

Be A Part of Transportation, Distribution & Logistics





THE ROAD TO SUCCESS: CAREERS IN TRANSPORTATION, DISTRIBUTION & LOGISTICS

Today's modern technology allows us to travel from one place to another quickly and in a variety of ways – by air, sea, highway and rail. With people all over the globe constantly in motion, there's a consistent need to build, manage and maintain these various methods of transportation. Why not consider a career that will help keep the people and goods of the world on the move? The expansive field of transportation, distribution and logistics includes jobs that suit a range of interests and talents. If you'd like to be the driving force (literally) behind a mode of transportation, consider becoming a truck driver, railroad conductor or pilot. Behind the scenes, you might want to try your hand at designing or maintaining transportation equipment. Or perhaps you're a people person – in that case, a career on the sales and service side of transportation may be for you.

Careers also include logistics; the planning, construction and maintenance of transportation facilities and equipment; the management of safety and security; the sales of transportation equipment and the providing of service to customers. Transportation field workers not only get people from Point A to Point B – they take goods where they need to go by managing freight trains or working in distribution centers, for example. Transportation is a field that's witnessing many changes. Security and safety concerns are on the rise, transportation technology continues to advance and global trade and travel are expanding, as is the world population. That means a growing demand and more job opportunities for those considering a career in the transportation field.

Career clusters are tools that can help you decide which career path to follow, and the education and training that's required to reach your chosen career goals. They provide an outline of what you'll learn in school to prepare for a career in a specific professional field.

THE TRANSPORTATION, DISTRIBUTION & LOGISTICS CAREER CLUSTER

The Transportation, Distribution and Logistics Career Cluster is divided into the following seven majors:

- » Transportation Operations
- » Transportation System Infrastructure
- » Health, Safety and Environmental Management
- » Facility and Mobile Equipment Maintenance
- » Sales and Service
- » Warehousing and Distribution Center Operations
- » Logistics Planning and Management Services

Each of these majors consists of jobs that keep the people and goods of our world moving, but job descriptions vary greatly. Some jobs, such as train engineers and airplane mechanics, involve hands-on work with heavy equipment. Some, such as transportation marketing managers and logistics analysts, require people and computer skills.

Professionals working within the Transportation, Distribution and Logistics Cluster are typically employed by a company or government agency. Educational requirements vary from a high school diploma to a law degree, depending on the job.

According to the Occupational Information Network (O*NET), there are more than 100 occupations that fall under the Transportation, Distribution and Logistics Cluster, so the choices are vast for students interested in becoming a part of this industry.





TRANSPORTATION OPERATIONS: Transportation Operation majors are involved in the physical movement of transportation modules, including cars, airplanes, trains, ships, trucks and buses. Included are those who operate the transportation equipment, such as pilots, truck drivers and ship captains, as well as those who work in operations of transportation equipment, such as airport managers, flight attendants and dispatchers.

**IF YOU CHOOSE TRANSPORTATION OPERATIONS
AS YOUR CAREER MAJOR, YOU MAY BE A PART OF:**

- Issue landing and take-off authorizations and instructions
- Steer aircraft along planned routes, using autopilot and flight management computers
- Interpret train orders, signals and railroad rules and regulations that govern the operation of locomotives
- Set operations policies and standards, including determination of safety procedures for the handling of dangerous goods
- Drive large trucks, including tractor-trailer combinations, to transport and deliver products, livestock or other materials

SAMPLE CAREERS

Associate's Degree or Less

Annual Salary Range
\$30,000-\$50,000

- Truck Driver
- Dispatcher
- Scheduler
- Bus Driver
- Harbor Master
- Fueler
- Train Engineer
- Conductor

Bachelor's Degree

Annual Salary Range
\$50,000-\$100,000

- Operations Research Systems Analyst
- Military Flight Operations Manager
- Ship Captain
- Airport Manager
- Quality Manager
- Flight Services Manager
- Business Process Engineer
- Process Improvement Manager
- Operations Manager
- Terminal Manager

**Bachelor's Degree +
Graduate Degrees
and/or Certifications**
Annual Salary Range

\$100,000+

- Pilot
- Company Owner
- Air Traffic Controller

Career	Entry-Level Education	Annual Median Salary & Hourly Pay (2020)	Job Outlook (2019–29)	Responsibilities	Skills
Truck Driver	Certification/On the Job Training and Commercial Driver's License (CDL)	\$47,130/year \$22.66/hour	Rapid Growth	<ul style="list-style-type: none"> Heavy and tractor-trailer truck drivers transport goods from one location to another Most tractor-trailer drivers are long-haul drivers and operate trucks with a gross vehicle weight (GVW) capacity—that is, the combined weight of the vehicle, passengers, and cargo—exceeding 26,000 pounds These drivers deliver goods over intercity routes, sometimes spanning several states 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing
Pilot	Bachelor's Degree/Military experience plus FAA License	\$130,444/year \$67.94/hour	8% (Faster than average)	<ul style="list-style-type: none"> Airline and commercial pilots fly and navigate airplanes, helicopters, and other aircraft Airline pilots fly for airlines that transport people and cargo on a fixed schedule Commercial pilots fly aircraft for other purposes, such as charter flights, rescue operations, firefighting, aerial photography, and aerial application, also known as crop dusting 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing
Bus Driver	High School Diploma or Equivalent and Commercial Driver's License (CDL)	\$45,900/year \$23.91/hour	8% (Faster than average)	<ul style="list-style-type: none"> Bus drivers transport people between various places—including, work, school, and shopping malls—and across state and national borders Some drive regular routes, and others transport passengers on chartered trips or sightseeing tours They drive a range of vehicles, from 15-passenger buses to 60-foot articulated buses (with two connected sections) that can carry more than 100 passengers 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing
Operations Research Systems Analyst	Bachelor's Degree	\$86,200/year \$41.44/hour	25% (Much faster than average)	<ul style="list-style-type: none"> Operations research analysts use advanced mathematical and analytical methods to help organizations investigate complex issues, identify and solve problems, and make better decisions Operations research analysts spend most of their time in offices, although some conduct site inspections before doing their analysis 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing



TRANSPORTATION SYSTEM INFRASTRUCTURE: Transportation System Infrastructure majors are responsible for designing, managing and regulating public transportation systems, from a city's roadways to an airport's runways. They inspect and monitor mobile transportation equipment, monitor goods as they're transported, manage factors that affect the flow of traffic on roads, and study systems to determine the best changes or improvements to be made.

IF YOU CHOOSE TRANSPORTATION SYSTEM INFRASTRUCTURE AS YOUR CAREER MAJOR, YOU MAY BE A PART OF:

- Inspect work of aircraft mechanics performing maintenance, modification or repair and overhaul of aircraft and aircraft mechanical systems to ensure adherence to standards and procedures
- Clear goods through customs and to their destinations for clients
- Inspect shipments to ensure that freight is securely braced and locked
- Develop design ideas for new or improved transport infrastructure, such as junction improvements, pedestrian projects, bus facilities and car parking areas
- Recommend transportation system improvements or projects, based on economic, population, land-use or traffic projections

SAMPLE CAREERS

Associate's Degree or Less

**Annual Salary Range
\$30,000-\$60,000**

- Construction Supervisor
- Civil Engineering Technician
- Drafter/CAD Technician
- Facility Engineer
- Motor Carrier

Bachelor's Degree

**Annual Salary Range
\$50,000-\$100,000**

- Electronics Engineering Technician
- Surveyor
- Transportation Planner
- Civil Engineer
- Structural Engineer
- Highway Engineer
- Traffic Engineer
- Safety Inspector

**Bachelor's Degree +
Graduate Degrees
and/or Certifications**

**Annual Salary Range
\$100,000+**

- Architect
- Lawyer
- Agency Administrator

Career	Entry-Level Education	Annual Median Salary & Hourly Pay (2020)	Job Outlook (2019–29)	Responsibilities	Skills
Civil Engineer	Bachelor's Degree	\$88,570/year \$42.58/hour	2% (Slower than average)	<ul style="list-style-type: none"> Plan, design and build highways, bridges, utilities and other infrastructure projects Plan, design and build commercial, industrial and residential land development projects 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing
Safety Inspector	Associate's Degree	\$72,530/year \$34.87/hour	4% (Average)	<ul style="list-style-type: none"> Occupational health and safety specialists analyze many types of work environments and work procedures Specialists inspect workplaces for adherence to regulations on safety, health, and the environment Design programs to prevent disease or injury to workers and damage to the environment 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing
Architect	Bachelor's Degree	\$82,320/year \$39.58/hour	1% (Slower than average)	<ul style="list-style-type: none"> Plan and design houses, factories, office buildings and other structures 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing
Civil Engineering Technician	Associate's Degree	\$54,080/year \$26.00/hour	3% (Average)	<ul style="list-style-type: none"> Helps Civil Engineers plan, design and build highways, bridges, utilities and other infrastructure projects Plan, design and build commercial, industrial and residential land development projects 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing



HEALTH, SAFETY & ENVIRONMENT MANAGEMENT: People in these majors include inspectors of accidents and emissions, security and customs officers, air marshals, environmental analysts and lawyers.

IF YOU CHOOSE HEALTH, SAFETY & ENVIRONMENT MANAGEMENT AS YOUR CAREER MAJOR, YOU MAY BE A PART OF:

- Investigate accidents to identify causes and to determine how such accidents might be prevented
- Conduct safety training and education programs and demonstrations
- Monitor and authorize entrance and departure of employees, visitors and other persons to guard against theft and maintain security
- Determine the nature of code violations and actions to be taken, and issue written notices of violations, participating in enforcement hearings if necessary
- Examine immigration applications, visas and passports and interview persons to determine eligibility for admission, residence and travel in the U.S.

SAMPLE CAREERS

Associate's Degree or Less
Annual Salary Range
\$30,000-\$50,000

- Safety or Environmental Inspectors
- Accident Investigators
- Security Officers
- Flight Attendant
- Emergency Manager
- Quality Control Inspector

Bachelor's Degree
Annual Salary Range
\$50,000-\$100,000

- Emergency Management Director
- Environmental Analyst
- Public Administrator
- Traffic Safety Officer
- Air Marshall
- Customs Officer
- Coast Guard Officer
- Civil Engineer

**Bachelor's Degree +
Graduate Degrees
and/or Certifications**
Annual Salary Range
\$100,000+

- Environmental Lawyer

Career	Entry-Level Education	Annual Median Salary & Hourly Pay (2020)	Job Outlook (2019–29)	Responsibilities	Skills
Emergency Management Directors	Bachelor's Degree	\$76,250/year \$36.67/hour	4% (Average)	<ul style="list-style-type: none"> • Prepare plans and procedures for responding to natural disasters or other emergencies • Help lead the response during and after emergencies, often in coordination with public safety officials, elected officials, nonprofit organizations, and government agencies 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Quality Control Inspector	High School Diploma or Equivalent	\$40,460/year \$19.45/hour	-1% (Decline)	<ul style="list-style-type: none"> • Examine products and materials for defects or deviations from specifications 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Safety Inspector	Bachelor's Degree	\$72,530/year \$34.87/hour	4% (Average)	<ul style="list-style-type: none"> • Occupational health and safety specialists analyze many types of work environments and work procedures • Specialists inspect workplaces for adherence to regulations on safety, health, and the environment • Design programs to prevent disease or injury to workers and damage to the environment 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Environmental Lawyer	Bachelor's Degree plus Law School (must pass the BAR exam)	\$129,930/year \$61.03/hour	4% (Average)	<ul style="list-style-type: none"> • Advise and represent individuals, businesses, and government agencies on legal issues and disputes dealing with environmental issues 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing



FACILITY & MOBILE EQUIPMENT MAINTENANCE: This major includes mechanics and technicians with expertise in a specific type of equipment, engineers who specialize in the design and maintenance of transportation equipment, as well as operations management positions.

IF YOU CHOOSE FACILITY & MOBILE EQUIPMENT MAINTENANCE AS YOUR CAREER MAJOR, YOU MAY BE A PART OF:

- Read and interpret maintenance manuals, service bulletins, and other specifications to determine repair feasibility and methods
- Examine and inspect aircraft components, including landing gear, hydraulic systems, and deicers to locate cracks, breaks, leaks, or other problems
- Test mechanical products and equipment after repair or assembly to ensure proper performance and compliance with manufacturers' specifications
- Research, design, evaluate, install, operate and maintain mechanical products, equipment, systems and processes to meet requirements, applying knowledge of engineering principles
- Direct and coordinate activities of engineering or technical personnel designing, fabricating, modifying, or testing of aircraft or aerospace products

SAMPLE CAREERS

Associate's Degree or Less
Annual Salary Range
\$30,000-\$60,000

- Automotive Technician
- Collision Repair Technician
- Diesel Mechanic/Technician
- Welder
- Fleet Maintenance Manager
- Railcar Technician
- Mechanical Engineering Technician
- Electrical Engineering Technician
- Civil Engineering Technician

Bachelor's Degree
Annual Salary Range
\$50,000-\$100,000

- Network and Computer Systems Operators
- Mechanical Engineer
- Aerospace Engineer
- Design Engineer
- Electrical Engineer
- Computer Engineer
- Civil Engineer
- Integration Engineer
- Process Engineer
- Manufacturing Operations Manager

Bachelor's Degree + Graduate Degrees and/or Certifications
Annual Salary Range
\$100,000+

- Systems Engineer
- Quality Engineer
- Company Owner
- CEO

Career	Entry-Level Education	Annual Median Salary & Hourly Pay (2020)	Job Outlook (2019–29)	Responsibilities	Skills
Collision Repair/Glass Technician	High School Diploma/ Associate's Degree	\$44,190/year \$21.24/hour	4% (Average)	<ul style="list-style-type: none"> • Restore, refinish, and replace vehicle bodies and frames, windshields, and window glass 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Automotive Technician	Associate's Degree	\$44,050/year \$21.18/hour	4% (Average)	<ul style="list-style-type: none"> • Often called service technicians or service techs • Inspect, maintain, and repair cars and light trucks 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Mechanical Engineer	Bachelor's Degree	\$90,160/year \$43.35/hour	4% (Average)	<ul style="list-style-type: none"> • Design, develop, build, and test mechanical and thermal sensors and devices, including tools, engines, and machines 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Network and Computer Systems Operators	Bachelor's Degree	\$84,810/year \$40.77/hour	4% (Average)	<ul style="list-style-type: none"> • Computer networks are critical parts of almost every organization • Responsible for the day-to-day operation of these networks 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing



SALES & SERVICE: Sales and Service majors want to pursue a career in sales, marketing or business. Jobs include marketing managers, customer service representatives, market analysts and finance specialists.

**IF YOU CHOOSE SALES & SERVICE AS YOUR CAREER MAJOR,
YOU MAY BE A PART OF:**

- Converse with customers to determine destination, mode of transportation, travel dates, financial considerations and accommodations required
- Confer with customers by telephone or in person to provide information about products and services, take or enter orders and handle complaints
- Provide information to help companies determine their position in the marketplace
- Plan and direct staffing, training, and performance evaluations to develop and control sales and service programs
- Formulate, direct and coordinate marketing activities and policies to promote products and services, working with advertising and promotion managers

SAMPLE CAREERS

Associate's Degree or Less

Annual Salary Range
\$30,000-\$50,000

- Reservation Agent
- Customer Service Representative
- Salesperson
- Service Writer
- Leasing Specialist
- Title/Registration Administrator

Bachelor's Degree

Annual Salary Range
\$50,000-\$100,000

- General Manager
- Market Analyst
- Marketing Manager
- Contract Officer
- Procurement Officer
- Finance Specialist

**Bachelor's Degree +
Graduate Degrees
and/or Certifications**
Annual Salary Range

\$100,000+

- Purchasing Agent
- Sales Manager
- Company Owner
- CEO
- Senior sales Professional
- Consultant

Career	Entry-Level Education	Annual Median Salary & Hourly Pay (2020)	Job Outlook (2019–29)	Responsibilities	Skills
Customer Service Representative	High School Diploma or Equivalent/ On the Job Training	\$35,830/year \$17.23/hour	-2% (Decline)	<ul style="list-style-type: none"> Interact with customers to handle complaints, process orders, and provide information about an organization's products and services 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing
Purchasing Agent	Bachelor's Degree	\$72,270/year \$34.74/hour	-7% (Decline)	<ul style="list-style-type: none"> Plan, direct, and coordinate the buying of materials, products, or services for wholesalers, retailers, or organizations Oversee the work of procurement-related occupations including buyers and purchasing agents 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing
Market Research Analyst	Bachelor's Degree	\$65,810/year \$31.64/hour	18% (Much faster than average)	<ul style="list-style-type: none"> Study market conditions to examine potential sales of a product or service Help companies understand what products people want, who will buy them, and at what price 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing
Sales Manager	Bachelor's Degree	\$132,290/year \$63.30/hour	4% (Average)	<ul style="list-style-type: none"> Direct organizations' sales teams Set sales goals, analyze data, and develop training programs for organizations' sales representatives 	<ul style="list-style-type: none"> Active listening Coordination Critical thinking Decision making Judgment Reading comprehension Speaking Writing



WAREHOUSING & DISTRIBUTION CENTER OPERATIONS: These majors are responsible for managing the inventories of products and materials at these facilities, as well as processing, sorting, assembling and packaging the goods. They also provide customer service to buyers of the products, manage warehouse and distribution center workers and ensure that safety compliance standards are met.

IF YOU CHOOSE WAREHOUSING & DISTRIBUTION CENTER OPERATIONS AS YOUR CAREER MAJOR, YOU MAY BE A PART OF:

- Develop manufacturing methods, labor utilization standards, and cost analysis systems to promote efficient staff and facility utilization
- Coordinate quality control objectives and activities to resolve production problems, maximize product reliability, and minimize cost
- Check specifications of materials loaded or unloaded against information contained in work orders
- Move freight, stock, and other materials to and from storage and production areas, loading docks, delivery vehicles, ships, and containers, by hand or using trucks, tractors, and other equipment
- Assemble, line, and pad cartons, crates, and containers, using hand tools

SAMPLE CAREERS

Associate's Degree or Less
Annual Salary Range
\$30,000-\$50,000

- Forklift Operator/Moving Machine Operator
- Warehouse Supervisor
- Parts Manager
- Hazardous Materials Specialist
- Database Specialist
- Inventory Specialist
- Distribution Manager
- Shipping Specialist

Bachelor's Degree
Annual Salary Range
\$50,000-\$100,000

- Logistician
- Industrial Engineer
- Database Administrator
- Distribution Center Manager
- Inventory Manager
- Import/Export Manager
- Logistics Engineer
- Industrial Engineering Technician
- Quality Control Manager

Bachelor's Degree + Graduate Degrees and/or Certifications
Annual Salary Range
\$100,000+

- Company Owner
- CEO

Career	Entry-Level Education	Annual Median Salary & Hourly Pay (2020)	Job Outlook (2019–29)	Responsibilities	Skills
Fork Lift Operator/ Moving Machine Operator	High School Diploma or Equivalent/ On the Job Training	\$37,790/year \$18.17/hour	2% (Slower than average)	<ul style="list-style-type: none"> • Use machinery to transport various objects • Move construction materials around building sites or excavate earth from a mine • Move goods around a warehouse or onto container ships 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Logistician	Bachelor's Degree	\$76,270/year \$36.67/hour	4% (Average)	<ul style="list-style-type: none"> • Analyze and coordinate an organization's supply chain—the system that moves a product from supplier to consumer • Manage the entire life cycle of a product, which includes how a product is acquired, distributed, allocated, and delivered 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Industrial Engineer	Bachelor's Degree	\$88,950/year \$42.76/hour	10% (Much faster than average)	<ul style="list-style-type: none"> • Find ways to eliminate wastefulness in production processes • Devise efficient systems that integrate workers, machines, materials, information, and energy to make a product or provide a service 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Database Administrator	Bachelor's Degree	\$98,860/year \$47.53/hour	10% (Faster than average)	<ul style="list-style-type: none"> • Use specialized software to store and organize data, such as financial information and customer shipping records • Make sure that data are available to users and are secure from unauthorized access 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing



LOGISTICS PLANNING & MANAGEMENT SERVICES: People who major in this cluster include route planners, demographers, transportation planners, traffic technicians, traffic engineers, logistics analysts and logistics engineers.

IF YOU CHOOSE LOGISTICS PLANNING & MANAGEMENT SERVICES AS YOUR CAREER MAJOR, YOU MAY BE A PART OF:

- Analyze information related to transportation, such as land-use policies, environmental impact of projects, or long-range planning needs
- Analyze logistics data, using methods such as data mining and modeling and cost or benefit analysis
- Provide facility and capacity planning analyses
- Interact with the public to answer traffic-related questions, respond to complaints and requests, or discuss traffic control ordinances, plans, policies and procedures
- Direct inbound and outbound logistics operations, such as transportation or warehouse activities, safety performance, and logistics quality management

SAMPLE CAREERS

Associate's Degree or Less

**Annual Salary Range
\$30,000-\$50,000**

- Hand Laborers and Material Movers
- CAD Technician
- Route Planner
- Traffic Technician

Bachelor's Degree

**Annual Salary Range
\$50,000-\$100,000**

- Survey Researcher
- Logistics Analyst
- Logistician
- Traffic Engineer
- Industrial Engineer
- Demographer
- Transportation Manager
- Logistics Engineer
- CAD Engineer

**Bachelor's Degree +
Graduate Degrees
and/or Certifications**

**Annual Salary Range
\$100,000+**

- Company CEO

Career	Entry-Level Education	Annual Median Salary & Hourly Pay (2020)	Job Outlook (2019–29)	Responsibilities	Skills
Survey Researcher	Master's Degree	\$58,870/year \$28.29/hour	-4% (Decline)	<ul style="list-style-type: none"> • Design and conduct surveys and analyze data • Collect factual data, such as employment and salary information, or to ask questions in order to understand people's opinions, preferences, beliefs, or desires 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Logistician	Bachelor's Degree	\$76,270/year \$36.67/hour	4% (Average)	<ul style="list-style-type: none"> • Analyze and coordinate an organization's supply chain — the system that moves a product from supplier to consumer • Manage the entire life cycle of a product, which includes how a product is acquired, distributed, allocated, and delivered 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Industrial Engineer	Bachelor's Degree	\$88,950/year \$42.76/hour	10% (Faster than average)	<ul style="list-style-type: none"> • Find ways to eliminate wastefulness in production processes • Devise efficient systems that integrate workers, machines, materials, information, and energy to make a product or provide a service 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing
Hand Laborers - Material Movers	High School Diploma or Equivalent	\$30,490/year \$14.66/hour	3% (Average)	<ul style="list-style-type: none"> • Manually move freight, stock, or other materials • Feed or remove material to and from machines, clean vehicles, pick up unwanted household goods, and pack materials for moving 	<ul style="list-style-type: none"> • Active listening • Coordination • Critical thinking • Decision making • Judgment • Reading comprehension • Speaking • Writing

Online Resources

Air Line Pilots Association
www.clearedtodream.org

American Institute of Aeronautics and Astronautics
www.aiaa.org

American Public Transportation Association
www.apta.com

American Society of Mechanical Engineers
www.asme.org

American Society of Transportation and Logistics
www.apics.org

American Society of Travel Agents
www.asta.org

American Trucking Associations
www.trucking.org

Association of Flight Attendants
www.afacwa.org

Automotive Service Association
www.asashop.org

Brotherhood of Locomotive Engineers and Trainmen
www.ble.org

Carolina Aeronautical
www.carolina-aero.com

Clemson University
www.clemson.edu

Greenville Technical College
www.gvltec.edu

Material Handling Industry of America
www.mhia.org

Midlands Education & Business Alliance
www.mebasc.com

Midlands Technical College
www.midlandstech.edu

National Air Traffic Controllers Association
www.natca.org

O*NET Resource Center
www.onetcenter.org

Society of Collision Repair Specialists
www.scrs.com

South Carolina Council On Competitiveness
www.SCCompetes.org/logistics

South Carolina Occupational Information System
www.scois.net

States' Career Clusters
www.careerclusters.org

Taxicab, Limousine and Paratransit Association
www.tlpa.org

The Intermodal Association of North America
www.intermodal.org

The International Society of Logistics
www.sole.org

Trident Technical College
www.tridenttech.edu

U.S. Bureau of Labor Statistics
www.bls.gov

University of South Carolina
www.sc.edu

Warehousing Education and Research Council
www.werc.org

PROFILE OF THE South Carolina Graduate

WORLD-CLASS KNOWLEDGE

Rigorous standards in language arts
and math for career and college
readiness

Multiple languages, science, technology,
engineering, mathematics (STEM), arts and
social sciences



WORLD-CLASS SKILLS

Creativity and innovation

Critical thinking and
problem solving

Collaboration and teamwork

Communication, information,
media and technology

Knowing how to learn

LIFE AND CAREER CHARACTERISTICS

Integrity • Self-direction • Global perspective • Perseverance • Work ethic • Interpersonal skills

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Codified by the South Carolina General Assembly in 2016

Adopted by: SC Arts Alliance, SC Arts in Basic Curriculum Steering Committee, SCASCD, SC Chamber of Commerce, SC Coalition for Math & Science, SC Commission on Higher Education, SC Council on Competitiveness, SC Education Oversight Committee, SC School Boards Association, SC State Board of Education, SC State Department of Education, TransformSC Schools and Districts





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