

The background features a series of concentric circles in light gray, some solid and some dashed, creating a sense of depth and movement. A large, solid blue oval is positioned in the center, containing the text. A thick, dark gray curved line sweeps across the lower-left portion of the blue oval.

Information Technology

Network Technology

Intranet:

- **Development, installation, testing, monitoring, maintenance, security, support**

Hardware and software design

Network Technology Employers

Financial institutions

Insurance companies

Consulting firms

Manufacturers

Computer companies

Telecommunications companies

Retailers

Healthcare organization

Hotels and restaurants

Entertainment companies

Environmental management firms

Transportation companies

Education institutions

Research institutions

City, state, and federal government

Network Technology Strategies

Seek work experience in university computer labs or through related part-time jobs, internships or volunteer opportunities.

Develop effective analytical and problem solving skills.

Expect to spend a significant amount of time responding to inquiries from colleagues, customers and employees.

Acquire strong oral and written communication skills and an interest in helping others.

Gain knowledge in a variety of computer areas including programming, software and hardware.

Stay abreast of the latest network technologies.

Consider earning applicable certifications such as Cisco or Microsoft for some positions.

Technical Support

Customer/Product

Support

Sales marketing

Technical writing

Technical Support Employers

Software/hardware manufacturers

Systems developers

Technical service providers

Retail stores

Education institutions

Technical Support Strategies

Develop excellent communication skills and an interest in helping customers solve problems.

Exhibit patience and a commitment to customer satisfaction.

Secure experience working in university computer labs and at help desks.

Obtain general sales or customer service experience.

Acquire extensive knowledge of merchandise for retail sales positions.

Supplement curriculum with technical writing courses to develop skills.

Web Development

Website:

- **Design**
- **Programming/Development**
- **Management**

Administration

Web Development Employers

Internet-related companies:

- **Browsers**
- **Search engines**
- **Website design services**

**Most areas of
business, industry,
and government**

Web Development Strategies

Gain experience in web development or maintenance through part-time jobs or internships.

Seek expertise in information architecture and usability.

Volunteer to design web sites for student organizations or community groups.

Learn web-related programming languages.

Develop problem solving and creative thinking skills.

Learn to work effectively in a team by participating in group projects or student organizations.

General Information Technology Information

Professionals in this industry are excellent communicators who manage time efficiently. They are detail- and big picture-oriented.

Expect to work extended and/or irregular hours at times and to be “on call.”

Prepare to learn new information on a regular basis through online discussions, classes, conferences, periodicals and update your skills accordingly.

Certifications may be necessary for some technical careers. Obtain the certifications that are the most applicable to career goals and interests.

Gain as much diverse technical experience as possible. Seek positions in computer labs, retail computer/technology stores or as technological support for any office or business.

Investigate technology in additional areas such as audio/visual or telecommunications. Become familiar with the integration and application of these areas to management information systems.

Develop physical stamina and strength. Many networking professionals are involved in hands-on, physical activity during network installation and maintenance.

Specialize in a specific area of business or industry and become familiar with the applicable software and hardware. Earn a minor in your field of specialization i.e., biology for work with a scientific database.

Plan to earn a Master’s degree such as an MBA with a technology component for increased management opportunities.