



Is Agriculture, Food & Natural Resources the right cluster for you? Take this quiz to find out. Answer “yes” or “no” to the following ques-

- Do you like working outdoors?
- Are you good with animals?
- Are you organized?
- Do you like working with your hands?
- Are you interested in environmental issues?
- Do you like working with tools and machinery?
- Do you enjoy gardening?
- Do you like hunting and fishing?
- Are you interested in biological sciences?

If you answered “yes” to five or more of the above questions, Agriculture, Food & Natural Resources 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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According to John Holland's theory, most people are one of six personality types:

- **Realistic**
- **Investigative**
- **Artistic**
- **Social**
- **Enterprising**
- **Conventional**

This career cluster falls in the following:

### 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.



### CAREER CLUSTERS

Connecting Education with Your Future!



*The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.*



Careers in  
**AGRICULTURE, FOOD & NATURAL RESOURCES**  
include farming, biotechnology, wildlife management, and more.





Agriculture, Food & Natural Resources



GRAYSON COUNTY COLLEGE

## C I U S T E R   K N O W L E D G E   &   S K I L L S

**Biology** — Knowledge of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment.

**English Language** — Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

**Food Production** — Knowledge of techniques and equipment for planting, growing, and harvesting food products (both plant and animal) for consumption, including storage/handling techniques.

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

**Chemistry** — Knowledge of the chemical composition, structure, and properties of substances and of the chemical processes and transformations that they undergo. This includes uses of chemicals and their interactions, danger signs, production techniques, and disposal methods.

### Animal Systems & Food Processing Systems

Veterinarian, 78K+, Animal Geneticist 65K+, Animal Nutritionist 64K, Wildlife Biologist Zoologist 48K+, Food Scientist 68K+, Biochemist 68K+, Nutritionist 67K+, Dietician 65K+, Snack Food Designer 65K+

Certificates  
Viticulture, Enology

Degrees  
AS Biology, AS Chemistry, AS Business Administration, AS Geology, AAS Viticulture & Enology

### Environmental Service & Natural Resource Systems

Soil Scientist 67K+, Agronomist 67K+, Range Scientist 64K+, Arborist 64K+, Forester 63K+, Forest Ranger 56K+, Game Warden 54K+  
Parks & Recreation Director/Superintendent 54K+  
Fisheries/Aquaculturist 54K+  
Hydrologist 54K+, Horticulturist 52K+

Certificates  
Office Support Certification

Degrees  
AS Biology, AS Chemistry, AS Business Administration, AS Geology, AAS Viticulture

### Plant Systems

Biochemist 68K+, Agronomist 67K+, Geneticist 67K+, Plant Breeder 67K+, Plant Scientist 67K+Horticulturist 52K+, Entomologist 52K+

Certificates  
Viticulture, Enology

Degrees  
AS Biology, AS Business Administration, AS Geology, AAS Viticulture & Enology, AS Chemistry

### Power Structural Systems

Agriculture Engineer 65K+, Welder Cutter 42K+, Fitter 42K+, Auto Body Repairers 35K+

Certificates  
CAD Technician, Drafting Assistant, HVAC Technician, HVAC Installer, Structural Welder, Combination Welder, Basic Collision

Degrees  
ASS Drafting/CADD, AS Engineering, AAS Welding, AS Physics, AAS HVAV, AAS Collision Repair