

## TECHNOLOGY

### FEATURED CAREER PATHWAYS

#### NETWORK SECURITY

Network security is the protection of computer and network systems from digital theft, damage, or sabotage. Cyberattacks are external threats, centered on interrupting normal business processes. Network security focuses on efforts to detect, identify, and respond to external cyber threats and how to recover from them.

#### AUTOMATION & ROBOTICS

Automation is the process of using physical machines, computer software, and other technologies to perform tasks that are usually done by humans. Robotics is the process of designing, creating, and using robots to perform a certain task. Both use computer coding to create, design, and deploy software.

### WHAT IS IT

Computers can be found today in almost every home, business, and industry. The demand for people with technology training is very high. Technology careers involve developing and maintaining computer systems and creating applications for individuals and organizations to conduct their everyday business.

### WHAT WILL I DO?

If you work in technology, you might be a network administrator responsible for a company's entire network system. As a computer programmer, you can work on developing code that creates an application used by businesses to perform certain tasks. A business intelligence analyst might analyze data that helps an organization make better strategic business decisions.

### LEADS TO THESE CAREERS

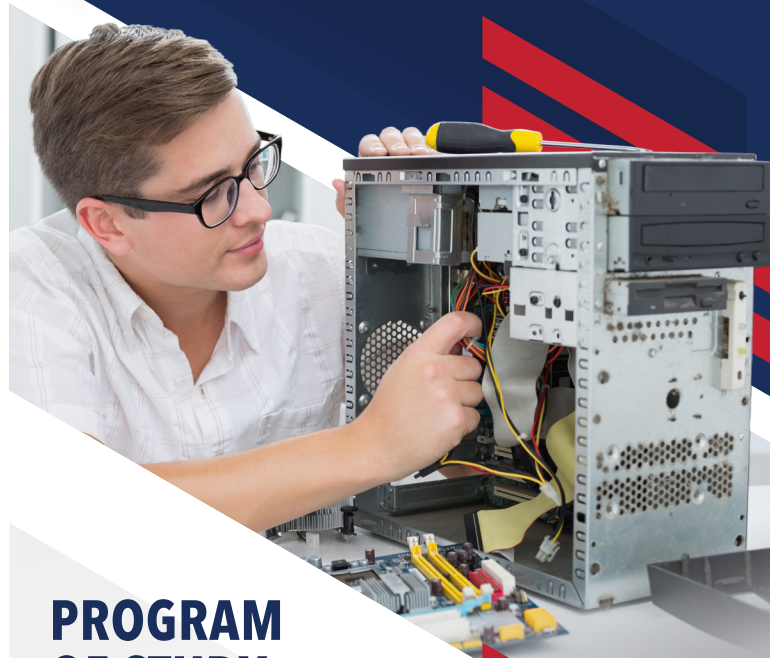
- Computer Programmer
- Computer Support Specialist
- Cybersecurity Analyst
- Database Administrator
- Web Developer
- Game Developer
- Software Applications Developer

### IS THIS FOR ME?

Do you "get" computers and technology?  
Are you good at math and attention to details?  
Are you focused, patient, and persistent?



## APPLIED TECHNOLOGIES



### PROGRAM OF STUDY

#### 9TH GRADE:

Career & College Readiness  
Business 101



#### 10TH-12TH GRADE:

Courses in your chosen pathway. Seniors have the opportunity to develop an independent program designed to earn specialized industry certifications.

### BECOME A LEADER

The Technology Student Association (TSA) is a national organization devoted exclusively to the needs of students interested in science, technology, engineering, and mathematics (STEM). TSA promotes a variety of STEM competitions and opportunities for students and teachers.



*"Computers themselves, and software yet to be developed, will revolutionize the way we learn." - Steve Jobs*

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