

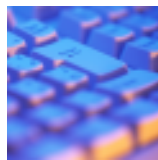


Is this the right cluster for you? Take this quiz to find out. Answer “yes” or “no” to the following questions.

- Do you like to tinker with electrical equipment?
- Do you enjoy video games?
- Do you like to play chess?
- Are you good at math?
- Do you pay attention to details?
- Do you like following a blueprint to build things?
- Do you prefer to gather all the facts before making a decision?
- Do you like solving puzzles and brainteasers?
- Do you like working with computers?

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

6101 Grayson Drive  
Denison, Texas 75020  
www.grayson.edu

This career cluster falls under John Holland's 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.

### Investigative

- Likes to study and solve math or science problems; generally avoids leading, selling, or persuading people;
- Is good at understanding and solving science and math problems;
- Values science; and  
Sees self as precise, scientific, and intellectual.

### 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!



*Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.*



If you are good at grasping how technology works, have an idea for a new website or computer game, or want a career that is always changing, then Information Technology may be the right cluster for you.





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

**Computers and Electronics** — Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.

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

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

**Customer and Personal Service** — Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

**Administration and Management** — Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.

## Information Support & Services

Database Administrator 70K+  
 Computer Systems Analyst 65K+  
 Data Modeler Database Analyst 65K+  
 IT Service Technician 65K+  
 Data Tester Security Expert 60K+

**Certificates**  
 Computer Entrepreneur, Office Support Certification, Instructional Media Technician, Webmaster Assistant Advanced Skills

**Degrees**  
 AS Math, AS Computer Science & Information, AAS Computer Software & Systems Technician, AAS Office and Computer Technology

## Interactive Media

Web Page Maker 67K+  
 Gaming Creator 46K+  
 Electronics Technician 46K+  
 Graphic Designer 46K+  
 Multimedia Artist 43K+

**Certificates**  
 Computer Entrepreneur, Instructional Media Technician, Webmaster Assistant Advanced Skills

**Degrees**  
 AS Math, AAS Microcomputer Applications, AS Computer Science & Information, AAS Computer Software & Systems

## Network Systems

Data Communications Analysts 82K+  
 Database Administrator 75k+  
 Computer Hardware Engineer 71k+  
 Network Administrator 59k+  
 Electronics Technician 59K+

**Certificates**  
 Computer Network Technician, Convergence Technology, Basic Cisco Network Specialist, Computer Entrepreneur, Networking Specialist Enhanced Skills

**Degrees**  
 Computer Maintenance & Networking Technology  
 Computer Science/ Information Systems

## Programming & Software Development

Software Engineer 79K+  
 Systems Engineer 80K+  
 Applications Engineer 80K+  
 Programmer 70K+  
 Computer Support Specialist 65K+

**Certificates**  
 Computer Entrepreneur, Microcomputer Applications, Webmaster Assistant

**Degrees**  
 AS Math, AAS Microcomputer Applications, AS Computer Science & Information, AAS Computer Software & Systems, AAS Office and Computer Technology