



**Overview:** Accountants and auditors assemble, analyze, and check the accuracy of financial information.

Career Cluster: Science, Technology, Engineering, and Mathematics

# Subjects:

- $\boldsymbol{\cdot}$  Reading and writing
- Math
- $\cdot$  Computers/technology

# Schooling:

· Have an associate or bachelor's degree in accounting

# Where to Find Me:

Almost every industry hires accountants

**Overview:** Architects plan and design all types of buildings and structures.

Career Cluster: Architecture and Construction

## Subjects:

- Reading and writing
- $\boldsymbol{\cdot} \operatorname{Art}$

Computers/technology
Safety

• Math

# Schooling:

- Have at least a bachelor's degree in architecture
- Complete a three-year internship
- Have a license

- Construction companies
- Architectural design firms
- Government agencies





**Overview:** Artists create works of art to communicate ideas, thoughts, or feelings.

Career Cluster: Arts, Audio/Visual Technology, and Communications

### Subjects:

- Computers/technology
- Art

### Schooling:

- Have a bachelor's degree in a related field
- Complete long-term, on-the-job training

### Where to Find Me:

- Elementary, middle, and high schools
- Colleges and universities
- Performing arts companies
- Publishing companies (newspapers, books, magazines)
- Marketing firms
- $\boldsymbol{\cdot} \text{ Self-employed}$

**Overview:** Astronauts operate and work aboard spacecraft and the space station.

Career Cluster: Science, Technology, Engineering, and Mathematics

### Subjects:

- Math
- Science
- Computers/Technology
- · Safety
- Reading

## Schooling:

- High school diploma or equivalent.
- Have at least a bachelor's degree in engineering, biological science, physical science, or mathematics.
- Complete at least three years of related professional experience following attainment of degree.
- Pass a NASA space physical.

## Where to Find Me:

• Government (NASA)





**Overview:** Bakers mix and bake ingredients to produce breads, pastries, and other baked goods.

Career Cluster: Agriculture, Food and Natural Resources

### Subjects:

- Math
- Science
- Reading
- Safety
- Health

## Schooling:

Complete long-term, on-the-job training

### Where to Find Me:

- Bakery product manufacturers
- Grocery stores
- Bakeries and pastry stores
- Restaurants

**Overview:** Bank tellers help customers with their banking activities.

### Career Cluster: Finance

### Subjects:

- Math
- Computers/technology
- Reading

## Schooling:

- High school diploma or equivalent
- Complete short-term, on-the-job training

### Where to Find Me:

Banks, savings institutions, and credit unions





Overview: Bus drivers operate motor vehicles that move people from one place to another.

Career Cluster: Transportation, Distribution, and Logistics

#### Subjects:

- Computers/technology
- First Aid/Safety

### Schooling:

- High school diploma or equivalent
- · Complete moderate-term, on-the-job training
- · Have a commercial driver's license and good driving record

#### Where to Find Me:

- · Government-sponsored local transportation systems
- Long distance bus companies
- Charter bus companies
- Schools

**Overview:** Cashiers ring up sales and receive payments for merchandise.

#### Career Cluster: Marketing

#### Subjects:

- Computers/technology
- Math
- Reading

### Schooling:

· Complete short-term, on-the-job training

- Grocery stores
- Gas stations
- Drug stores
- · Department stores
- Pharmacies





**Overview:** Caterers prepare food for parties, events, and conventions. They manage preparation, cooking, delivery, and serving of the food at the event.

Career Cluster: Hospitality and Tourism

## Subjects:

- Reading
- Computers/technology
- Math
- · Safety

# Schooling:

On-the-job training

# Where to Find Me:

- Restaurants
- $\boldsymbol{\cdot}$  Hotels and convention centers
- Self-employed
- Catering companies

**Overview:** Chefs and dinner cooks measure, mix, and cook food.

Career Cluster: Hospitality and Tourism

## Subjects:

- Math
- Reading
- Computers/technology

# Schooling:

- · Have a high school diploma or equivalent
- Complete on-the-job training

- Restaurants and delis
- · Schools
- Nursing and residential care facilities
- Hospitals
- Bars

- First Aid/Safety
- Health





**Overview:** Child care workers supervise, care for, and teach children in day care programs.

Career Cluster: Law, Public Safety, Corrections, and Security

#### Subjects:

- Physical Education
- First Aid/Safety
- Reading and writing

#### Schooling:

- High school diploma or equivalent
- Complete short-term, on-the-job training

#### Where to Find Me:

- · Child day care
- Private households
- Elementary and secondary schools

#### **Overview:** Coaches

Career Cluster: Science, Technology, Engineering, and Mathematics

#### Subjects:

- Physical education
- Health
- $\boldsymbol{\cdot}$  Safety and first aid

### Schooling:

High school diploma or equivalent

- · Colleges and universities
- Elementary and secondary schools
- State and National sports leagues





**Overview:** Computer programmers write and test the instructions that computers follow to perform tasks.

Career Cluster: Science, Technology, Engineering, and Mathematics

### Subjects:

- Reading and writing
- Computers/technology
- Math

### Schooling:

· Have at least a bachelor's degree in a computer science field

## Where to Find Me:

· Almost every industry hires computer programmers and technicians

**Overview:** General construction workers complete a variety of tasks on construction projects.

Career Cluster: Architecture and Construction

### Subjects:

- Physical Education
- First Aid/Safety
- Math
- Computers/technology

## Schooling:

Complete short-term, on-the-job training

- Office and industrial building construction companies
- Home building construction companies
- Concrete and brick work companies
- Highway and street construction companies





**Overview:** Crossing Guards direct the movement of walkers and drivers at street intersections and construction sites.

Career Cluster: Law, Public Safety, Corrections, and Security

### Subjects:

- Physical Education
- · Safety

### Schooling:

- High school diploma or equivalent
- · Complete moderate-term, on-the-job training

### Where to Find Me:

- · Local government agencies in charge of construction
- Elementary and secondary schools

**Overview:** Dentists examine patients' teeth and mouth and correct dental problems.

Career Cluster: Health Science

### Subjects:

- Math
- Science
- Computers/technology

## Schooling:

- Compete at least two years of college
- Graduate from dental school
- $\boldsymbol{\cdot}$  Pass a state licensing exam

- Dental offices
- Health clinics
- Local government agencies (public health clinics)

- $\boldsymbol{\cdot}$  Reading and writing
- First Aid/Safety
- · Health





**Overview:** Detectives and investigators gather facts and evidence for criminal cases.

Career Cluster: Law, Public Safety, Corrections, and Security

#### Subjects:

- Computers/technology
- Reading and writing
- Physical Education

#### Schooling:

- High school diploma or equivalent
- Pass a physical exam and background check
- Complete police academy training
- · Have three to five years of experience as a police officer
- Pass a written exam
- · Complete moderate-term, on-the-job training

#### Where to Find Me:

· Federal, state, or local law enforcement agencies

**Overview:** Doctors treat a wide range of conditions and help people try to stay healthy.

Career Cluster: Health Science

#### Subjects:

- Science
- Health
- Math

#### Schooling:

- Have a bachelor's degree
- Graduate from medical school
- Complete an internship
- Pass a licensing exam
- Complete a residency program

- · Hospitals, clinics, and medical offices
- Military
- Government agencies

- Reading and writing
- Computers/technology

- · Safety
- Geography
- Social Studies





**Overview:** Engineers solve technical problems.

Career Cluster: Architecture and Construction

### Subjects:

- Reading and writing
- Math
- $\cdot$  Computers/technology

### Schooling:

- · Have at least a bachelor's degree in engineering
- Have a license

### Where to Find Me:

- Construction companies
- Architectural design firms
- Government agencies
- Mining companies
- Engineering firms
- Research firms
- Utility Companies

**Overview:** Farmers and farm managers raise crops and livestock for market.

Career Cluster: Agriculture, Food, and Natural Resources

### Subjects:

- Biology
- Math
- Reading
- Computers/Technology
- Engineering
- · Safety

### Schooling:

- · Have a high school diploma or equivalent
- · Have more than five years of work experience in agriculture

- Privately owned farms
- Commercial farms

- Science
- · Safety





**Overview:** Firefighters put out fires and rescue people who are in danger.

Career Cluster: Law, Public Safety, Corrections, and Security

### Subjects:

- Physical Education
- First Aid/Safety
- Reading and writing
- Geography
- Computers/technology

### Schooling:

- High school diploma or equivalent
- · Pass a written exam, a physical test, and a medical exam
- Complete firefighting training
- Complete long-term, on-the-job training

### Where to Find Me:

· Local, state, and federal government sponsored fire departments

**Overview:** Flight attendants take care of airline passengers.

Career Cluster: Transportation, Distribution, and Logistics

### Subjects:

- Foreign Language
- First Aid/Safety
- Geography
- Computers/technology

## Schooling:

- · Have a high school diploma or equivalent
- Complete a flight attendant training program
- Complete moderate-term, on-the-job training

### Where to Find Me:

National and regional airlines





**Overview:** Forest Rangers help maintain campground and trails in state and national forests. **Career Cluster:** Science, Technology, Engineering and Mathematics Subjects:

- Science
- Geography
- History
- Computers/technology
- Reading and writing
- Physical Education
- First Aid/Safety

#### Schooling:

· Have at least a bachelor's degree in a life science

#### Where to Find Me:

Federal, state, and local government agencies (parks)

**Overview:** Mail carriers deliver mail to homes and businesses along an established route.

Career Cluster: Business Management and Administration

#### Subjects:

- Physical Education
- · Safety
- Reading

#### Schooling:

- · High school diploma or equivalent
- Complete short-term, on-the-job training

#### Where to Find Me:

US Postal Service





**Overview:** Geologists study the history of the earth. They look at how rocks were formed and how they have changed since they were created.

Career Cluster: Science, Technology, Engineering, and Mathematics

### Subjects:

- Reading and writing
- Geography
- Math

### Schooling:

- Have a high school diploma or equivalent
- Complete an apprenticeship program

## Where to Find Me:

- Mining and quarrying companies
- · Oil refineries
- Government agencies
- $\boldsymbol{\cdot}$  Consulting services

**Overview:** Stock clerks receive, unpack, check, store and track merchandise or materials.

Career Cluster: Business Management and Administration

### Subjects:

- Math
- Reading
- Computers/technology
- Physical Education
- · Safety

### Schooling:

· Complete short-term, on-the-job training

- Grocery stores
- Department stores
- $\boldsymbol{\cdot}$  Other general merchandise stores

- Science
- History
- $\cdot$  Computers/technology





**Overview:** Hairstylists and cosmetologists wash, cut, color, perm, and style customers' hair. Cosmetologists also apply makeup. Barbers also shave customers.

Career Cluster: Human Services

## Subjects:

- Math
- First Aid/Safety
- Science

# Schooling:

- Complete a cosmetology or hair styling program
- Pass a licensing exam

# Where to Find Me:

- Beauty salons
- Barber shops

**Overview:** Maids and housekeepers clean rooms at hotels, motels, private homes and hospitals.

Career Cluster: Hospitality and Tourism

# Subjects:

- Safety
- · Health

# Schooling:

Complete short-term, on-the-job training

- Private households
- Resorts, motels, and hotels
- Nursing and personal care facilities
- Hospitals
- Cleaning services





**Overview:** Janitors keep buildings clean and in good condition.

Career Cluster: Hospitality and Tourism

### Subjects:

- Physical Education
- · Safety
- Health

### Schooling:

Complete short-term, on-the-job training

### Where to Find Me:

- Janitorial services companies
- Schools
- Religious organizations

**Overview:** Judges and hearing officers review cases and make decisions about them based on the law.

Career Cluster: Law, Public Safety, Corrections, and Security

## Subjects:

- Computers/technology
- · Safety
- Reading and writing
- Social studies

## Schooling:

- Have a bachelor's degree
- Complete a law degree
- · Have five years or more of experience as a lawyer
- Complete short-term, on-the-job training

## Where to Find Me:

Federal, state, and local government courts





Overview: Lawyers study, explain and apply laws to specific problems.

Career Cluster: Law, Public Safety, Corrections, and Security

### Subjects:

- Reading and writing
- $\boldsymbol{\cdot}$  Social studies
- Computers/technology

### Schooling:

- Have a bachelor's degree
- · Have a law degree
- · Pass the Bar exam for the state in which you want to practice

## Where to Find Me:

- Law firms
- · Local, state, and federal government agencies
- Finance and insurance agencies

**Overview:** Librarians organize materials in libraries and help people locate them.

Career Cluster: Education and training

### Subjects:

- Computers/technology
- Reading and writing
- Art (audio/visual)

## Schooling:

- · Have a high school diploma or equivalent
- Have a bachelor's degree
- · Have a master's degree in library and information science

- · Elementary, middle, and high schools
- Public libraries
- Colleges and universities
- Government agencies





**Overview:** Lifeguards monitor recreational areas, such as lakes and pools. They rescue people and provide first aid when needed. **Career Cluster:** Law, Public Safety, Corrections, and Security Subjects:

- Physical Education
- First Aid/Safety
- Health

#### Schooling:

- Have CPR certification
- · Be an accomplished swimmer or skier
- Complete short-term, on-the-job training

#### Where to Find Me:

- · Local government agencies (pools and public beaches)
- Fitness and sports centers
- Country clubs
- $\cdot \text{ Water parks}$
- $\boldsymbol{\cdot}$  Resorts and hotels

**Overview:** Mail carriers deliver mail to homes and businesses along an established route.

Career Cluster: Business Management and Administration

#### Subjects:

- Physical Education
- Safety
- Reading

### Schooling:

- High school diploma or equivalent
- Complete short-term, on-the-job training

### Where to Find Me:

US Postal Service





**Overview:** Automobile mechanics inspect, maintain, and repair cars and light trucks.

Career Cluster: Transportation, Distribution, and Logistics

#### Subjects:

- Computers/technology
- Reading
- Math
- · Safety
- Science

### Schooling:

- · High school diploma or equivalent
- Complete a formal training program
- · Complete short-term, on-the-job training

#### Where to Find Me:

- Auto repair shops
- Auto dealerships
- Auto supply stores

**Overview:** Meteorologists study the earth's atmosphere and the ways it affects our environment.

Career Cluster: Science, Technology, Engineering, and Mathematics

#### Subjects:

- Math
- Science
- Reading

- Computers/Technology
- Art (audio/visual)
- Safety

### Schooling:

Complete at least a bachelor's degree in meteorology

#### Where to Find Me:

- Federal government agencies (National Oceanic and Atmospheric Administration, Weather Service)
- Weather consulting firms
- Research and testing stations
- Radio and television stations

#### **Overview:**




**Overview:** Military enlisted personnel work in various occupations in the Army, Air Force, Coast Guard, Marine Corps, and Navy.

Career Cluster: Law, Public Safety, Corrections, and Security

# Subjects:

- Physical Education
- First Aid/Safety
- Computers/technology
- Engineering
- Reading and writing
- Math

### Schooling:

Have a high school diploma or equivalent

# Where to Find Me:

Government base

**Overview:** Music composers, directors, and arrangers write, arrange, and direct music.

Career Cluster: Arts, Audio/Visual Technology, and Communications

### Subjects:

- Reading and writing
- Art (music)

# Schooling:

- Have a bachelor's degree in music
- $\boldsymbol{\cdot}$  Have one to five years of experience as a musician

- Performing arts companies
- Religious Organizations





**Overview:** Musicians perform music on stage and in recording studios.

Career Cluster: Arts, Communications & Information Systems

### Subjects:

- Reading and writing
- Band
- · Chorus
- Computers/technology

# Schooling:

- · Complete long-term, on-the-job training
- $\boldsymbol{\cdot} \text{ Be talented}$

### Where to Find Me:

- Elementary, middle, and high schools
- Colleges and universities
- Motion picture and sound recording companies
- Performing arts and sporting events

Overview: Nurses care for patients who are ill or injured.

### Career Cluster: Health Science

### Subjects:

- $\boldsymbol{\cdot} \text{ Science}$
- Math
- Computers/technology

### Schooling:

- Graduate from a nursing program (2-year or 4-year)
- · Complete supervised clinical work experience
- $\boldsymbol{\cdot}$  Have a license

- Hospitals
- Doctor's offices
- Home health care services
- Schools
- Nursing homes and other personal care facilities

- Safety and first aid
- · Health





**Overview:** Painters apply paint, stain, varnish, and other finishes to buildings and other structures.

Career Cluster: Architecture and Construction

# Subjects:

- Physical Education
- · Safety
- Math

### Schooling:

Complete moderate-term, on-the-job training

# Where to Find Me:

Painting and wallpaper hanging companies

**Overview:** Emergency medical technicians and paramedics give care to ill or injured people in emergency situations. If patients need more care, they drive them to medical facilities.

Career Cluster: Law, Public Safety, Corrections, and Security

### Subjects:

- Math
- Science
- Computers/technology

# Schooling:

- $\boldsymbol{\cdot}$  High school diploma or equivalent
- Complete an approved emergency medical technician program
- $\cdot$  Be certified

- Hospitals
- Private ambulance firms
- Fire departments

- First Aid/Safety
- · Health





Overview: Pharmacists dispense drugs and provide information about their use.

Career Cluster: Health Science

### Subjects:

- Science
- Math
- Reading and writing

### Schooling:

- · Complete at least two years of pre-pharmacy courses in college
- Graduate from a four-year pharmacy program
- Complete an internship
- Pass a state licensing exam

#### Where to Find Me:

- Pharmacies and drug stores
- $\boldsymbol{\cdot}$  Hospitals and clinics
- Grocery store pharmacies

**Overview:** Photographers produce images that paint a picture, tell a story, or record an event.

Career Cluster: Arts, Audio/Visual Technology, and Communications

#### Subjects:

- Art
- Computers/technology
- Reading and writing

#### Schooling:

- · High school diploma or equivalent
- Complete long-term, on-the-job training

- Photographic portrait studios
- Newspapers and magazines

- First Aid/Safety
- Health





**Overview:** Airplane and commercial pilots fly airplanes and helicopters.

Career Cluster: Transportation, Distribution, and Logistics

# Subjects:

- Math
- Science
- Computers/technology
- $\boldsymbol{\cdot} \text{ Engineering}$
- Reading
- Safety

### Schooling:

- High school diploma or equivalent
- · Complete flight training and requirements for a commercial pilot's license

### Where to Find Me:

- National and regional airlines
- · Airports, flying fields, and airplane services
- Flight training schools

**Overview:** Plumbers and pipefitters install and repair pipe systems that carry water, steam, air, or other fluids or gases.

Career Cluster: Architecture and Construction

### Subjects:

- Reading
- Art
- Math

# Schooling:

- High school diploma or equivalent
- Complete an apprenticeship program

- Construction and plumbing companies
- Pipeline transportation companies
- Repair services
- Utilities
- Transportation equipment companies

- Science
- Physical Education





**Overview:** Police officers keep order in their communities and make sure that people follow the laws.

Career Cluster: Law, Public Safety, Corrections, and Security

### Subjects:

- Physical Education
- First Aid/Safety
- $\boldsymbol{\cdot}$  Social studies
- Computers/technology

# Schooling:

- · Have a high school diploma or equivalent
- Complete moderate-term, on-the-job training

### Where to Find Me:

· Local, state, and federal police departments

**Overview:** Secretaries and receptionists greet visitors, answer phone calls, and perform clerical duties.

Career Cluster: Business Management and Administration

# Subjects:

- Computers/technology
- $\boldsymbol{\cdot}$  Reading and writing

# Schooling:

- · Have a high school diploma or equivalent
- · Complete short-term, on-the-job training

- Schools and colleges
- $\boldsymbol{\cdot}$  Doctors' offices
- Dentists' offices
- Temporary worker agencies
- · Local, state, and federal government agencies
- Hospitals





**Overview:** News reporters write and report news stories for newspaper, radio, or television.

Career Cluster: Arts, Audio/Visual Technology, and Communications

#### Subjects:

- Reading and writing
- $\cdot$  Computers/technology
- Geography

#### Schooling:

Have a bachelor's degree

#### Where to Find Me:

- Radio and television stations
- Newspapers

**Overview:** Scientists investigate systems in the natural world to solve problems and learn about the world around us.

Career Cluster: Science, Technology, Engineering, and Mathematics

### Subjects:

- $\boldsymbol{\cdot}$  Reading and writing
- Computers/technology
- Math
- Science
- Safety

### Schooling:

Have at least a bachelor's degree

### Where to Find Me:

- Government agencies
- Colleges and universities
- Research and development companies
- Drug companies

 $\boldsymbol{\cdot}$  Food production companies





**Overview:** Surgeons perform surgery to diagnose and treat patients.

Career Cluster: Health Science

### Subjects:

- Science
- Math
- First Aid and safety

### Schooling:

- Have a bachelor's degree
- Graduate from medical school
- Complete an internship
- Pass a state licensing exam
- · Complete a five-year residency program in surgery
- Pass additional exams to become board certified

### Where to Find Me:

- Doctor's offices
- $\cdot$  Hospitals
- · Federal, state, and local government agencies

**Overview:** Taxi drivers and chauffeurs transport passengers to and from their homes, work places, and other locations.

Career Cluster: Transportation, Distribution, and Logistics

### Subjects:

- Computers/technology
- · Safety
- Reading
- Geography

### Schooling:

- Have a taxi or chauffeur's license
- · Have a driver's license and a good driving record
- Complete short-term, on-the-job training

- Taxi and limousine companies
- Shuttle Services
- Car rental companies

- Computers/Technology
- · Health
- Reading





**Overview:** Teachers help children explore their interests and develop their talents. They help children build self-esteem and learn how to behave with others.

Career Cluster: Education and Training

# Subjects:

- Math
- $\boldsymbol{\cdot}$  Reading and writing
- $\cdot \text{ Computers/technology}$

# Schooling:

- Have at least a bachelor's degree
- Complete a teacher education program and student teacher internship
- $\boldsymbol{\cdot}$  Pass a state licensing exam

### Where to Find Me:

- · Child day care
- Elementary, middle or high school
- Religious organizations

**Overview:** Trash collectors collect garbage and transport it to dumps or landfills.

Career Cluster: Agriculture, Food, and Natural Resources

### Subjects:

- Physical Education
- First Aid/Safety

# Schooling:

· Complete short-term, on-the-job training

- Local government agencies (sanitation department)
- Trash collection companies
- Waste treatment and disposal companies

- Social studies
- Science





**Overview:** Veterinarians treat animal health problems. They work to prevent, control, and cure animal diseases.

#### Career Cluster: Health Science

#### Subjects:

- Science
- $\boldsymbol{\cdot} \operatorname{Math}$
- Reading and Writing
- $\cdot$  Computers/technology
- First Aid/Safety
- · Health

### Schooling:

- · Complete at least two years of pre-veterinary study
- Graduate from veterinary medicine school
- Pass a state licensing exam

### Where to Find Me:

Veterinary hospitals and clinics

**Overview:** Waiters and waitresses serve food in restaurants and other dining establishments.

Career Cluster: Hospitality and Tourism

### Subjects:

- Physical Education
- · Safety
- · Health
- Reading and writing

# Schooling:

Complete short-term, on-the-job training

### Where to Find Me:

Full-service restaurants
