

# Learning for Earning

Your Route to Success

Sixth Edition



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*PowerPoint Presentations for*

# Learning for Earning

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**CHAPTER**

**5**

# **Types of Careers**



# Chapter Objectives

After studying this chapter, you will be able to

- identify 16 career clusters.
- describe a wide range of pathways and career options within each career cluster.
- determine the requirements for and opportunities in one or more careers that interest you.



# Key Terms

- paraprofessional
- logistics
- e-marketing



# Exploring Careers

- The U.S. Department of Education identifies 16 career clusters.
- The jobs within each cluster
  - require different levels of education and training.
  - often use skills that can be transferred to other jobs within the cluster.



# Did You Know?



- ❖ *Your career can take many directions since you will likely work for many different employers in life. The U.S. average is 3.6 years per employer.*

Source: U.S. Department of Labor

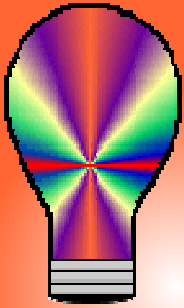


# Job Growth

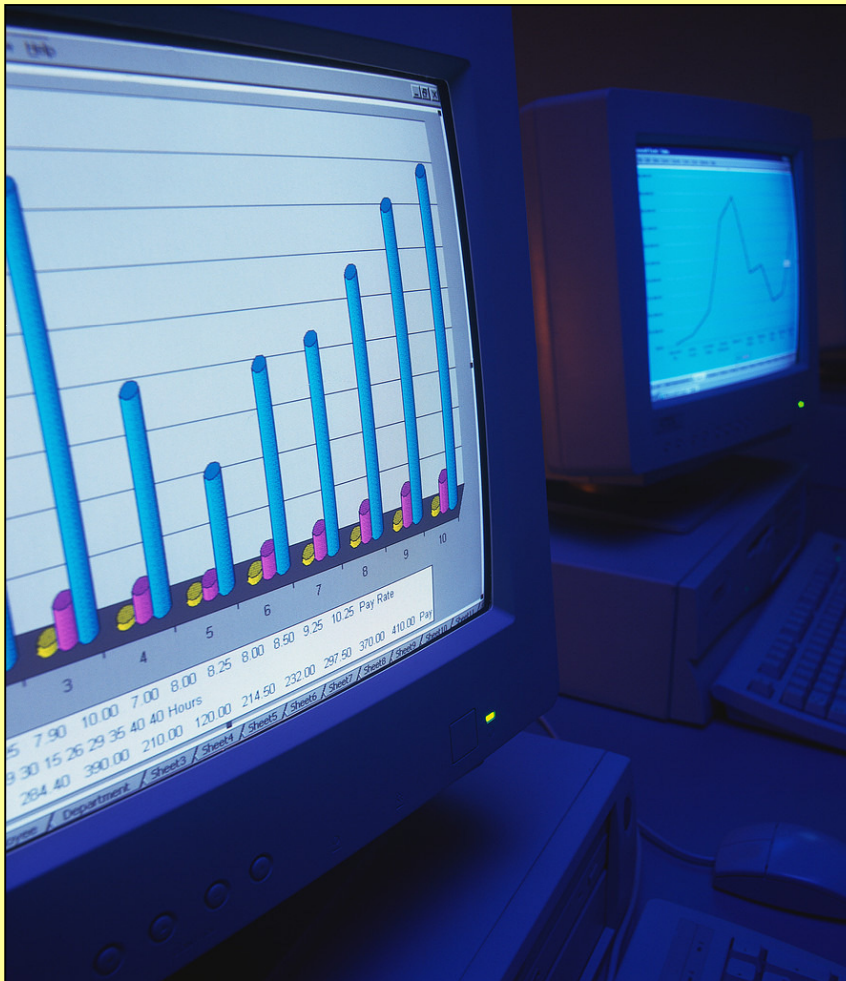
- In general, employment between 2006 and 2016 is expected to increase by 15.6 million jobs.
- The top 10 fastest-growing occupational areas all involve positions in the service sector.

Source: U.S. Department of Labor





# Think About It



- ❖ *Why are job-growth statistics important to those preparing for careers?*
- ❖ *Are opportunities increasing in the career area that interests you?*





# The Career Clusters

- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Arts, Audio/Video Technology, and Communications
- Business, Management, and Administration
- Education and Training
- Finance
- Government and Public Administration
- Health Science

*Continued*



# The Career Clusters

- Hospitality and Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections, and Security
- Manufacturing
- Marketing, Sales, and Service
- Science, Technology, Engineering, and Mathematics
- Transportation, Distribution, and Logistics



# Agriculture, Food, and Natural Resources


- Careers involve working with plants, animals, and food processing. Power, structural, and technical systems as well as natural resources, the environment, and agribusiness are included.
- There are many entry-level jobs in this cluster.
- The government is one of the largest employers.

# Jobs in Agriculture, Food, and Natural Resources

- Forester
- Farmer
- Food inspector
- Veterinarian
- Biochemist
- Environmental engineer



❖ *What jobs can you add to the list?*



# Architecture and Construction

- People in this career cluster design and build roads, bridges, and buildings.
- Planners, designers, and engineers need college degrees.
- Construction workers learn specialized skills in technical programs. They work primarily outdoors in somewhat dangerous conditions.

# Jobs in Architecture and Construction

- Architect
- Carpenter
- Contractor
- Electrician
- Plumber
- Heavy equipment operator



❖ *What jobs can you add to the list?*



# Arts, Audio/Video Technology, and Communications

- Careers in this cluster are rewarding, creative, challenging, and constantly changing.
- Training and education requirements are as varied as the careers themselves.



# Jobs in Arts, Audio/Video Technology, and Communications

- Photographer
- Artist
- Dancer
- Announcer
- Actor
- Audio engineer
- ❖ *What jobs can you add to the list?*





# Business, Management, and Administration

- An office is a common job site for people in this career cluster.
- Many entry-level jobs are available for high school graduates.
- Technological advances strongly impact this cluster.
- These jobs are widely available in government, education, and company settings.

# Jobs in Business, Management, and Administration



- Administrator
- Receptionist
- Office manager
- File clerk
- Word processor
- Entrepreneur

❖ *What jobs can you add to the list?*



# Education and Training

- People who enjoy working with and helping people have jobs in this cluster.
- Careers are personally rewarding.
- Job sites can be a classroom, gym, office, health club, library, or private home.
- Most jobs require special training and an advanced college degree.

# Jobs in Education and Training

- Teacher
- Coach
- Trainer
- Counselor
- Principal
- Librarian



❖ *What jobs can you add to the list?*



# Finance

- Job tasks in this cluster usually involve money and financial decisions.
- People may work for individual clients or various firms or organizations.
- The jobs require careful attention to details.
- Most occupations require advanced training or a college degree.

# Jobs in Finance



- Banker
  - Financial planner
  - Loan officer
  - Tax preparer
  - Insurance agent
  - Credit counselor
- ❖ *What jobs can you add to the list?*



# Government and Public Administration

- Jobs in this cluster provide government, legislative, administrative, and regulatory services at federal, state, and local levels.
- Many are *civil service jobs*, which require taking a competitive exam.
- Some government jobs have a *residency requirement*, a demand that an applicant live in a certain area.

# Jobs in Government and Public Administration

- City manager
- Parks director
- Urban planner
- Legislator
- Agency director
- Policy analyst



❖ *What jobs can you add to the list?*



# Health Science

- Workers in this cluster help people recover from illness and injury and stay healthy.
- This broad field has jobs at all levels, especially entry level.
- Work sites include hospitals, clinics, nursing homes, laboratories, dentist offices, and drugstores.

# Health Science



- ***Paraprofessional*** – A trained aid, with one to three years of advanced training, who assists professionals.

# Jobs in Health Science

- Nurse
- Doctor
- Dental hygienist
- Paramedic
- Clinical lab technician
- Dietitian

❖ *What jobs can you add to the list?*





# Hospitality and Tourism

- Workers in this career cluster focus on making visitors happy and comfortable.
- Work sites include hotels, restaurants, cruise ships, country clubs, and tourist attractions.
- Many jobs are open to high school graduates and offer on-the-job training.

# Jobs in Hospitality and Tourism



- Chef
- Greeter
- Lodging manager
- Ticket agent
- Restaurant manager
- Tour guide
- ❖ *What jobs can you add to the list?*





# Human Services

- Jobs in this career cluster focus on improving the quality of life for a person, family, or community.
- People of all age groups, ability levels, and income levels are helped.
- Work sites include homes, schools, child care centers, clinics, and community centers.

# Jobs in Human Services

- Social worker
- Psychologist
- Psychotherapist
- Child care worker
- Employment specialist
- Substance abuse counselor



❖ *What jobs can you add to the list?*



# Information Technology

- Occupations in this cluster design, develop, manage, and support hardware and software information systems.
- Jobs require strong computer skills and certification verifying advanced knowledge.
- Continuous training is required to stay updated on technological advances.

# Jobs in Information Technology

- Technical writer
- Database manager
- Web designer
- Software engineer
- Multimedia producer
- Network director
- ❖ *What jobs can you add to the list?*



# Law, Public Safety, Corrections, and Security

- This career cluster involves planning, managing, and providing judicial, legal, and protective services.
- Jobs are available at local, state, and federal levels.
- Many jobs require pre-employment tests.
- Technical training is usually a minimum requirement.

# Jobs in Law, Public Safety, Corrections, and Security

- Police officer
  - Attorney
  - Inspector
  - Paramedic
  - Firefighter
  - Security guard
- ❖ *What jobs can you add to the list?*



# Manufacturing

- People with jobs in this career cluster generally work in factories.
- Workers build all types of commercial and industrial products, produce steel, make textiles, and process chemicals and food.
- Production workers are classified according to their skill levels.



# Manufacturing



- ***Logistics*** – The process of managing, controlling, and moving goods, energy, information, services, or people from a point of origin to a destination in the most timely and cost-efficient manner possible.

# Jobs in Manufacturing



- Machinist
- Engineer
- Welder
- Production technician
- Tool and dye maker
- Quality control technician

❖ *What jobs can you add to the list?*



# Marketing, Sales, and Service

- Careers in this career cluster involve the marketing, promoting, buying, and selling of goods and services.
- There are many job opportunities for semiskilled and skilled workers.
- ***E-marketing*** – Computer technologies combined with marketing and sales of goods and services.

# Marketing, Sales, and Services

- Advertiser
- Stock clerk
- Purchasing agent
- Sales associate
- Marketing director
- Real estate broker
- ❖ *What jobs can you add to the list?*





# Science, Technology, Engineering, and Mathematics

- People working in this career cluster provide research, laboratory, and testing services.
- Knowledge of computer operations is important.
- Advanced degrees are often required.
- Entry-level jobs usually require a college education.

# Jobs in Science, Technology, Engineering, and Mathematics

- Chemical engineer
- Biologist
- Mathematician
- Oceanographer
- Laboratory technician
- Quality control director



❖ *What jobs can you add to the list?*



# Transportation, Distribution, and Logistics

- Transportation jobs move passengers, cargo, and mail by land, sea, and air.
- Jobs in distribution and logistics involve behind-the-scenes activities that make the transportation system function.
- *Global positioning system (GPS)* – A satellite-based tracking system that locates cargo and equipment.



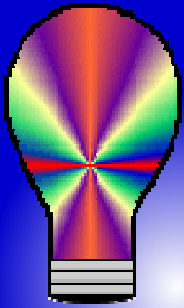
# Jobs in Transportation, Distribution, and Logistics

- Airplane pilot
- Warehouse manager
- Truck driver
- Ship captain
- Air traffic controller
- Automotive technician



❖ *What jobs can you add to the list?*





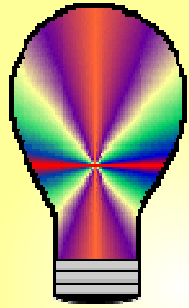
# Think About It

- ❖ *Name the 16 career clusters.*
- ❖ *In which career cluster does your career interest belong?*
- ❖ *Does your career interest involve a service-oriented occupation?*



# Chapter 5: In the Know

- A career cluster is a group of careers that
  - is based on common interests and skills.
  - makes use of transferable skills.
  - includes a wide variety of jobs requiring different levels of education and training.
- The vast majority of the jobs being created are in the service sector.
- Some career areas have greater potential for job growth than others.



## Chapter 5: Think More About It

- ❖ *Do job trends suggest increasing employment opportunities for your career interest?*
- ❖ *Which career clusters are primarily responsible for new employment opportunities in your region?*