



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

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



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



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>

- 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