



**ARCHITECTURE AND
CONSTRUCTION CLUSTER**

ARCHITECTURAL DRAWING AND DESIGN PATHWAY

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



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



Source: GADOE Plans of Study

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



**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