

INFORMATION TECHNOLOGY CLUSTER

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



Source: GADOE Plans of Study

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



Forsyth County Schools



CTAE Career Pathways / Fine Arts Pathways

- Alliance Academy for Innovation
- Denmark High School
- East Forsyth High School
- Forsyth Central High School
- Forsyth Virtual Academy
- Lambert High School
- North Forsyth High School
- South Forsyth High School
- West Forsyth High School