

Information Technology

Industry Snapshot



Ever wonder how information and computers work together to help companies? Information Technology (IT) has as much to do with managing data as it does with computers, and IT jobs are spread across all types of businesses.

Information is best supported by computer technology, and any company that uses computers in its day-to-day operations requires IT support. Employment in this field is expected to grow due to demand for the design, construction, and management of computer networks, websites, security systems, and mobile technologies. IT jobs are growing occupations in Arizona.

Essential Industry Skills

For anyone who plans to enter the job market in this field, a strong knowledge base in computers, English, math and physics, along with systems analysis, reading comprehension, and operation monitoring skills.

High school students should meet with an advisor/counselor to create an appropriate career action plan that may include high school classes in:

- Computer Programming
- Math
- Physics
- Engineering Science
- Web Design

Source: O*NET & Western Maricopa Tech Prep Consortium



Occupation	Annual Entry-Level Wage Range*	Typical Training Required
Computer Programmers	\$39,440 - \$73,890	Associate's Degree**
Computer Support Specialists	\$28,940 - \$45,150	Associate's Degree
Network & Computer Systems Administrators	\$37,970 - \$68,230	Associate's Degree**
Web Developer/Webmaster	\$32,010 - \$64,580	Associate's Degree**

*Source: U.S. Bureau of Labor Statistics, 2010

**Some employers may require a bachelor's degree. For students seeking a bachelor's degree, the Maricopa Community Colleges offer courses in information technology that transfer to all three of Arizona's public universities.

Information Technology Programs at the Maricopa Community Colleges

Program	College/Skill Center	Program	College/Skill Center
CISCO		Information Security Wireless Networks	Glendale
Information Technology - Cisco Networking	South Mountain	Information Technology (IT)	Chandler-Gilbert
Network Administration - Cisco Network Associate	Mesa	IT - Programming & Systems Analysis	South Mountain
Network Administration - Cisco Network Professional	Chandler-Gilbert, Mesa, Mesa, Chandler-Gilbert, South Mountain	IT - Web & Graphic Design	South Mountain
Networking Administration - Cisco	Chandler-Gilbert, Estrella Mountain, GateWay, Glendale, Mesa, South Mountain	IT - Computer Applications Specialist	South Mountain
Networking System Administration	Mesa	IT - Network Server	South Mountain
Networking Technology - Cisco	Chandler-Gilbert, Estrella Mountain, GateWay, Glendale	IT Network Security	South Mountain
		Information Technology Support	South Mountain
		Microcomputer Applications	Glendale
		Microcomputer Applications - Office Specialist/Core Level	Chandler-Gilbert
		Microcomputer Applications - Office Specialist/Expert Level	Chandler-Gilbert
		Microcomputer Business Applications	Chandler-Gilbert, Glendale Mesa
		Multimedia & Business Technology	Scottsdale
		Network Administration	Rio Salado
		Networking - Design & System Support	Scottsdale
		Personal Computer Applications	Rio Salado
		Programming	Chandler-Gilbert, Estrella Mountain, Glendale, Mesa, Paradise Valley, Phoenix, Scottsdale, South Mountain
		Programming & Systems Analysis	Scottsdale
		Software Development	Mesa
		Software Quality Assurance	Estrella Mountain, Glendale, Paradise Valley, Phoenix
		Web Design	Scottsdale
		Web Design Technologies	Mesa
		Web Designer	Rio Salado
		Web Design - User Interface	Estrella Mountain, GateWay, Glendale, Mesa, Paradise Valley, Phoenix
		Web Developer	Scottsdale
		Web Development	Mesa
		Web Server Administrator	Mesa
		Web Technologies	Mesa
		LINUX	
		Linux Associate	Chandler-Gilbert, Estrella

Information Technology Programs (continued)

Program	College/Skill Center	Program	College/Skill Center
Linux Networking Administration	Mountain, Glendale, Mesa Estrella Mountain, Glendale, Mesa	MICROSOFT	
Linux Professional	Chandler-Gilbert, Estrella Mountain, Glendale, Mesa, Paradise Valley	Microsoft Application Development	Mesa, Paradise Valley
		Microsoft Desktop Support Technology	Chandler-Gilbert, Estrella Mountain, Glendale, Mesa, Paradise Valley
		Microsoft Networking Technology	Estrella Mountain, GateWay, Glendale, Paradise Valley
		Microsoft Systems Administration	Estrella Mountain, Glendale, Paradise Valley
		Microsoft Systems Engineer	Estrella Mountain, GateWay, Glendale, Paradise Valley
		Microsoft Technology Specialist	Chandler-Gilbert, Estrella Mountain, GateWay, Glendale, Paradise Valley
		Network Administration - Microsoft Windows Server	Chandler-Gilbert, Estrella Mountain, GateWay, Mesa
MEDIA TECHNOLOGY		ORACLE	
Animation	Glendale	Oracle Database Administration	Estrella Mountain
Animation - Imaging & Design Foundation	Glendale	Oracle Database Operations	Chandler-Gilbert
Broadcast Production	Scottsdale		
Comic & Sequential Art	Phoenix		
Digital Arts	Mesa		
Digital Design	Rio Salado		
Digital Photography	Phoenix		
Digital Arts - Digital Illustration	Mesa		
Digital Arts - Digital Photography	Mesa		
Digital Arts - Graphic Design	Mesa		
Digital Arts - Web Design	Mesa		
Editing	Scottsdale		
eLearning Design Specialist	Rio Salado		
Film Production	Scottsdale		
Game Technology	GateWay, Mesa		
Graphic Design	Glendale		
Media Arts - Computer Art/Illustration	Chandler-Gilbert, Phoenix		
Media Arts - Digital Animation	Phoenix		
Media Arts - Digital Imaging	Chandler-Gilbert, Phoenix		
Media Arts - Web Design	Phoenix		
Motion Picture/Television Production	Scottsdale		
Multimedia	Glendale		
Multimedia Technology	Mesa		
Screenwriting	Scottsdale		
Technical Theatre	Mesa, Paradise Valley, Phoenix, Scottsdale		
Video Production Technology	Glendale		
Web Publishing Design - Foundation	Glendale		
Web Publishing Design - Design & Authoring	Glendale		

Source: <http://www.maricopa.edu/academic/ccta/curric/index.php>