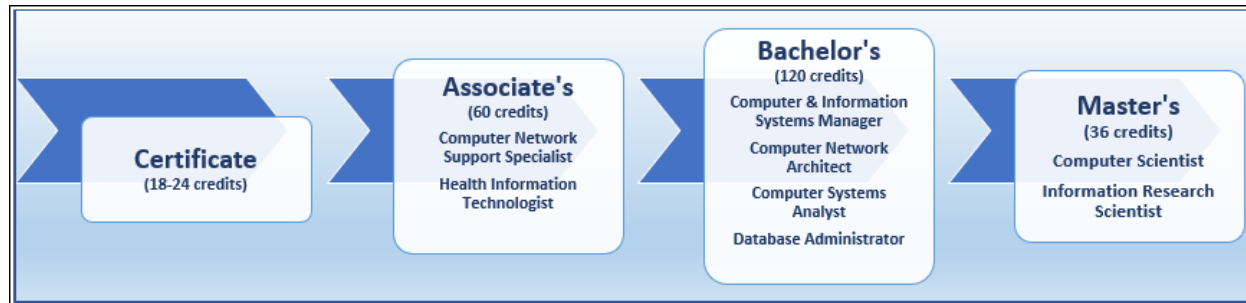


Computer and Information Technology Professional Pathways

[Computer and Information Technology](#) professionals create or support computer applications, systems, and networks. They provide administrative and technological support to improve business outcomes. Successful information technology specialists are key at troubleshooting issues.



SIMILAR OCCUPATIONS / CAREER TRANSITIONS

	OCCUPATION	JOB SUMMARY	ENTRY-LEVEL EDUCATION	2021 MEDIAN PAY
	Computer and Information Research Scientists	Computer and information research scientists design innovative uses for new and existing computing technology.	Master's degree	\$131,490
	Computer Support Specialists	Computer support specialists maintain computer networks and provide technical help to computer users.	See How to Become One	\$57,910
	Computer Systems Analysts	Computer systems analysts study an organization's current computer systems and design ways to improve efficiency.	Bachelor's degree	\$99,270
	Database Administrators and Architects	Database administrators and architects create or organize systems to store and secure data.	Bachelor's degree	\$101,000
	Information Security Analysts	Information security analysts plan and carry out security measures to protect an organization's computer networks and systems.	Bachelor's degree	\$102,600
	Network and Computer Systems Administrators	Network and computer systems administrators install, configure, and maintain organizations' computer networks and systems.	Bachelor's degree	\$80,600
	Software Developers, Quality Assurance Analysts, and Testers	Software developers design computer applications or programs. Software quality assurance analysts and testers identify problems with applications or programs and report defects.	Bachelor's degree	\$109,020
	Web Developers and Digital Designers	Web developers create and maintain websites. Digital designers develop, create, and test website or interface layout, functions, and navigation for usability.	Bachelor's degree	\$78,300

Table 1. This table shows a list of occupations with job duties that are similar to those of computer and information technology professionals. ((Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, *Computer and Information Technology*, at <https://www.bls.gov/ooh/computer-and-information-technology/home.htm> (accessed August 19, 2023).

Helpful Certifications

Certifications document your knowledge and level of expertise.

To earn the Microsoft Office Specialist: Associate certification, pass three of the following exams:

- [MO-100: Microsoft Word \(Office 2019\)](#)
- [MO-200: Microsoft Excel \(Office 2019\)](#)
- [MO-300: Microsoft PowerPoint \(Office 2019\)](#)
- [MO-400: Microsoft Outlook \(Office 2019\)](#)

Earn a [**Microsoft Office Specialist: Associate \(Microsoft 365 Apps\)**](#) certification by passing three of the following exams. All three must be in different programs and at least one must be a Microsoft 365 Apps exam.

- [**MO-110: Microsoft Word \(Microsoft 365 Apps\)**](#)
- [**MO-210: Microsoft Excel \(Microsoft 365 Apps\)**](#)
- [**MO-310: Microsoft PowerPoint \(Microsoft 365 Apps\)**](#)
- [**MO-100: Microsoft Word \(Office 2019\)**](#)
- [**MO-200: Microsoft Excel \(Office 2019\)**](#)
- [**MO-300: Microsoft PowerPoint \(Office 2019\)**](#)
- [**MO-400: Microsoft Outlook \(Office 2019\)**](#)

To earn a Microsoft Office Specialist: Expert certification, complete the following requirements:

- [**MO-111: Microsoft Word Expert \(Microsoft 365 Apps\)**](#)
- [**MO-211: Microsoft Excel Expert \(Microsoft 365 Apps\)**](#)
- [**MO-101: Microsoft Word Expert \(Office 2019\)**](#)
- [**MO-201: Microsoft Excel Expert \(Office 2019\)**](#)