Information Technology Career Cluster

The Information Technology (IT) Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

Networking Systems (James Reese)
Statewide Program of Study

FBISD INSPIRE • EQUIP • IMAGINE | Career & Technical Education

The Networking Systems program of study explores the occupations and educational opportunities associated with both computer and network maintenance. Students grow their experience from basic computer maintenance to designing and implementing computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. If you are good at grasping how technology works or want a career that is always changing, then Information Technology Systems may be the right career pathway for you.

Secondary Courses for High School Credit

11th Grade
- Internetworking Technologies I

and
- Computer Maintenance/Lab

12th Grade
- Networking/Lab (AAC)

Postsecondary Opportunities

Associates Degrees
- Computer and Information Sciences, General
- Computer Systems Networking And Telecommunications
- Information Technology
- Network and System Administration/ Administrator

Bachelor's Degrees
- Computer and Information Sciences, General
- Computer Systems Networking And Telecommunications
- Computer and Information Systems Security/ Information Assurance
- Computer Engineering, General

Master's, Doctoral, and Professional Degrees
- Computer and Information Sciences, General
- Information Technology
- Computer and Information Systems Security/ Information Assurance
- Computer Engineering, General

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
• Join TSA or SkillsUSA	• Earn an IT certification • Job shadow a computer network architect or support specialist

Industry-Based Certifications

- CompTIA Network+ Certification



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Computer Network Architects	$111,633	1,082	23%
Computer Systems Analysts	$87,568	5,937	29%
Computer Network Support Specialists	$68,037	1,824	19%