Information technology (IT) is the study of design, development, implementation, support or management of computer-based information systems, particularly software applications and computer hardware. Information technology deals with the use of computers and computer software to convert, store, protect, process, transmit and securely retrieve information.

SECONDARY

**ENROLLMENT**

66,776
Enrollments in High School Programs

+ 88,029
Enrollments in Middle School Programs

= 154,805

**TOP CERTIFICATIONS EARNED BY K-12 STUDENTS**

1st
Microsoft Technology Associate (MTA) - Introduction to Programming Using HTML and CSS

2nd
Microsoft Technology Associate (MTA) - Windows OS Fundamentals

3rd
Microsoft Technology Associate (MTA) - Mobility and Devices Fundamentals

4th
CompTIA IT Fundamentals+

5th
Microsoft Technology Associate (MTA) - Introduction to Programming Using Python

**TOP HIGH SCHOOL PROGRAMS**

- Applied Information Technology (19,581)
- Computer Science Principles (10,632)
- Web Development (9,298)
- Game/Simulation/Animation Visual Design (9,180)
- Applied Cybersecurity (8,562)

**ARTICULATION PATHWAY TO COLLEGE**

- Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist
  - Articulates 3 credits
  - Computer Information Technology A.S. Degree

  **$320.70** in State College Tuition Savings
**DISTRICT POSTSECONDARY ENROLLMENT**

- **Enrollment**: 7,548
- **Districts**: 26
- **Career Certificate**: 99.9%
- **Apprenticeship**: <1%

**TOP CERTIFICATIONS**

1. CompTIA A+
2. Microsoft Office Specialist (MOS) Bundle Certification (3 of 6)
3. CompTIA Network+

**TOP PROGRAMS**

- Computer Systems & Information Technology (CAR) (1,729)
- Network Support Services (CAR) (1,299)
- Web Development (CAR) (1,148)
- Enterprise Desktop and Mobile Support Technology (CAR) (1,132)
- Network Systems Administration (CAR) (391)

**COLLEGE SYSTEM ENROLLMENT**

- **Enrollment**: 19,438
- **Colleges**: 26
- **Associate in Science**: 69%
- **College Credit Certificate**: 30%
- **Career Certificate**: <1%
- **Applied Technology Certificate**: 1%

**TOP CERTIFICATIONS**

1. CompTIA Security+
2. CompTIA Project+
3. CompTIA Cybersecurity Analyst (CySA+)

**TOP PROGRAMS**

- Computer Information Technology (AS) (3,886)
- Computer Programming and Analysis (AS) (3,791)
- Network Systems Technology (AS) (2,314)
- Cybersecurity (AS) (1,254)
- IT Security (AS) (1,211)

**EMPLOYMENT OUTLOOK**

- **HIGH WAGE**: $51.96 Per Hour Mean Wage
- **HIGH GROWTH**: 2.1% Annual Growth Rate
- **ANNUAL OPENINGS**: 4,748 Annual Openings

Notes: Based on 2021-2022 data.