMPUTER GAME DEVELOPMENT, COMPUTER SUPPORT TECH, NETWORK SPECIALIST, PROJECT MANAGEMENT, WEB PAGE DEVELOPER, COMPUTER FOUNDATIONS, PROGRAMMING FOUNDATIONS, SOCIAL MEDIA

PROGRAM DESCRIPTION:

See individual program certificates below.

CAREER AT A GLANCE:

HOW DO I KNOW IF THIS MAJOR IS FOR ME?

- You enjoy learning about computers
- You like listening to people and coming up with solutions to problems
- You like to take apart and build computers
- You like to diagnose and troubleshoot computer or network problems
- You enjoy installing software programs
- You like set procedures and routines
- You enjoy providing a service to others
- You want to work independently and on a team
- You want to plan and implement effective computer systems
- You like developing web pages
- You want to learn about computer programming
- You are interested in game development
- You like managing social media accounts

Use Focus2Career on your MyChaffey portal to learn more about careers and majors that fit you best.

WHERE CAN I WORK?

Internet Access Providers	Wireless Service Providers
Computer Repair Companies	Small Businesses
Government Offices	City/County Offices
Educational Institutions	Medical Facilities
Computer Industry	

For more information visit: www.labormarketinfo.edd.ca.gov/OccGuides

HOW DO I GET STARTED?

- Start taking introductory computer technology courses
- Job shadow and network with information technology professionals
- Volunteer to work on new projects
- Update resume with technology proficiencies, experiences and related coursework

WHAT CAN I DO WITH THIS CERTIFICATE?

<i>Position Title</i>	<i>CA Median Salary</i>
Computer Support Specialist	\$59,430
Computer Technician	\$59,430
Help Desk Analyst	\$59,430
Web Developer	\$76,880
Network Support Specialist	\$72,080
Game Developer	\$94,070
Information Technology Specialist	\$108,390
Network Technician	\$72,080
Technical Support Specialist	\$59,430
Small Business Owner	Varies
Freelance	Varies

WHAT CAN I DO WITH HIGHER EDUCATION AND ADDITIONAL TRAINING?

<i>Position Title</i>	<i>CA Median Salary</i>
Computer Systems Administrators	\$92,290
IT Project Manager	\$94,070
Computer Systems Analyst	\$97,940
Network Administrator	\$92,290
Computer Network Architect	\$125,190
Systems Engineer	\$94,070
Information Systems Director	\$161,830
Technical Services Manager	\$161,830
Application Development Director	\$76,880
Computer Systems Teacher	\$99,640
Database Administrator	\$95,500
Information Research Scientist	\$123,130
Software Quality Assurance	\$94,070
Software Developer	\$121,210
Computer Programmer	\$93,620

For more information about careers, education and training requirements, salary data, and job outlooks visit www.onetonline.org.

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MAJOR AND COURSE REQUIREMENTS:
LEGEND: G=Grade IP=In Progress N=Need **Bold: Prerequisites** Plain Text: No Prerequisites

The Computer Game Development Certificate sets the foundation for a career in game development with the introduction of the programming and graphic elements of the field.

Requirements for the Computer Game Development Certificate: (B124)

		Grade	IP	Need	Units
CIS 1	Introduction to Computer Information Systems				3
CISGAME 1	Fundamentals of Game Development				3
CISGAME 2	Fundamentals of Game Development II				3
CISGAME 403	Fundamentals of Game Programming				3
CISGAME 420	Mobile/Web Game Development				3

Student Name: _____

ID#: _____

Date: _____

Counselor: _____

The Computer Support Technician Certificate prepares students for positions in industry supporting microcomputer users in hardware and software areas, and to take the Comp TIA A+ certification.

Requirements for the Computer Support Technician (A+) Certificate: (B118)

		Grade	IP	Need	Units
CIS 1	Introduction to Computer Information Systems				3
CIS 4	Fundamentals of Microsoft Windows				1.5
CIS 50	Introduction to Computer Networks				3
CIS 68	Internet Technologies				1.5
CIS 420	Computer Security Basics				1.5
CIS 460	Fundamentals of Coding				1.5
CISHDSP 40	Microcomputer Hardware				3

The demand for networking professionals to administer and support computer networks far exceeds the supply. The Network Specialist Certificate enables students to acquire networking skills applicable to organizations of all sizes, and prepare for the CompTIA and Server+ examinations administered by an outside agency.

Requirements for the Network Specialist Certificate: (L475)

		Grade	IP	Need	Units
CIS 1	Introduction to Computer Information Systems				3
CIS 4	Fundamentals of Microsoft Windows				1.5
CIS 50	Introduction to Computer Networks				3
CIS 68	Internet Technologies				1.5
CIS 435	Fundamentals of Microsoft Visio				1.5
CISHDSP 40	Microcomputer Hardware				3
CISNTWK 11	Microsoft Network Server				3
CISNTWK 12	Introduction to Network Security Administration				3
CISNTWK 20	Introduction to Cybersecurity: Ethical Hacking				3
CISNTWK 413	TCP/IP				1.5

All courses required for a certificate must be completed with a minimum grade of C.

COUNSELOR NOTES:

\$46 per unit for CA Residents

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The Project Management certificate prepares students for positions requiring the efficient management of information technology projects in organizations, with respect to software, planning, time, costs, and other factors.

Requirements for the Project Management Certificate: (E127)

**Non-Transcripted*

		Grade	IP	Need	Units
CIS 1	Introduction to Computer Information Systems				3
CIS 68	Internet Technologies				1.5
CIS 431	Project Management for Information Technology				3
CIS 435	Fundamentals of Microsoft Visio				1.5

The Web Page Developer Certificate prepares students for positions developing Internet and Intranet Web pages.

Requirements for the Web Page Developer Certificate: (L108)

**Non-Transcripted*

		Grade	IP	Need	Units
CIS 1	Introduction to Computer Information Systems				3
CIS 68	Internet Technologies				1.5
CIS 460	Fundamentals of Coding				1.5
CISIWEB 72	Web Page Development and Publishing				3
CISIWEB 74	Creating Dynamic Applications using JavaScript				3
CISIWEB 424	Word Press Web Development				1.5

This certificate will provide experience with programming languages of different types.

Requirements for the Programming Foundations Certificate: (E129)

		Grade	IP	Need	Units
CIS 1	Introduction to Computer Information Systems				3
CISIWEB 72	Web Page Development and Publishing				3
CISIWEB 74	Creating Dynamic Web Content using JavaScript				3
CISPROG 1	Introduction to Computer Programming				3
CISPROG 5	Programming with Python				3

The Computer Foundations certificate provides students with a broad range of fundamentals hardware, software, operating system, Internet, networking, web development, and coding skills.

Requirements for the Computer Foundations Certificate: (E118)

**Non-Transcripted*

		Grade	IP	Need	Units
CIS 1	Introduction to Computer Information Systems				3
CIS 4	Fundamentals of Microsoft Windows				1.5
CIS 68	Internet Technologies				1.5
CIS 420	Computer Security Basics				1.5
CIS 460	Fundamentals of Coding				1.5
CISIWEB 424	WordPress Web Development				1.5

All courses required for a certificate must be completed with a minimum grade of C.

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Social media technicians communicate with the public through platforms that allow users to create and share content online. They run their employers' social media accounts, working to build a brand's reputation.

<i>Requirements for the Social Media Technician Certificate: (L120)</i>		Grade	IP	Need	Units
ART 82	Introduction to Digital Media (or ART 83, Web Design)				4
BUSMKT 55	Advertising				3
CIS 68	Internet Technologies				1.5
CIS 421	Social Media Technology				1.5
CISIWEB 72	Web Page Development and Publishing				3
CISIWEB 424	WordPress Web Development				1.5
COMSTD 12	Mass Communication and Society				3
JOUR 11	Multimedia Reporting (or JOUR 30, Student Media Practicum I)				3
PHOTO 7	Introduction to Digital Photography				4