

## INFORMATION TECHNOLOGY

COMPUTER  
SCIENCE  
PATHWAY

Careers in Computer Science lead individuals to create, modify, and test codes - all while inventing and designing new approaches to computing technology and finding innovative uses for existing technology. Career area focus requires solving complex problems in computing for business, medicine, science, and other fields.

**PATHWAY COURSES**

- Introduction to Software Technology
- Computer Science Principles or AP Computer Science Principles
- AP Computer Science A

**RECOMMENDED COURSES**

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

**POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES**

## TECHNICAL COLLEGES

- CISCO CCNP Specialist and Network Specialist
- Computer Engineering Technology
- Computer System Design Specialist
- Computer Support Specialist
- Electrical and Computer Engineering Technology
- Electromechanical Engineering Technology
- Industrial Engineering Technology
- Internet Specialist/Website Design
- LINUX/UNIX System Administrator
- Network Design Technology Specialist
- PC Repair & Network Technician
- Telecommunications Engineering Technology
- Wireless Engineering Technology and Networking Technician

## COLLEGES/UNIVERSITIES

- Bachelor of Arts with a Major in Applied Computer Science
- Bachelor of Science with a Major in Computer Game Design and Development
- Bachelor of Science with a Major in Computer Science
- Computer Systems Engineering

**CAREER AND TECHNICAL STUDENT ORGANIZATIONS**

- 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

**TOP CAREER CHOICES****Computer Programmers**

Bachelor Degree needed  
\$75,400 annual salary  
230 annual average openings in Georgia

**Computer System Analysts**

Bachelor Degree needed  
\$73,800 annual salary  
810 annual average openings in Georgia

**Software Developers, Application**

Bachelor Degree needed  
\$86,300 annual salary  
340 annual average openings in Georgia

**ADDITIONAL CAREER CHOICES**

Computer Programmers  
Computer & Information Systems Managers  
Computer Hardware Engineers  
Computer Network Architects  
Computer System Analysts  
Database Administrators  
Information Security Analysts  
Network and Computer Systems Administrators  
Software Engineers  
Video Game Designers



Forsyth County Schools

**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>