

# CAREER PATHS IN INFORMATION TECHNOLOGY

## 4-YEAR OR MORE COLLEGE DEGREE AND/OR EQUIVALENT EXPERIENCE

Computer & Information Systems Managers  
\$76.82

Computer Systems Analysts  
\$50.94

Computer Programmers  
\$44.23

Network & Computer Systems Administrators  
\$43.95

## 1-2 YEAR COLLEGE DEGREE (OR CREDENTIAL)

Computer Network Support Specialists  
\$31.79

Computer User Support Specialists  
\$29.28

Web and Digital Interface Designers  
\$38.12

## HIGH SCHOOL DIPLOMA OR GED / ON-THE-JOB TRAINING

Telecommunications Equipment Installers and Repairers  
\$29.79

These jobs are in demand in Minnesota and these are Minnesota median wages. Data collected from Department of Employment and Economic Development.

## WHY CHOOSE A CAREER IN INFORMATION TECHNOLOGY?

Employment of computer and information technology occupations is projected to grow 13 percent from 2016 to 2026, faster than the average for all occupations. These occupations are projected to add about 557,100 new jobs. Demand for these workers will stem from greater emphasis on cloud-based computing, the collection and storage of big data, and information security.

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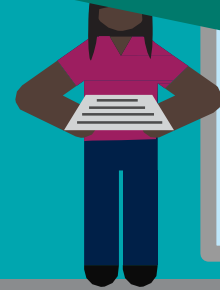
## 4-YEAR OR MORE COLLEGE DEGREE AND/OR EQUIVALENT EXPERIENCE

**Computer & Information Systems Managers \$76.82** Plan, direct, or coordinate activities in fields such as electronic data processing, information systems, systems analysis, and computer programming.

**Computer Programmers \$44.23** Create, modify, and test the code, and script that allow computer applications to run. Work from specifications drawn up by software developers and web developers or other individuals. May develop and write computer programs to store, locate, and retrieve specific documents, data, and information.

**Computer Systems Analysts \$50.94** Analyze science, engineering, business, and other data processing problems to implement and improve computer systems. Analyze user requirements, procedures, and problems to automate or improve existing systems and review computer system capabilities, workflow, and scheduling limitations. May analyze or recommend commercially available software.

**Network & Computer Systems Administrators \$43.95** Install, configure, and maintain an organization's local area network (LAN), wide area network (WAN), and data communications network, operating systems, and physical and virtual servers. Perform system monitoring and verify the integrity and availability of hardware, network, and server resources and systems. Review system and application logs and verify completion of scheduled jobs, including system backups. Analyze network and server resource consumption and control user access. Install and upgrade software and maintain software licenses. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software.



## 1-2 YEAR COLLEGE DEGREE (OR CREDENTIAL)

**Computer Network Support Specialists \$31.11** Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), cloud networks, servers, and other data communications networks. Perform network maintenance to ensure networks operate correctly with minimal interruption.

**Computer User Support Specialists \$28.66** Provide technical assistance to computer users. Answer questions or resolve computer problems for clients in person, via telephone, or electronically.

May provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems.

**Web and Digital Interface Designers \$38.12** Design digital user interfaces or websites. Develop and test layouts, interfaces, functionality, and navigation menus to ensure compatibility and usability across browsers or devices. May use web framework applications as well as client-side code and processes.



## HIGH SCHOOL DIPLOMA OR GED / ON-THE-JOB-TRAINING

**Telecommunications Equipment Installers and Repair \$29.79** Install, set-up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headends. Service or repair telephone, cable television, internet, and other communications equipment on customers' property. May install communications equipment or communications wiring.

