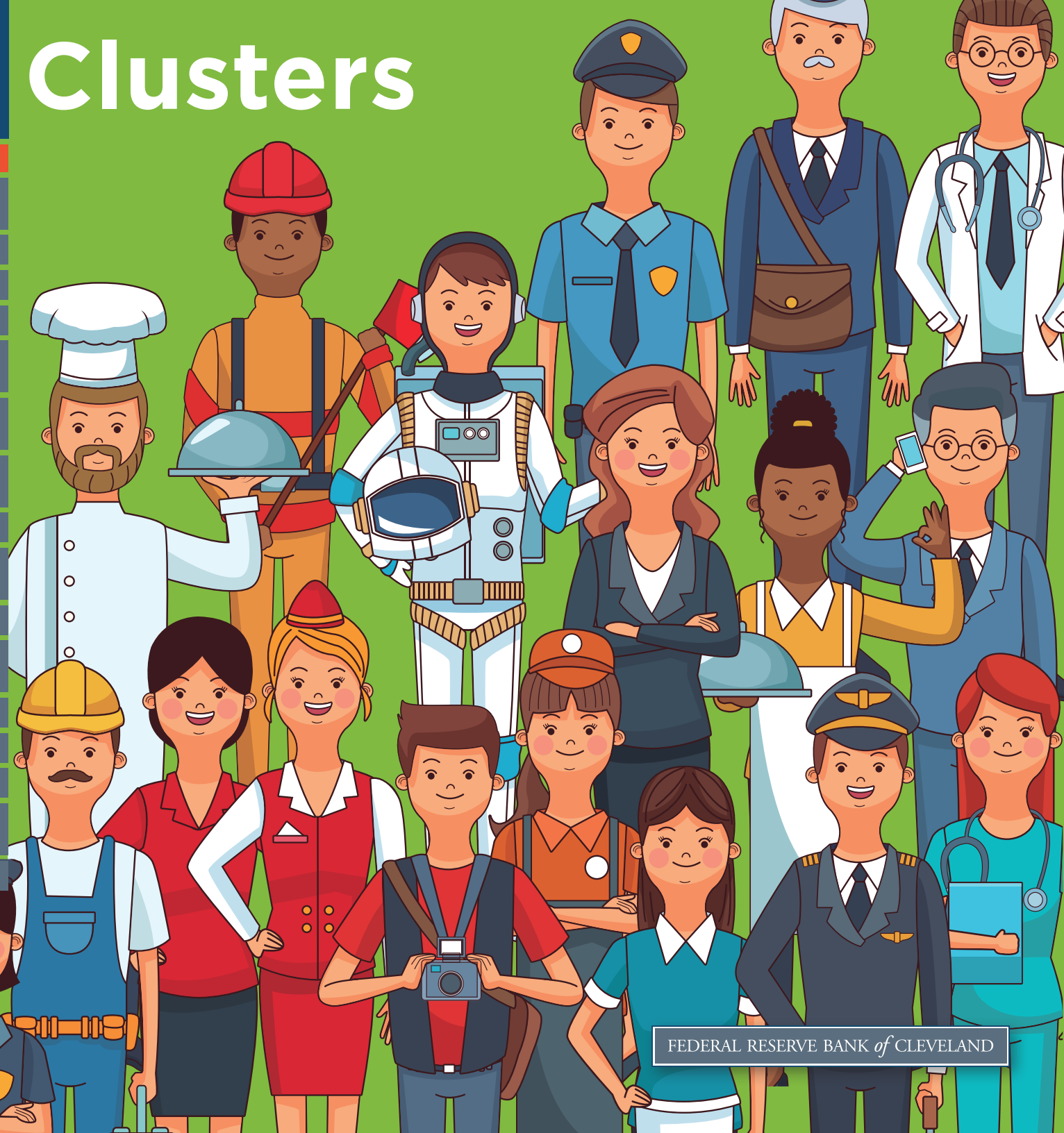


# Career Clusters

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## 1. Business, Management and Administration

Someone who works in this field may be interested in building relationships, working with records, and building a team.

Career Pathway	Economists <a href="#">BLS</a>	Elementary, Middle, and High School Principal <a href="#">BLS</a>	Architectural and Engineering Managers <a href="#">BLS</a>	Property, Real Estate, and Community Association Managers <a href="#">BLS</a>
Duties	Collect and analyze data, research trends, and evaluate economic issues for resources, goods, and services	Oversee all school operations, including daily school activities	Plan, develop, and coordinate activities in architectural and engineering companies	Take care of the many aspects of residential, commercial, or industrial properties
Education Requirements	Master's degree	Master's degree	Bachelor's degree	High School diploma or equivalent
Average Salary	\$108,350 per year \$52.09 per hour	\$98,490 per year \$51.29 per hour	\$149,530 per year \$77.88 per hour	\$59,660 per year \$28.68 per hour

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## 2. Hospitality and Tourism

Someone who works in this field may be interested in travel, events, restaurants, and theme parks.

Career Pathway	Meeting and Convention Planner <small>BLS</small>	Travel Agent <small>BLS</small>	Food Service Managers <small>BLS</small>	Chefs and head cooks <small>BLS</small>
Duties	Arrange all aspects of professional gatherings and events	Sell transportation, lodging, and entertainment activities to individuals and groups planning trips	Handle the daily operation of restaurants or other establishments that prepare and serve food and beverages	Oversee the daily food preparation at restaurants and other places where food is served
Education Requirements	Bachelor's degree	High School diploma or equivalent	High School diploma or equivalent	High School diploma or equivalent
Average Salary	\$51,560 per year \$24.79 per hour	\$42,350 per year \$20.36 per hour	\$56,590 per year \$29.47 per hour	\$53,380 per year \$25.66 per hour

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## 3. Human Services

Someone who works in this field may be interested in working with families and other people's needs.

Career Pathway	School and Career Counselor <small>BLS</small>	Human Resources Manager <small>BLS</small>	Childcare Worker <small>BLS</small>	Social and human service assistants <small>BLS</small>
Duties	Help students develop academic and social skills and choose a path to employment or career	Plan, coordinate, and direct the administrative functions of an organization	Help younger children prepare for kindergarten or assist older children with schoolwork	Provide client services in a variety of fields, such as psychology, rehabilitation, and social work
Education Requirements	Master's degree	Bachelor's degree	High School diploma or equivalent	High School diploma or equivalent
Average Salary	\$58,120 per year \$27.94 per hour	\$121,220 per year \$58.28 per hour	\$25,460 per year \$12.24 per hour	\$35,960 per year \$17.29 per hour

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## 4. Manufacturing

Someone who works in this field may be interested in building things and working with machines.

Career Pathway	Prosthetist <small>BLS</small>	Aerospace Engineer <small>BLS</small>	Welders, Cutters, Solders, and Brazers <small>BLS</small>	Power plant operators, distributors, and dispatchers <small>BLS</small>
Duties	Design and fabricate medical supportive devices and measure and fit patients for them	Design primarily aircraft, spacecraft, satellites, and missiles.	Use hand-held or remotely controlled equipment to join, repair, or cut metal parts and products	Control the systems that generate and distribute electric power
Education Requirements	Master's degree	Bachelor's degree	High School diploma or equivalent	High School diploma or equivalent
Average Salary	\$70,190 per year \$33.75 per hour	\$118,610 per year \$57.02 per hour	\$44,190 per year \$21.25 per hour	\$89,090 per year \$42.83 per hour

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## 5. Government and Public Administration

Someone who works in this field may be interested in government, laws and working to make a community better.

Career Pathway	Financial examiners <a href="#">BLS</a>	Property appraisers <a href="#">BLS</a>	Police and detectives <a href="#">BLS</a>	Information clerk <a href="#">BLS</a>
Duties	Ensure compliance with laws that govern institutions handling monetary transactions	Provide a value estimate on real estate and on tangible personal and business properties	Police officers protect lives and property; detectives gather facts and collect evidence of possible crimes	Perform routine clerical duties, maintain records, collect data, and provide information to customers
Education Requirements	Bachelor's degree	Bachelor's degree	High School diploma or equivalent	High School diploma or equivalent
Average Salary	\$81,430 per year \$39.15 per hour	\$58,650 per year \$28.20 per hour	\$67,290 per year \$32.35 per hour	\$36,920 per year \$17.75 per hour

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## 6. Transportation, Distribution and Logistics

Someone who works in this field may be interested in planning and managing the movement of people, goods and materials.

Career Pathway	Air traffic controllers <a href="#">BLS</a>	Heavy and tractor-trailer truck driver <a href="#">BLS</a>	Flight attendant <a href="#">BLS</a>	Delivery truck drivers <a href="#">BLS</a>
Duties	Coordinate the movement of aircraft to maintain safe distances between them	Transport goods and resources from one location to another	Provide routine services and respond to emergencies to ensure the safety and comfort of airline passengers	Pick up, transport, and drop off packages and small shipments within a local region or urban area
Education Requirements	Associaate degree	Postsecondary nondegree award	High School diploma or equivalent	High School diploma or equivalent
Average Salary	\$130,420 per year \$62.70 per hour	\$47,130 per year \$22.66 per hour	\$59,050 per year	\$34,340 per year \$16.51 per hour

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## 7. Science, Technology, Engineering and Mathematics

Someone who works in this field may be interested in solving complex problems and testing theories.

Career Pathway	Actuaries <a href="#">BLS</a>	Civil engineering technologists and technicians <a href="#">BLS</a>	Surveying and mapping technicians <a href="#">BLS</a>	Financial clerks <a href="#">BLS</a>
Duties	Use mathematics, statistics, and financial theory to analyze the financial costs of risk and uncertainty	Help civil engineers plan, design, and build infrastructure and development projects	Collect data and make maps of the Earth's surface	Do administrative work, help customers, and carry out transactions that involve money
Education Requirements	Bachelor's degree	Associate degree	High School diploma or equivalent	High School diploma or equivalent
Average Salary	\$111,030 per year \$53.38 per hour	\$54,080 per year \$26.00 per hour	\$46,200 per year \$22.21 per hour	\$41,520 per year \$19.96 per hour

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## 8. Health Scienc

**Someone who works in this field may be interested in science and promoting the health and wellness of others.**

Career Pathway	Audiologists <a href="#">BLS</a>	Athletic trainers <a href="#">BLS</a>	Dental hygienists <a href="#">BLS</a>	Home health and personal care aides <a href="#">BLS</a>
Duties	Diagnose, manage, and treat a patient's hearing, balance, or ear problems	Specialize in preventing, diagnosing, and treating muscle and bone injuries and illnesses	Examine patients for signs of oral diseases, such as gingivitis, and provide preventive care, including oral hygiene	Monitor the condition of people with disabilities or chronic illnesses and help them with daily living activities
Education Requirements	Doctoral or professional degree	Bachelor's degree	Associate degree	High School diploma or equivalent
Average Salary	\$81,030 per year \$38.95 per hour	\$49,860 per year \$23.97 per hour	\$77,090 per year \$37.06 per hour	\$27,080 per year \$13.02 per hour

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## 9. Agriculture, Food, and Natural Resources

Someone who works in this field may be interested in science as well as working with plants and animals.

Career Pathway	Agricultural engineers <small>BLS</small>	Conservation scientists <small>BLS</small>	Veterinary technicians <small>BLS</small>	Farmers, ranchers, and other agricultural managers <small>BLS</small>
Duties	Solve problems concerning power supplies, machine efficiency, pollution and environmental issues, and the storage and processing of agricultural products	Survey the land quality of forests, parks, rangelands, and other natural resources	Run medical tests that help diagnose animals' injuries and illnesses	Run establishments that produce crops, livestock, and dairy products
Education Requirements	Bachelor's degree	Bachelor's degree	Associate degree	High School diploma
Average Salary	\$84,410 per year \$40.58 per hour	\$64,010 per year \$30.78 per hour	\$36,260 per year \$17.43 per hour	\$68,090 per year \$32.73 per hour

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## 10. Architecture and Construction

Someone who works in this field may be interested in building structures and solving problems.

Career Pathway	Architects	Civil engineers	Drafters	Electricians
	<a href="#">BLS</a>	<a href="#">BLS</a>	<a href="#">BLS</a>	<a href="#">BLS</a>
Duties	Plan and design houses, buildings, and other structures	Design, build, and supervise construction projects and systems	Use software to convert the designs of engineers and architects into technical drawings	Install, maintain, and repair lighting and electrical control systems
Education Requirements	Bachelor's degree	Bachelor's degree	Associate degree	High School diploma or equivalent
Average Salary	\$82,320 per year \$39.58 per hour	\$88,570 per a year \$42.58 per hour	\$57,960 per year \$27.87 per hour	\$56,900 per year \$27.36 per hour

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## 11. Arts, Audio/Visual Technology and Communications

Someone who works in this field may be interested in creating multimedia content.

Career Pathway	Public relations specialists <small><a href="#">BLS</a></small>	Graphic designers <small><a href="#">BLS</a></small>	Desktop publishers <small><a href="#">BLS</a></small>	Woodworkers <small><a href="#">BLS</a></small>
Duties	Create and maintain a favorable public image for organizations and individuals	Create visual pieces using computer software or drawings; these pieces are used to inspire, inform, and captivate consumers	Use computer software to design page layouts for publishing	Manufacture products such as cabinets and furniture, using wood, veneers, and laminates
Education Requirements	Bachelor's degree	Bachelor's degree	Associate degree	High School diploma or equivalent
Average Salary	\$62,810 per a year \$30.20 per hour	\$53,380 per a year \$25.66 per hour	\$47,560 per year \$22.86 per hour	\$33,750 per year \$16.23 per hour

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## 12. Education and Training

**Someone who works in this field may be interested in working with individuals to help them learn new things.**

Career Pathway	Instructional coordinators <a href="#">BLS</a>	Library media specialists <a href="#">BLS</a>	Preschool teachers <a href="#">BLS</a>	Receptionists <a href="#">BLS</a>
Duties	Oversee school curriculums and teaching standards	Help people find information for personal and professional use	Educate and care for children who have not yet entered kindergarten	Perform tasks such as managing incoming communication, receiving visitors, and providing information to the public about their organization
Education Requirements	Master's degree	Bachelor's degree	Associate degree	High School diploma or equivalent
Average Salary	\$66,970 per year \$32.20 per hour	60,820 per year \$29.24 per hour	\$31,930 per year \$15.35 per hour	\$31,110 per year \$14.96 per hour

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## 13. Finance

**Someone who works in this field may be interested in math and working with money.**

Career Pathway	Tax examiners and collectors, and revenue agents <small>BLS</small>	Cost estimators <small>BLS</small>	Bookkeeping, auditing, and accounting clerks <small>BLS</small>	Bill and account collectors <small>BLS</small>
Duties	Determine how much is owed in taxes and collect tax from individuals and businesses on behalf of the government	Collect and analyze data to estimate the time, money, materials, and labor required to make a product	Create financial records for organizations and check financial records for accuracy	Recover payment on overdue bills
Education Requirements	Bachelor's degree	Bachelor's degree	Associate degree	High School diploma or equivalent
Average Salary	\$55,640 per year \$26.75 per hour	\$66,610 per year \$32.02 per hour	\$42,410 per year \$20.39 per hour	\$38,100 per year \$18.32 per hour

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## 14. Information Technology

Someone who works in this field may be interested in building and designing things related to computers.

Career Pathway	Computer and information research scientists <small><a href="#">BLS</a></small>	Software developers, analyst, and testers <small><a href="#">BLS</a></small>	Web developers and digital designers <small><a href="#">BLS</a></small>	Customer service representatives <small><a href="#">BLS</a></small>
Duties	Design innovative uses for new and existing computing technology	Software developers design computer programs. Software quality assurance analysts and testers identify problems with applications or programs	Web developers build and maintain websites; digital designers develop, create, and test website layout, functions, and navigation for usability	Interact with customers to handle complaints, process orders, and answer questions
Education Requirements	Master's degree	Bachelor's degree	Associate degree	High School diploma or equivalent
Average Salary	\$126,830 per year \$60.97 per hour	\$110,140 per year \$52.95 per hour	\$77,200 per year \$37.12 per hour	\$35,830 per year \$17.23 per hour

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## 15. Law, Public Safety, Corrections and Security

Someone who works in this field may be interested in managing and planning legal and safety services for individuals.

Career Pathway	Lawyers	Forensic science technician	EMTs and paramedics	Private detective and investigators
	<a href="#">BLS</a>	<a href="#">BLS</a>	<a href="#">BLS</a>	<a href="#">BLS</a>
Duties	Advise and represent individuals, businesses, and government agencies on legal issues	Collect and analyze evidence	Respond to emergency calls, perform medical services, and transport patients to medical facilities	Search for information about legal, financial, and personal matters
Education Requirements	Professional degree	Bachelor's degree	Postsecondary nondegree award	High School diploma or equivalent
Average Salary	\$126,930 per year \$61.03 per hour	\$60,590 per year \$29.13 per hour	\$36,650 per year \$17.62 per hour	\$53,320 per year \$25.64 per hour

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## 16. Marketing, Sales and Services

**Someone who works in this field may be interested in selling goods or services to businesses and individuals.**

Career Pathway	Market research analysts <a href="#">BLS</a>	Advertising and marketing managers <a href="#">BLS</a>	Insurance sales agents <a href="#">BLS</a>	Real estate broker or sales agents <a href="#">BLS</a>
Duties	Study market conditions to examine potential sales of a product or service	Plan programs to generate interest in products or services	Work with potential customers and sell one or more types of insurance	Help clients buy, sell, and rent properties
Education Requirements	Bachelor's degree	Bachelor's degree	High School diploma or equivalent	High School diploma or equivalent
Average Salary	\$65,810 per year \$31.64 per hour	\$141,490 per year \$68.03 per hour	\$52,180 per year \$25.08 per hour	\$51,220 per year \$24.63 per hour

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