



Is this the right cluster for you? Take this quiz to find out. Answer “yes” or “no” to the following questions.

Do you like to draw?

Are you good at working with tools?

Did you build things with Legos or blocks as a child?

Do you get good grades in math and science?

Do you like working on projects as part of a team?

Have you ever built a tree house or another structure?

Do you enjoy decorating your bedroom or other rooms in your home?

Are you good at following directions?

Do you dream of constructing skyscrapers or other structures?

If you answered “yes” to five or more of the above questions, this may be the right cluster for you. To get a more specific and scientific measurement of your attitudes and abilities, ask your guidance counselor or teacher about taking a career assessment test or interest inventory.

Ask your guidance counselor which High School Courses and/or GCC Dual- Credit Courses you need to take in order to get started towards a future high demand– high wage occupation!



## Grayson County College

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This career cluster falls in the following of John Holland’s Career Personality Types:

### Realistic

- Likes to work with animals, tools, or machines; generally avoids social activities like teaching, healing, and informing others;
- Has good skills in working with tools, mechanical or electrical drawings, machines, or plants and animals;
- Values practical things you can see, touch, and use like plants and animals, tools, equipment, or machines; and
- Sees self as practical, mechanical, and realistic.

### Artistic

- Likes to do creative activities like art, drama, crafts, dance, music, or creative writing; generally avoids highly ordered or repetitive activities;
- Has good artistic abilities -- in creative writing, drama, crafts, music, or art;
- Values the creative arts -- like drama, music, art, or the works of creative writers; and
- Sees self as expressive, original, and independent.

### Conventional

- Likes to work with numbers, records, or machines in a set, orderly way; generally avoids ambiguous, unstructured activities
- Is good at working with written records and numbers in a systematic, orderly way;
- Values success in business; and
- Sees self as orderly, and good at following a set plan.



## CAREER CLUSTERS

Connecting Education  
with Your Future!



*Careers in designing, planning, managing, building and maintaining the built environment.*



If you like to design and build things, tinker with tools and technology, or decorate homes and offices with flooring, paint, furniture, and art, then Architecture & Construction could be the right career cluster for you.





**Engineering and Technology** — Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.

**Active Listening** — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

**Mathematics** — Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.

**Troubleshooting** — Determining causes of operating errors and deciding what to do about it.

**Critical Thinking** — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

## Cluster Knowledge & Skills

### Construction

Certified Engineers 120K+  
Construction Manager 64K+  
Cost Estimator 62K+  
Architect Technician 51K+  
Solar Engineer Technician 51K+  
Welders 42K+  
HVAC Technicians 36K+  
Construction Equip. Operators 31K+†

**Certificates**  
CAD Technician, Drafting Assistant, HVAC Technician, HVAC Installer, Structural Welder, Combination Welder

**Degrees**  
ASS Drafting/CADD, AS Engineering, AAS Welding, AS Physics, AAS HVAV, AS General Studies

### Design & Pre-Construction

Engineering Technicians 48K+  
Interior Designer 44K+  
Surveyor 44k+  
CAD Technician 42K+  
Welders 42K+  
Video Systems Technician 40K+  
HVAC Technicians 36K+  
HVAC Installers 24K+

**Certificates**  
CAD Technician, Drafting Assistant, HVAC Technician, HVAC Installer, Structural Welder, Combination Welder

**Degrees**  
ASS Drafting/CADD, AS Engineering, AAS Welding, AS Physics, AAS HVAV, AS General Studies

### Maintenance/Operations

Electrical Equip. Repairer 47K+  
Welders, Cutters, Fitters 42K++  
Geothermal Technicians 36K+  
HVAC Technicians 36K+  
Wind Turbine Technicians 31K+  
CAD Technicians 30K+  
Electronic Equip. Installer 30K+

**Certificates**  
CAD Technician, Drafting Assistant, HVAC Technician, HVAC Installer, Structural Welder, Combination Welder

**Degrees**  
AS Drafting/CADD, AS Engineering, AAS Welding, AS Physics, AAS HVAV, AS General Studies, AS Geology