INFORMATION TECHNOLOGY CLUSTER

CLOUD COMPUTING PATHWAY

The Cloud Computing courses in information technology provides a foundational knowledge in programming languages, software development, app creation and the basics of cloud computing. Technical content includes designing, developing, and deploying a virtual private network, creating a cloud environment that is scalable, and demonstrating safe use of big data. College preparatory students benefit from this pathway if they plan to pursue a degree in Computer Science. It also serves as a foundation for those students wishing to pursue a certificate credential at the technical school level or enter the workforce with entry-level skills.

PATHWAY COURSES
- Introduction to Software Technology
- Computer Science Principles or AP Computer Science Principles
- Cloud Computing

RECOMMENDED COURSES
- Mathematics
- Programming Languages
- Engineering

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES
TECHNICAL COLLEGES
- Associate of Applied Science

COLLEGES/UNIVERSITIES
- Bachelor of Science, Computer Science
- Bachelor of Science, Computer Engineering
- Master or Ph.D of Computational Science and Engineering
- Master or Ph.D of Computer Science

CERTIFICATES
- AWS Certified Cloud Practitioner
- Google Associate Cloud Engineer
- Microsoft Certified Azure Fundamentals

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

Georgia FBLA   SkillsUSA GEORGIA   Georgia TECHNOLOGY STUDENT ASSOCIATION   cti Career & Technical Instruction

TOP CAREERS CHOICES

AWS Certified Cloud Practitioner
$113,937

Software Engineer
Bachelor's Degree or higher
$104,730

Computer Systems Engineer
Bachelor's Degree or higher
$86,960

Systems Administrator
Bachelor's Degree or higher
$82,897

ADDITIONAL CAREER CHOICES

Software Engineer

Cloud Engineer

Data Engineer

System Engineer

Full Stack Developer

Java Developer

Data Scientist

Systems Administrator

.NET Developer

Front-end Developer

GaDOE **Source: GADOE Plans of Study**
http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx

Forsyth County Schools
CAREER EXPLORATION
& Pathway Discovery
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