



*People with careers in engineering, drawing, and design are people who solve problems and focus on making things work more efficiently and effectively. Engineers apply the theories and principles of science and mathematics to research and develop economical solutions to technical problems. Their work is the link between perceived social needs and commercial applications.*

#### PATHWAY COURSES

- Introduction to Drafting and Design
- Architectural Drawing and Design I
- Architectural Drawing and Design II

#### RECOMMENDED COURSES

- Advanced Algebra/Trigonometry
- Calculus
- Computer Applications
- Entrepreneurship
- Introduction to Animation and 3D Design
- Physics
- Work-Based Learning
- World Language

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

##### TECHNICAL COLLEGES

- CAD Operator
- Land Development
- Project Management
- Specialty Construction

##### COLLEGES/UNIVERSITIES

- Architecture
- Civil Engineering Technology
- Construction Engineering
- Construction Management
- Surveying and Mapping

#### CAREER AND TECHNICAL STUDENT ORGANIZATIONS



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

#### ARCHITECTURE AND CONSTRUCTION

## ARCHITECTURAL DRAWING AND DESIGN PATHWAY

#### TOP CAREER CHOICES

##### Architect

Moderate-Term On-the-Job Training needed  
\$53,000 annual salary  
110 annual average openings in Georgia

##### Architectural and Civil Drafter

Post-Secondary Vocational Training needed  
\$42,078 annual salary  
80 annual average openings in Georgia

##### Mechanical Drafter

Post-Secondary Vocational Training needed  
\$42,141 annual salary  
40 annual average openings in Georgia

##### Surveying and Mapping Technician

Moderate-Term On-the-Job Training needed  
\$43,540 annual salary  
110 annual average openings in Georgia

##### Surveyor

Bachelor Degree needed  
\$59,000 annual salary  
110 annual average openings in Georgia

#### ADDITIONAL CAREER CHOICES

Architectural Detailer  
Architectural Engineer  
Building Inspector  
Civil Engineer  
Designer  
Drafter  
Electrical Engineer  
Environmental Engineer  
Interior Designer  
Landscape Designer  
Structural Detailer  
Structural Engineer  
Technician  
Urban Planner



**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>