16 Career Clusters

* **Agriculture, Food & Natural Resources P. 156 in Careers Book**

*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.*

[*http://www.youtube.com/watch?v=L-jtvwUKifE*](http://www.youtube.com/watch?v=L-jtvwUKifE) *Agriculture Careers*

This career cluster is organized into eight career pathways:

* Animal systems
* Agribusiness systems
* Biotechnology systems
* Environmental service systems
* Food products and processing systems
* Natural resources systems
* Plant systems
* Power, structural and technical systems

**Careers**

Students in agriculture, food and natural resources learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

A variety of interesting careers include:

|  |  |
| --- | --- |
| * Agriculture bankers
* Commodity traders
* Plant pathologists
* Agronomists
* ARS Scientists
* Agriculture mechanics
* Ranchers
* Farmers
* Production supervisors
* Natural resource specialists
* Biochemists
 | * USDA Inspectors
* Meat processors
* Wholesale food purchasers
* Irrigation specialists
* Horticulture specialists
* Landscapers
* Turf managers
* Agriculture education teachers
* Forest geneticists
* Extension specialists
* Veterinarians
* USDA Graders
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<http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=1&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/45-2021.00.flv&v_code=45-2021.00>

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=1&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/49-3041.00.flv&v\_code=49-3041.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=1&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/49-3041.00.flv&v_code=49-3041.00)

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=1&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/11-9011.03.flv&v\_code=11-9011.03*

* **Architecture & Construction P. 168 in Careers Book**

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

If you dream of designing, planning, managing, building or maintaining the structures where we live, work and play, then the Architecture and Construction Career Cluster is for you.

This career cluster is organized into three career pathways:

* Construction
* Design and Pre-Construction
* Maintenance and Operations

<http://vimeo.com/9630241> Construction Trades

**Careers**

Students in architecture and construction learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

* Architectural and civil drafter or engineer
* Environmental designer
* Residential or commercial carpenter
* Construction worker
* Systems configuration manager
* Electrical design engineer
* HVAC/HVACR technician
* Building services technician
* Painter
* Sheet metal technician
* Mason and Bricklayers
* Ironworker
* Plumbing
* Electrician
* Drywall/Framing
* Roofing

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=2&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/47-2031.00.flv&v\_code=47-2031.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=2&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/47-2031.00.flv&v_code=47-2031.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=2&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/47-2051.00.flv&v\_code=47-2051.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=2&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/47-2051.00.flv&v_code=47-2051.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=2&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/47-2111.00.flv&v\_code=47-2111.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=2&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/47-2111.00.flv&v_code=47-2111.00)

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=2&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/47-2141.00.flv&v\_code=47-2141.00*

* **Arts, A/V Technology & Communications P. 183 in Careers Book**

*Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.*

Creative students who see themselves designing, producing, exhibiting, performing, writing or publishing multimedia content will want to pursue courses in the Arts, A/V Technology and Communications Career Cluster.

You will apply artistic talent to practical problems and learn visual arts principles that prepare you with skills and techniques to work in any number of creative design and entertainment fields.

This career cluster is organized into six career pathways:

* Audio and video technology and film
* Broadcasting and journalism
* Performing arts
* Printing technology
* Telecommunications
* Visual Arts

**Careers**

Students in arts, A-V technology and communications learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

CTE classes in this cluster will introduce you to a variety of interesting careers including:

* Video or web producer Film maker
* Graphic designer Television studio producer
* Stage designer Publisher
* Radio broadcaster Fashion/apparel designer or illustrator
* Interior designer Home furnishing coordinator
* Textile designer or chemist Curator or gallery manager
* Costume designer

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<http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=3&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/53-7062.02.flv&v_code=53-7062.02>

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* **Business Management & Administration P. 74 in Careers Book**

*Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.*

If you want to run your own business or be the person that makes a business successful, be sure to look at the opportunities in the Business, Management and Administration Career Cluster. Students learn business skills essential to efficient, productive operations for any company.

This career cluster is organized into five career pathways:

* Administrative and information support
* Business analysis
* Business, financial management and accounting
* Human resources
* Management

**Careers**

Students in business, management and administration learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

Work cluster will introduce you to a variety of interesting careers including:

* Chief executive officer CEO Entrepreneur
* Controller Adjuster
* Budget, cost or systems analyst Marketing manager
* Human resources manager Training and development specialist
* Executive assistant Wholesale or retail buyer
* Retail salesperson Meeting and convention planner
* Bookkeeper Office manager
* Receptionist

<http://www.youtube.com/watch?v=JClR9X9gPx4>

http://www.youtube.com/watch?v=eyxWlEkLqfg&feature=related

http://www.youtube.com/watch?v=KjbxeutA3fs&feature=related

<http://www.youtube.com/watch?v=OFrAUoXvpFk&feature=related>

<http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=4&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/13-1071.02.flv&v_code=13-1071.02>

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* **Education & Training P. 88 in Careers Book**

*Planning, managing and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services.*

If you want to have a lifelong impact on others, then you will want to take a close look at the Education and Training Career Cluster. This family of classes and practical experiences develops the art of teaching, planning and administration in schools, colleges, technical institutes and businesses. Education is one of the basic rights of children in America, and states always need qualified teachers.

This career cluster is organized into three career pathways:

* Administration and administrative support
* Professional support services
* Teaching and training

**Careers**

Students in education and training learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

CTE classes in this cluster will introduce you to a variety of interesting careers including:

* Superintendent, principal or administrator
* Teacher or instructor
* Preschool or kindergarten teacher
* Clinical, developmental or social psychologist
* Social worker
* Counselor
* Teacher assistant
* Parent educator
* Child care worker
* Coach
* Recreation worker
* Sign language interpreter

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=5&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/25-3011.00.flv&v\_code=25-3011.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=5&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/25-3011.00.flv&v_code=25-3011.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=5&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/21-1091.00.flv&v\_code=21-1091.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=5&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/21-1091.00.flv&v_code=21-1091.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=5&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/25-4021.00.flv&v\_code=25-4021.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=5&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/25-4021.00.flv&v_code=25-4021.00)

* **Finance P. 74 in Careers Book**

*Planning and related services for financial and investment planning, banking, insurance, and business financial management.*

The finance industry is a critical sector that employs millions of people. The Finance Career Cluster prepares students for careers in financial and investment planning, banking, insurance and business financial management. Finance career opportunities are available in every sector of the economy and require skill in organization, time management, customer service and communication.

This career cluster is organized into four career pathways:

* Banking and related services
* Business financial management
* Financial and investment planning
* Insurance services

**Careers**

Students in finance learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

CTE classes in this cluster will introduce you to a variety of interesting careers including:

|  |  |
| --- | --- |
| * Accountant
* Auditor
* Development officer
* Financial analyst
* Treasurer
* Controller
* Economist
* Budget analyst
* Personal financial advisor
 | * Tax preparer
* Investment advisor
* Loan officer
* Debt counselor
* Actuary
* Underwriter
* Insurance appraiser
* Bank teller
 |

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=6&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/13-2011.01.flv&v\_code=13-2011.01*

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=6&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-3031.00.flv&v\_code=43-3031.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=6&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-3031.00.flv&v_code=43-3031.00)

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[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=6&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-3071.00.flv&v\_code=43-3071.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=6&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-3071.00.flv&v_code=43-3071.00)

* **Government & Public Administration P. 100 in Careers Book**

*Planning and executing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.*

If you are interested in shaping or protecting the future of your city, state and country, the Government and Public Administration Career Cluster may be for you. Though there are some areas that are unique to military service, virtually every occupation can be found within government.

This career cluster is organized into seven career pathways:

* Governance
* National security
* Foreign service
* Planning
* Revenue and taxation
* Regulation
* Public management and administration

**Careers**

Students headed for government and public administration careers need to learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

Government and public administration careers include:

|  |  |
| --- | --- |
| * Elected official (city council, mayor, governor, etc.)
* City manager
* Lobbyist
* Legislative assistant
* Military member (Army, Navy, Marine Corps, Air Force, Coast Guard)
* Foreign service, diplomatic or consular officer
* Planner
* Census clerk Federal aid coordinator
* Tax examiner Internal revenue agent or investigator

<http://kids.usa.gov/jobs/index.shtml> <http://www.savevid.com/video/government-and-public-administration-careersorg-occupation-profile.html><http://vervideos.mobi/?sk=video&vid=OORg071JFGM><http://www.whitehouse.gov/about/inside-white-house>  | * Auditor
* Bank examiner
* Election supervisor
* Cargo or border inspector
* Child support officer
* Court administrator
* City, county or court clerk
* Guardian ad litem
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* **Health Science P. 196 in Careers Book**

*Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.*

Healthcare is the largest and fastest-growing industry in the United States. In the Health Science Career Cluster you can prepare for a career that promotes health, wellness and diagnosis, and treats injuries and diseases.

Some careers involve working directly with people, while others involve research into diseases or collecting and formatting data and information. You could work in hospitals, medical or dental offices, laboratories, communities, medivac units, sports arenas or cruise ships.

This career cluster is organized into five career pathways:

* Biotechnology research and development
* Diagnostic services
* Health informatics
* Support services
* Therapeutic services

**Careers**

Students in health science learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

|  |  |
| --- | --- |
| * Physician
* Surgeon
* Nurse
* Dentist
* Scientist
* Hospital administrator
* Health unit coordinator
* Nutritionist or dietician
 | * Medical or public health researcher
* Medical lab technician
* Physician’s or medical assistant
* Nursing assistant
* Dental assistant
* Transcriptionist
* Physical therapist
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[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=8&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/29-1061.00.flv&v\_code=29-1061.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=8&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/29-1061.00.flv&v_code=29-1061.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=8&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/29-1121.00.flv&v\_code=29-1121.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=8&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/29-1121.00.flv&v_code=29-1121.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=8&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/31-9011.00.flv&v\_code=31-9011.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=8&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/31-9011.00.flv&v_code=31-9011.00)

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=8&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-6013.00.flv&v\_code=43-6013.00*

* **Hospitality & Tourism P. 113 in Careers Book**

*Preparing individuals for employment in career pathways that relate to families and human needs such as restaurant and food/beverage services, lodging, travel and tourism, recreation, amusement and attractions.*

If you like travel and are intrigued by the idea of helping others explore the beauty, culture and cuisine of the world around them, you will want to check out the Hospitality and Tourism Career Cluster.

This cluster introduces students to management, marketing and operation of restaurants and other food services, lodging, attractions, recreation and travel services.

This career cluster is organized into four career pathways:

* Lodging
* Recreation, amusement and attractions
* Restaurants and food and beverage services
* Travel and tourism

**Careers**

Students in agriculture, food and natural resources learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

* Restaurant, food service, lounge, casino, coffee shop, or catering owner, operator or manager
* Hotel, motel, resort, or bed and breakfast owner, operator or manager
* Tour company owner, operator or manager
* Meeting and convention planner
* Interpreter or translator
* Tourism and travel services marketing manager

[*http://www.ct.gov/ecd/cwp/view.asp?a=3681&q=431252&PM=1*](http://www.ct.gov/ecd/cwp/view.asp?a=3681&q=431252&PM=1)

[*http://www.royalfaires.com/carolina/index.php?option=com\_content&view=article&id=30&Itemid=12*](http://www.royalfaires.com/carolina/index.php?option=com_content&view=article&id=30&Itemid=12)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=9&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/39-3091.00.flv&v\_code=39-3091.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=9&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/39-3091.00.flv&v_code=39-3091.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=9&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/35-3022.00.flv&v\_code=35-3022.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=9&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/35-3022.00.flv&v_code=35-3022.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=9&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-4081.00.flv&v\_code=43-4081.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=9&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-4081.00.flv&v_code=43-4081.00)

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=16&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-4181.02.flv&v\_code=43-4181.02*

* **Human Services P. 112 in Careers Book**

*Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.*

The Human Services Career Cluster prepares you for jobs that relate to families and human needs. Whether you want to be a social worker, a childcare provider or a hairdresser, you will be addressing human needs.

This career cluster is organized into seven career pathways:

* Consumer services
* Counseling and mental health services
* Early childhood development and services
* Family and community services
* Personal care services

**Careers**

Students in human services learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

|  |  |
| --- | --- |
| * Child care worker
* Child, family or school social worker
* Director of childcare facility
* Preschool teacher
* Parent educator
* School counselor
* Sociologist
* Social services worker
 | * Personal or home care aide
* Leisure activities counselor
* Recreation worker
* Consumer credit counselor
* Personal financial advisor
* Consumer goods or services retailing representative or buyer
* Cosmetologist, hairdresser or hairstylist
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*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=10&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/39-9021.00.flv&v\_code=39-9021.00*

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=10&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/21-1015.00.flv&v\_code=21-1015.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=10&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/21-1015.00.flv&v_code=21-1015.00)

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=10&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/21-1021.00.flv&v\_code=21-1021.00*

* **Information Technology P. 210 in Careers Book**

*Building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.*

Information technology careers are available in every sector of the economy. Careers in IT involve the design, development, support and management of hardware, software, multimedia and systems integration services. The information technology industry is a dynamic and entrepreneurial field that continues to have a revolutionary impact on the economy and on the world.

This career cluster is organized into four career pathways:

* Information support and services
* Interactive media
* Network systems
* Programming and software development

**Careers**

Students in information technology learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

|  |  |
| --- | --- |
| * Web designer or webmaster
* Network administrator or technician
* Telecommunications technician
* Data communications analyst
* Security or database administrator
* Application integrator
 | * Computer or game programmer
* Software applications architect
* 3D animator
* Virtual reality specialist
* Graphic artist
* Help desk specialist
* Technical writer
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<http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=11&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/15-1011.00.flv&v_code=15->

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?id=,27&nodeid=28&cluster=11*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?id=,27&nodeid=28&cluster=11)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=11&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/15-1081.09.flv&v\_code=15-1081.09*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=11&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/15-1081.09.flv&v_code=15-1081.09)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=11&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-9020.00.flv&v\_code=43-9020.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=11&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-9020.00.flv&v_code=43-9020.00)

* **Law, Public Safety, Corrections & Security P. 126 in Careers Book**

*Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.*

Thousands of challenging educational and training opportunities is offered in the highly skilled Law, Public Safety, Corrections and Security Career Cluster. These opportunities continue to expand in the areas of corporate, industrial, homeland security and public safety.

This career cluster is organized into five career pathways:

* Emergency and fire management
* Security and protective services
* Law enforcement services
* Legal services
* Correction services

**Careers**

Students in law, public safety, corrections and security learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

|  |  |
| --- | --- |
| * Judge
* Attorney
* Paralegal
* Court reporter
* Police officer
* Correctional officer
* Probation/parole officer
* Immigration and customs inspector
* Fire fighter
 | * Rescue worker (EMT, paramedic)
* Emergency dispatcher
* Loss prevention specialist
* Information systems security specialist
* Certified security officer
* Park ranger
 |

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=12&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-4031.01.flv&v\_code=43-4031.01*

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=12&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/33-2011.00.flv&v\_code=33-2011.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=12&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/33-2011.00.flv&v_code=33-2011.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=12&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/33-9032.00.flv&v\_code=33-9032.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=12&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/33-9032.00.flv&v_code=33-9032.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=12&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-6012.00.flv&v\_code=43-6012.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=12&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-6012.00.flv&v_code=43-6012.00)

* **Manufacturing P. 19- , p 172- in Careers Book**

*Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.*

Are you interested in how products and machines come together? Do you care about the quality of materials and of workmanship? Then you should explore the Manufacturing career cluster, which covers how industry and technology work together to make or package the things that we use or consume every day like cars, computers and food.

Careers in advanced manufacturing offer exciting opportunities in designing and improving products, operating high-tech tools and machinery, analyzing problems and coming up with creative solutions, and working with both your hands and your mind.

This career cluster is organized into eight career pathways:

* Production
* Manufacturing production process development
* Maintenance
* Installation and repair
* Quality assurance
* Logistics and inventory control
* Health
* Safety and environmental assurance

**Careers**

Students in manufacturing learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

|  |  |
| --- | --- |
| * Engineer in design, industrial, aerospace, quality, logistical, safety or manufacturing
* Medical appliance manufacturer
* Microchip manufacturer
* Precision inspector, tester or grader
* Technician in automated manufacturing, laser, biomedical equipment, lab, quality control, safety
 | * Inspector
* Machine operator
* Communication system, computer or meter installer or repairer
* Industrial truck and tractor operator
 |

<http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=13&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/51-2099.01.flv&v_code=51-2099.01>

[**http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=13&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/51-3011.02.flv&v\_code=51-3011.02**](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=13&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/51-3011.02.flv&v_code=51-3011.02)

[**http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=13&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/51-9198.00.flv&v\_code=51-9198.00**](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=13&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/51-9198.00.flv&v_code=51-9198.00)

* **Marketing P. 140- in Careers Book**

*Planning, managing, and performing marketing activities to reach organizational objectives such as brand management, professional sales, merchandising, marketing communications and market research.*

Most business communication is marketing communication. Marketing jobs represent nearly one in every four jobs in the U.S. economy. Marketing courses help you learn and experience how the marketing process seeks to establish and satisfy the needs and wants of individuals who buy goods, services and ideas.

Businesses of all types and sizes, including non-profit organizations, use marketing in their local, national and global operations to move products and services from their origin to the end-user.

This career cluster is organized into six career pathways:

* Buying and merchandising
* Distribution and logistics
* E-Marketing
* Management and entrepreneurship
* Marketing communications and promotion
* Marketing information management and research
* Professional sales and marketing

**Careers**

Students in marketing learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

|  |  |
| --- | --- |
| * Manager of sales or information
* Researcher
* Sales specialist
* Demonstrator or product promoter
* Wholesale or retail buyer
* Distributor
* Public relations manager or specialist
 | * Marketing communications or promotions manager or specialist
* Community relations manager or specialist
* E-marketer
* Marketing consultant
* Fashion or interior designer
* Merchandise displayer and window trimmer
 |

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=14&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/41-9011.00.flv&v\_code=41-9011.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=14&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/41-9011.00.flv&v_code=41-9011.00)

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=14&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/11-2021.00.flv&v\_code=11-2021.00*

*http://www.youtube.com/watch?v=ERnuafzPOHk*

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=14&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/41-9022.00.flv&v\_code=41-9022.00*

* **Science, Technology, Engineering &** **Mathematics P. 259 in Careers Book**

*Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.*

If you’re eager to be at the vanguard of 21st century technology innovation and problem solving, you will find plenty to keep you captivated in the Science, Technology, Engineering and Mathematics (STEM) Career Cluster.

This career cluster is organized into two career pathways:

* Engineering and technology
* Science and math

**Careers**

Students in STEM classes learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

|  |  |
| --- | --- |
| * Biologist or microbiologist
* Chemist
* Biochemist or biophysicist
* Mathematician
* Statistician
* Engineer: Aerospace, industrial, biotechnology, chemical, marine, materials, civil, petroleum
* Engineering manager
* Atmospheric or space scientist
* Geoscientist or materials scientist
* Surveying and mapping technician
 | * Hydrologist
* Architect
* Naval architect
* Architectural or civil drafter
* Materials lab and supply technician
* Quality technician
* Nuclear equipment operation or monitoring technicians
* Technical writer
* Post-secondary education vocational teacher
 |

[*http://www.ct.gov/ecd/cwp/view.asp?a=3681&q=431264&PM=1*](http://www.ct.gov/ecd/cwp/view.asp?a=3681&q=431264&PM=1)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=15&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/19-2011.00.flv&v\_code=19-2011.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=15&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/19-2011.00.flv&v_code=19-2011.00)

[*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=15&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/19-4021.00.flv&v\_code=19-4021.00*](http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=15&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/19-4021.00.flv&v_code=19-4021.00)

*http://www.careerinfonet.org/videos/COS\_videos\_by\_cluster.asp?cluster=15&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/51-9131.04.flv&v\_code=51-9131.04*

* **Transportation, Distribution & Logistics P. 224 in Careers Book**

*The planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.*

Students pursuing classes in the Transportation, Distribution and Logistics Career Cluster will learn about careers and businesses involved in the planning, management and movement of people, materials and products by road, air, rail and water. It also includes related professional and technical services such as infrastructure planning and management, logistics, and maintenance of equipment and facilities.

This career cluster is organized into eight career pathways:

* Facility and mobile equipment maintenance
* Health, safety and environmental management
* Logistics planning and management services
* Sales and services
* Transportation operations
* Transportation systems and infrastructure
* Planning, management and regulation
* Warehousing and distribution center operations

**Careers**

Students in transportation, distribution and logistics learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

This cluster will introduce you to a variety of interesting careers including:

|  |  |
| --- | --- |
| * Engineer: Aerospace, flight, railway, industrial health and safety, marine
* Transportation manager
* Air traffic controller
* Airline pilot
* Urban or regional planner
* Logistician
* Shipping and receiving supervisor
* Storage and distribution managers
* Operations technician
* Industrial equipment mechanic
* Electrician
 | * Fleet manager
* Auto or auto body mechanic
* Vehicle and system inspector
* Railroad safety inspector
* Longshore worker
* Ship, tugboat or ferry pilot
* Cargo and freight agent
* Health and safety manager
* Marketing manager
* Sales representative
* Flight attendant
 |

<http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=16&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/49-3052.00.flv&v_code=49-3052.00>

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<http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=16&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/49-3022.00.flv&v_code=49-3022.00>

<http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=16&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/53-3022.00.flv&v_code=53-3022.00>

<http://www.careerinfonet.org/videos/COS_videos_by_cluster.asp?cluster=16&videoUrl=http://wpc.2A70.edgecastcdn.net/002A70/CareerVideos/43-5011.00.flv&v_code=43-5011.00>

 **Career Alphabet**

Directions: Write at least one career that starts with each of the following letters (i.e., A = astronaut).

If you get stuck for answers, check the list of careers in *Occupational Outlook Handbook*

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

E \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

F \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

G \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

H \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

J \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

K \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

L \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

M \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

N \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

O \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

P \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

R \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

T \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

U \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

V \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

W \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

X \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Y \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Z \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Circle 3 careers that reflect your interests and that you would like to learn more about.