



## K20 CAREER CLUSTER CARDS

The K20 Center’s GEAR UP program wants to help you explore career options! This Career Cluster activity will help you think about your skills, personality, and interests to identify which clusters might be a good fit for you. While your interests will likely change over the years, the Career Cluster Survey is a great place to begin your exploration, but the journey won’t end there. You can use what you learn in this survey and apply it to other career activities and exploration.

**What is a career cluster?** A career cluster is a group of similar jobs. If you like one job in a cluster, you will probably find other jobs in the same cluster you will also like.

### Materials

- Your survey results from step 1
- A device with access to the internet (computer, smartphone, tablet, etc.)

### Instructions

1. Now that you have determined which three career clusters are your top matches, review the descriptions and career options below for each of these clusters.
2. Choose one of your top three Career Cluster Cards and visit [www.mynextmove.org](http://www.mynextmove.org) to further explore this career cluster.
3. Once you have explored one of the career clusters further, move on to the next step in this activity.





<b>Career Clusters</b>	
<b>Career Cluster Card 1</b>	<b>Agricultural Food and Natural Resources</b>
<b>Career Cluster Card 2</b>	<b>Architecture and Construction</b>
<b>Career Cluster Card 3</b>	<b>Arts, AV Technology, and Communications</b>
<b>Career Cluster Card 4</b>	<b>Business, Management, and Administration</b>
<b>Career Cluster Card 5</b>	<b>Education and Training</b>
<b>Career Cluster Card 6</b>	<b>Finance</b>
<b>Career Cluster Card 7</b>	<b>Government and Public Administration</b>
<b>Career Cluster Card 8</b>	<b>Health Science</b>
<b>Career Cluster Card 9</b>	<b>Hospitality and Tourism</b>
<b>Career Cluster Card 10</b>	<b>Human Services</b>
<b>Career Cluster Card 11</b>	<b>Information Technology</b>
<b>Career Cluster Card 12</b>	<b>Law, Public Safety, Corrections, and Security</b>
<b>Career Cluster Card 13</b>	<b>Manufacturing</b>
<b>Career Cluster Card 14</b>	<b>Marketing, Sales, and Services</b>
<b>Career Cluster Card 15</b>	<b>Science, Technology, Engineering, and Mathematics</b>
<b>Career Cluster Card 16</b>	<b>Transportation, Distribution, and Logistics</b>



## Cluster 1: Agriculture, Food, and Natural Resources



Thacker, Z. (2019). Ascension Island's hydroponics lab is revitalizing life on the volcanic island. 45th Space Wing. Retrieved from <https://www.patrick.af.mil/News/Photos/iqphoto/2002187349/>

### Description

This career field is focused on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources. This includes food, fiber, wood products, natural resources, horticulture, and other plant and animal products.

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| <ul style="list-style-type: none"> <li>● Agriculture Banker</li> <li>● Commodity Trader</li> <li>● Plant Pathologist</li> <li>● Agronomist</li> <li>● ARS Scientist</li> <li>● Agriculture Mechanic</li> <li>● Rancher</li> <li>● Farmer</li> <li>● Production Supervisor</li> <li>● Natural Resource Specialist</li> <li>● USDA Inspector</li> </ul> | <ul style="list-style-type: none"> <li>● Meat Processor</li> <li>● Wholesale Food Purchaser</li> <li>● Irrigation Specialist</li> <li>● Landscaper</li> <li>● Turf Manager</li> <li>● Agriculture Education Teacher</li> <li>● Forest Geneticist</li> <li>● Extension Specialist</li> <li>● Veterinarian</li> <li>● Biochemist</li> <li>● ESDA Grader</li> </ul> |
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## Cluster 2: Architecture and Construction



PxFuel. (n.d.). Worm. PxFuel. Retrieved from <https://www.pxfuel.com/en/free-photo-oopgl>

### Description

This career cluster includes careers in designing, planning, managing, constructing, and maintaining built environments.

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| <ul style="list-style-type: none"><li>● Architectural and Civil Drafter or Engineer</li><li>● Environmental Designer</li><li>● Residential or Commercial Carpenter</li><li>● Construction Worker</li><li>● Systems Configuration Manager</li></ul> | <ul style="list-style-type: none"><li>● Electrical Design Engineer</li><li>● Electrician</li><li>● HVAC/HVACR Technician</li><li>● Building Services Technician</li><li>● Painter</li><li>● Sheet Metal Technician</li></ul> |
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## Cluster 3: Arts, A/V Technology, and Communication



Tavernier, L., NASA, & JPL-Caltech. (2018). NASA. Retrieved from <https://www.jpl.nasa.gov/edu/news/tag/Career+Guidance>

### Description

Careers in this field involve designing, producing, exhibiting, performing, writing, and publishing multimedia content. This includes visual and performing arts, design, journalism, and entertainment services.

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| <ul style="list-style-type: none"> <li>● Video or Web Producer</li> <li>● Film Maker</li> <li>● Graphic Designer</li> <li>● Television Studio Producer</li> <li>● Stage Designer</li> <li>● Publisher</li> <li>● Costume Designer</li> </ul> | <ul style="list-style-type: none"> <li>● Radio Broadcaster</li> <li>● Fashion/Apparel Designer or Illustrator</li> <li>● Interior Designer</li> <li>● Home Furnishing Coordinator</li> <li>● Textile Designer or Chemist</li> <li>● Curator or Gallery Manager</li> </ul> |
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## Cluster 4: Business, Management, and Administration



Lopez, M. (n.d.). Business charts presentation. Pexels. Retrieved from <https://www.pexels.com/photo/business-charts-presentation-project-2399034/>

### Description

This career field includes careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

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| <ul style="list-style-type: none"> <li>● Chief Executive Officer</li> <li>● Entrepreneur</li> <li>● Controller</li> <li>● Adjuster</li> <li>● Budget, Cost, or Systems Analyst</li> <li>● Marketing Manager</li> <li>● Bookkeeper</li> <li>● Office Manager</li> </ul> | <ul style="list-style-type: none"> <li>● Human Resources Manager</li> <li>● Training and Development Specialist</li> <li>● Executive Assistant</li> <li>● Wholesale or Retail Buyer</li> <li>● Retail Salesperson</li> <li>● Meeting and Convention Planner</li> <li>● Receptionist</li> </ul> |
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## Cluster 5: Education and Training



Woodleywonderworks. (2011). Flickr. Retrieved from <https://www.flickr.com/photos/wwwworks/6233339252>

### Description

This career field includes jobs involved in planning, managing, and providing education and training services, as well as related learning support services.

- 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

## Cluster 6: Finance



StevePB. (2017). Savings. Pixabay. Retrieved from <https://pixabay.com/photos/savings-budget-investment-money-2789112/>

### Description

This field includes careers involved with financial planning investment, including banking, insurance, and business financial management.

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| <ul style="list-style-type: none"> <li>● Accountant</li> <li>● Auditor</li> <li>● Development Officer</li> <li>● Financial Analyst</li> <li>● Treasurer</li> <li>● Controller</li> <li>● Economist</li> <li>● Budget Analyst</li> </ul> | <ul style="list-style-type: none"> <li>● Personal Financial Advisor</li> <li>● Tax Preparer</li> <li>● Investment Advisor</li> <li>● Loan Officer</li> <li>● Debt Counselor</li> <li>● Actuary</li> <li>● Underwriter</li> <li>● Insurance Appraiser</li> <li>● Bank Teller</li> </ul> |
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## Cluster 7: Government and Public Administration



Wikimedia Commons. (n.d.). Capitol building full view. Wikimedia Commons. Retrieved from [https://en.wikipedia.org/wiki/File:Capitol\\_Building\\_Full\\_View.jpg](https://en.wikipedia.org/wiki/File:Capitol_Building_Full_View.jpg)

### Description

This field includes careers involved in executing governmental functions. This includes careers in governance, national security, foreign service, planning, revenue and taxation, regulation, and management and administration at the local, state, and federal levels.

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| <ul style="list-style-type: none"><li>● Aviation Inspector</li><li>● Coroner</li><li>● Legislative Assistant</li><li>● Air Crew Member or Officer</li><li>● Radar and Sonar Technician</li></ul> | <ul style="list-style-type: none"><li>● Intelligence Analyst</li><li>● Diplomatic Officer</li><li>● Transportation Security Screener</li><li>● Court Administrator or Clerk</li><li>● Construction and Building Inspector</li></ul> |
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## Cluster 8: Health Science



Joch, G. (2009). *Science Careers in Search of Women*. Flickr. Retrieved from <https://www.flickr.com/photos/argonne/4534362371>

### Description

This career field includes jobs involved with planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

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| <ul style="list-style-type: none"> <li>● Athletic Trainer</li> <li>● Dentist/Dental Hygienist</li> <li>● Anesthesiologist</li> <li>● Director of Nursing</li> <li>● Admitting Clerk</li> <li>● Health Educator</li> <li>● Medical Biller</li> <li>● Medical Transcriptionist</li> </ul> | <ul style="list-style-type: none"> <li>● Respiratory Therapist</li> <li>● Pharmacist</li> <li>● Paramedic</li> <li>● Phlebotomist</li> <li>● Medical Lab Technician</li> <li>● Research Assistant</li> <li>● Food Service Worker</li> <li>● Data Entry Specialist</li> </ul> |
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## Cluster 9: Hospitality and Tourism



Hashoo Foundation USA. (2011). Hotel management trainee. Flickr. Retrieved from <https://www.flickr.com/photos/hashoofoundation/8230136061>

### Description

Careers in this field involve the management, marketing, and operations of restaurants and other food services, as well as lodging, attractions, and recreation events and travel-related services.

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| <ul style="list-style-type: none"> <li>● Restaurant Manager/Owner</li> <li>● Hotel Front Desk Clerk</li> <li>● Travel Agent</li> <li>● Pastry Chef</li> <li>● Room Service Attendant</li> <li>● Catering and Banquets Manager</li> <li>● Sales Professional</li> <li>● Event Planner</li> </ul> | <ul style="list-style-type: none"> <li>● Museum/Zoo/Aquarium Exhibit Developer</li> <li>● Interpreter</li> <li>● Reservationist</li> <li>● General Manager</li> <li>● Executive Chef</li> <li>● Tour Guide</li> <li>● Parks and Garden Developer</li> </ul> |
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## Cluster 10: Human Services



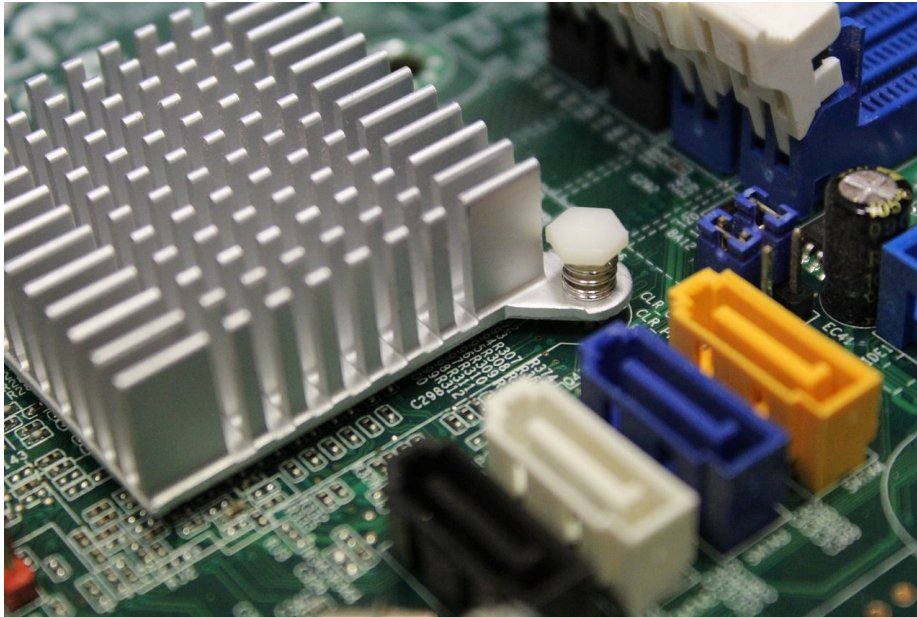
Selfalko. (2007). Counseling Session or Salesman. Flickr. Retrieved from [https://www.flickr.com/photos/safari\\_vacation/6351361924](https://www.flickr.com/photos/safari_vacation/6351361924)

### Description

This career field includes jobs involving preparing individuals for employment in career pathways that relate to family and human needs.

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| <ul style="list-style-type: none"> <li>● Psychologist</li> <li>● Social Worker</li> <li>● Hair Stylist/Barber</li> <li>● Childcare Assistant/Worker/Director</li> <li>● Parent Educator</li> <li>● Community Service Director</li> </ul> | <ul style="list-style-type: none"> <li>● Funeral Director</li> <li>● Cosmetologist</li> <li>● Skin Care Specialist</li> <li>● Certified Financial Planner</li> <li>● Employee Benefits Representative</li> <li>● Counselor</li> </ul> |
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## Cluster 11: Information Technology



Tstokes. (n.d.). Computers. Needpix. Retrieved from <https://www.needpix.com/photo/1082776/computers-information-technology>

### Description

Careers in Information Technology (IT) involve designing, developing, managing and supporting hardware, software, multimedia, and systems integration services.

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| <ul style="list-style-type: none"><li>● Computer/Information Systems Manager</li><li>● Computer Engineer</li><li>● Computer Programmer</li><li>● Computer Security Specialist</li><li>● Computer Support Specialist</li></ul> | <ul style="list-style-type: none"><li>● Computer Systems</li><li>● Analyst Data</li><li>● Communications Analyst</li><li>● IT Mechanic</li></ul> |
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## Cluster 12: Law, Public Safety, Corrections, and Security



Pickpik. (n.d). Hammer. Pickpik. Retrieved from <https://www.pickpik.com/hammer-books-law-court-lawyer-paragraphs-10889>

### Description

Careers in this field include jobs that provide communities with legal, judicial, and protective services.

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| <ul style="list-style-type: none"><li>● Coroner</li><li>● Corrections Officer</li><li>● Court Clerk</li><li>● Detective and Investigator</li></ul> | <ul style="list-style-type: none"><li>● Judge Lawyer</li><li>● Lifeguard and Ski Patrolman</li><li>● Police Patrol Officer</li><li>● Firefighter</li></ul> |
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## Cluster 13: Manufacturing



Pxfuel. (n.d). Robotic. Pxfuel. Retrieved from <https://www.pxfuel.com/en/free-photo-oibxx>

### Description

This career field includes jobs in factories or industrial settings in which workers process materials for final products.

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| <ul style="list-style-type: none"><li>● Chemical Engineer</li><li>● Forklift Operator</li><li>● Gas and Oil Plant Operator</li><li>● Jeweler</li><li>● Locksmith Metal/Plastic Processing Worker</li></ul> | <ul style="list-style-type: none"><li>● Office Machine Repairer</li><li>● Power Plant Operator</li><li>● Shoe and Leather Worker</li><li>● Welder</li></ul> |
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## Cluster 14: Marketing, Sales, and Services



Rawpixel. (2018). Achievement. Pxhere. <https://pxhere.com/en/photo/1450669>

### Description

Careers in this field require workers to use their persuasive abilities to sell or promote products and services.

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| <ul style="list-style-type: none"> <li>● Advertising Salesperson</li> <li>● Buyer and Purchasing Agent</li> <li>● Customer Service Representative</li> <li>● Floral Designer</li> <li>● Market Research Analyst</li> </ul> | <ul style="list-style-type: none"> <li>● Public Relations Specialist</li> <li>● Real Estate Agent</li> <li>● Sales Manager</li> <li>● Telemarketer</li> </ul> |
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## Cluster 15: Science, Technology, Engineering, and Mathematics



Nyberg/USAID, R. (2014). Female scientists in USAID Partnerships for Enhanced Engagement in Research Science project. Flickr. Retrieved from <https://www.flickr.com/photos/usaidasia/12626580724>

### Description

Careers in this field ask workers to provide research and services related to science, technology, engineering, and math. These services are provided by gathering and analyzing information, solving problems, and applying findings.

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| <ul style="list-style-type: none"><li>● Aerospace Engineer</li><li>● Biologist Chemist</li><li>● Electrical and Electronics Engineer</li><li>● Geographer</li></ul> | <ul style="list-style-type: none"><li>● Petroleum Engineer</li><li>● Mechanical Engineer</li><li>● Meteorologist</li><li>● Physicist Safety Engineer</li></ul> |
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## Cluster 16: Transportation, Distribution, and Logistics



Pxfuel. (n.d.). Port. Pxfuel. Retrieved from <https://www.pxfuel.com/en/free-photo-xdoob>

### Description

Careers in this field involve moving materials, goods, and people by road, air, pipeline, railroad, and water.

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| <ul style="list-style-type: none"><li>● Air Traffic Controller</li><li>● Airplane Pilot</li><li>● Automobile Mechanic</li><li>● Flight Attendant</li><li>● Motorboat Mechanic</li></ul> | <ul style="list-style-type: none"><li>● School Bus Driver</li><li>● Subway and Streetcar Operator</li><li>● Traffic Technician</li><li>● Transportation Agent</li></ul> |
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