

## INFORMATION TECHNOLOGY

CYBERSECURITY  
PATHWAY

*The increased use of computers has created a high demand for specialists to provide advice to users, as well as for day-to-day administration, maintenance, and support of computer systems and networks. This pathway is designed to introduce students to the field of cybersecurity while examining best practices related to the management of security, ethics, trust, internal/external threats, cryptography, and wireless technologies. Computer-related jobs are generally high paying, and those working in the profession require a foundational knowledge of problem solving and logical thinking.*

## PATHWAY COURSES

- Introduction to Hardware Technology
- Introduction to Cybersecurity
- Advanced Cybersecurity

## RECOMMENDED COURSES

- Any Advanced Math Course
- Any Business and Computer Science Course
- Any Engineering Course
- Any World Language

## POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES

## TECHNICAL COLLEGES

- Cybersecurity
- Cyber Crime Specialist
- Computer Support Specialist

## COLLEGES/UNIVERSITIES

- Computer Support Specialist
- Computer Science
- Management Information Systems

## CAREER AND TECHNICAL STUDENT ORGANIZATIONS



## TOP CAREER CHOICES

**Computer & Information Systems Managers**

Bachelor Degree needed  
\$134,679 annual salary  
333 annual average openings in Georgia

**Computer Support Specialists**

Some College/No Degree Required  
\$44,700 annual salary  
830 annual average openings in Georgia

**Network & Computer System Administrators**

Bachelor Degree needed  
\$83,734 annual salary  
246 annual average openings in Georgia

## ADDITIONAL CAREER CHOICES

Administrative Support Workers Network  
Computer & Information Systems Managers  
Computer System Administrators  
Computer Network Support Specialist  
Computer Operators  
Computer User Support Specialist  
First-Line Supervisors of Office



**CAREER  
EXPLORATION  
& Pathway Discovery**  
CTAE Career Pathways / Fine Arts Pathways



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>