

For information on Career Clusters, contact:

**The National Association of State Directors
of Career Technical Education Consortium**

444 North Capitol Street, NW Suite 830
Washington, D.C. 20001

Phone: (202) 737-0303 • Fax (202) 737-1106
www.nasdvtec.org

For resources and information on developing
an IT Career Cluster, contact:

Education Development Center, Inc.

Center for Education, Employment and Community
55 Chapel Street

Newton, MA 02458

Phone: (617) 618-2170 • Fax: (617) 332-4318
E-mail: ewit@edc.org



www.edc.org/EWIT



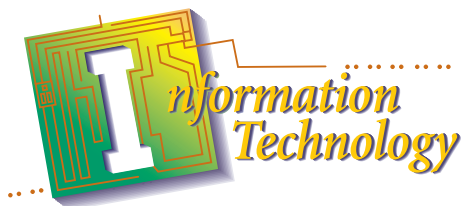
www.itaa.org



www.nab.com



Interested in a
career in Information
Technology?



How to Pursue an Education in Information Technology

IT careers involve the design, development, support and management of hardware, software, multimedia and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society. In addition to careers in the IT industry, IT careers are available in every sector of the economy — from Financial Services to Medical Services, Business to Engineering and Environmental Services.

Anyone preparing for an IT career should have a solid grounding in math and science.

A career in IT is challenging and ever-changing. Those who pursue jobs in the IT sector will quickly discover ongoing opportunities to learn about and work with exciting new technologies

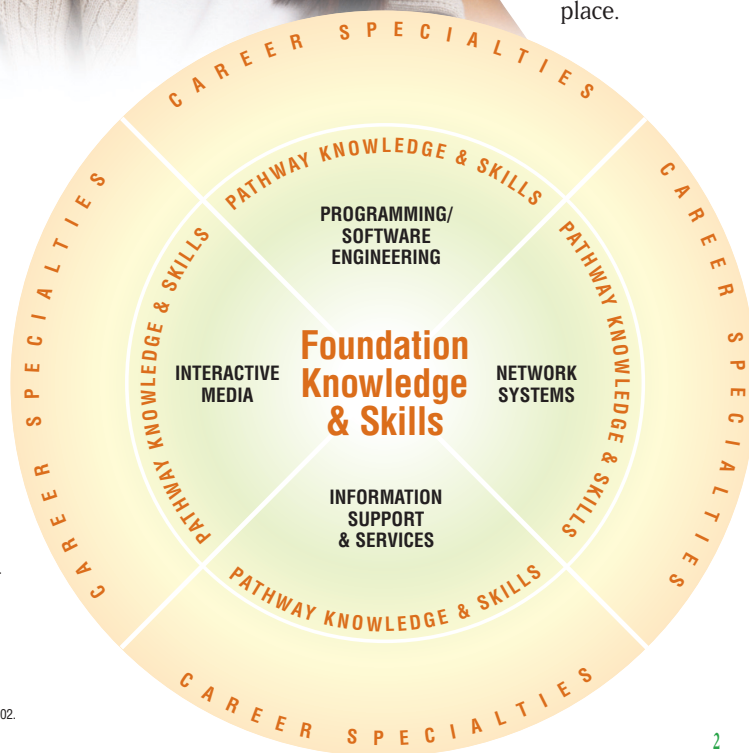
that are transforming our world. IT education can be obtained in four-year colleges, two-year community colleges and institutes, and high schools. Even in times of economic downturn, there is still a large market for people with IT skills in organizations of all sizes. The

Information Technology Association of America reports that U.S. employers will have approximately 1.1 million IT jobs to fill over the

next 12 months. ITAA expects continued growth opportunities within the IT field.*

Career Pathways at a Glance

Information technology careers are divided into four pathways; Network Systems, Information Support and Services, Programming and Software Development, and Interactive Media. Each of these pathways offers exciting and challenging career opportunities. The knowledge and skills identified form a strong foundation for success whether in a post-secondary institution, high school or at the workplace.



*Source: Bouncing Back: Jobs, Skills and the Continuing Demand for IT Workers, ITAA, May, 2002.

Network Systems

Overview

Careers in Network Systems involve network analysis, planning and implementation; including design, installation, maintenance and management of network systems. Successful establishment and maintenance of information technology infrastructure is critical to the success of almost every 21st century organization.

People with expertise in Network Systems are in high demand for a variety of positions in organizations of all sizes and types, doing work such as creating and maintaining the infrastructure in medical facilities that enables multiple doctors to view the same patient's X-rays in real-time to determine the diagnosis and the best treatment.



Sample Occupations

- Network Administrator
- Network Technician
- PC Support Specialist
- Telecommunications Network Technician
- Data Communications Analyst
- Security Administrator

Sampling of Industry Certificates

- CompTIA/Network+
- Cisco Certified Network Associate
- Microsoft Certified Systems Engineer (MCSE)

- Certified Novell Engineer (CNE)
- Nortel NetKnowledge Certification
- CompTIA/Security+

Job Outlook

Over 199,000 jobs in Networking Systems are projected immediately; 104,000 in IT companies and 95,000 in IT-reliant companies.*



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*Source: Bouncing Back: Jobs, Skills and the Continuing Demand for IT Workers, ITAA, May, 2002.