Information Technology

Information Support and Services

The implementation of computer systems and software, provision of technical assistance, creation of technical documentation and management of information systems is critical to the success of most 21st century organizations.

- Business Intelligence Analysts
- Computer Support Specialists
- Computer Systems Analysts
- Database Administrators
- Document Management Specialists
- Information Security Analysts
- Information Technology Project Managers

Web and Digital Communications

Organizations use digital media for creating, designing and producing interactive multimedia products and services. This includes development of digitally-generated or computer-enhanced media used in business, training, entertainment, communications and marketing.

- Computer Operators
- Graphic Designers
- Multimedia Artists and Animators
- Online Merchants
- Search Marketing Strategists
- Web Administrators
- Web Developers

Network Systems

Network analysis, planning and implementation, design, installation, maintenance and management of network systems are included in this pathway. Individuals with expertise in network systems are in high demand for a variety of positions.

- Computer and Information Systems Managers
- Computer Network Architects
- Computer Network Support Specialists
- Computer Security Specialists
- Network and Computer Systems Administrators
- Network Systems and Data Communications Analysts
- Software Developers, Systems Software

Programming and Software Development

Knowledge of computer operating systems, programming languages and software development is required to design and develop computer systems and software. People with expertise in programming and software development work to develop tomorrow's products for businesses and consumers.

- Computer and Information Systems Managers
- Computer Programmers
- Computer Systems Analysts
- Software Developers, Applications
- Software Developers, Systems Software
- Software Quality Assurance Engineers and Testers
- Video Game Designers

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- What education do I need for this occupation?
- Where can I get the necessary education?
- What are the future employment opportunities?
- What wages are typical?

Visit www.RUReady.ND.gov to learn more about these and other occupations.