



# Transportation Pathways

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## Career Path – Industrial & Engineering Technology – Building & Fixing

The field of Industrial & Engineering Technology is a way to speed up production, using simpler techniques and more efficient manufacturing processes. This field craves creative and technically proficient individuals who can keep a company efficient and profitable productivity.

### Career Cluster 16 – Transportation, Distribution and Logistics

This career cluster prepares you for jobs that related to planning, management, and movement of people, materials and goods by road, pipeline, air, rail, and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.



**Associate's Degree or Technical Certificate**



**Bachelor's Degree**



**Master's, PhD or Professional Degree**

*\*High School Diploma needed\**

### Career Pathways – Facility and Mobile Equipment Maintenance



**Automotive Service Technicians and Mechanics**



**Bus and Truck Mechanics and Diesel Engine Specialists**



**Mobile Heavy Equipment Mechanics**



**Motorcycle Mechanics**

*\*Recreational Vehicle Service Technicians\**

### Career Pathways – Health, Safety and Environmental Management



**Health and Safety Manager**

*\*Railroad Safety Inspector\**



**Vehicle and System Inspector**



## Career Pathways – Logistics, Planning and Management Services



Custom Brokers

*\*Dispatchers\**



Logistician



Transportation, Storage, and Distribution Managers

## Career Pathways – Sales and Services



Marketing Manager



Sales Consultant



Sales Representative

## Career Pathways – Transportation Operations, Systems and Infrastructure

*\*Ambulance Drivers and Attendants\**

*\*Bus Drivers\**



Captains, Mates, and Pilots of Water Vessels



Commercial Pilots



Heavy and Tractor-Trailer Truck Drivers

*\*Sailors and Marine Oilers\**



Ship Engineers

*\*Taxi Drivers and Chauffeurs\**

*\*Shipping, Receiving, and Traffic Clerks\**

## Career Pathways – Planning, Management and Regulation



Transportation Manager





**Transportation Planner**



**Urban or Regional Manager**

## Career Pathways – Warehousing and Distribution Center Operations

***\*Forklift Warehouse Operator\****

***\*Laborers and Freight, Stock, and Material Movers\****



**Shipping and Receiving Supervisor**



**Storage and Distribution Managers**

***\*Warehouse Clerk\****

### Related Majors:

Aerospace Engineering

Aviation Management

Commercial Fishing

Construction

Logistics

Management

### Here is what [Bellevue College](#) Offers:

Bellevue College offers career opportunities to prepare students for a transportation career.

Bellevue College offers:

- Transportation Coordinator
- Mass Transit Volunteer

### <sup>1</sup>Here are 5 jobs perfect for a Transportation graduate:

#### **1) Bus Drivers, Transit and Intercity**

This career transports people between various places and across state or national borders. Local transit bus drivers follow a daily schedule, intercity bus drivers transport passengers between cities, towns, or crossing state lines, charter bus drivers or motor coach drivers transport passengers on chartered trips or sightseeing tours, and school bus drivers transport students to and from school and other activities. Students can earn on-the-job training for a commercial driver's license (CDL).

<sup>1</sup> Sources: Career Builder, America's Job Exchange, Truity, and Bureau of Labor Statistics.



## 2) Commercial Pilots

Commercial pilots fly and navigate airplanes, helicopters and other aircraft for charter flights, rescue operations, firefighting and aerial photography. Students will need a commercial pilot's license from the Federal Aviation Administration (FAA).

## 3) Crane and Tower Operators

Operation of stationary or traveling crane to lift, move, position, and reposition loads as well as depress buttons, lifts levers, and ensures load is safely attached to crane before bringing it down. Students may need to complete an associate degree from a vocational school or receive on-the-job experience.

## 4) Refuse and Recyclable Material Collectors

Collect and dump refuse or recyclable materials from containers into a truck and may involve truck operation. Some companies may require a CDL license and provide on-the-job training.



## 5) Ship Engineers

Supervise and coordinate activities of crew engaged in operating and maintaining engines, boilers, deck machinery and electrical equipment aboard a ship. Students can obtain training from a state marine academy program.

## Best Transportation Colleges in Washington:

[University of Washington](#)— Seattle Campus offers two transportation/mobility management and two transportation/highway engineering degree programs.

[South Seattle College](#) – The college offers one transportation/mobility management degree program.

Filter:	Degree Levels	Program Length	Control Type			
School Logo	School Name	Average tuition	Student Teacher Ratio	Enrolled Students		
	University of Washington-Seattle Campus Seattle, WA	\$ \$ \$ \$ \$	12 : 1	45,408		
	South Seattle College Seattle, WA	\$ \$ \$ \$ \$	40 : 1	6,076		

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<sup>2</sup> Universities.com



### <sup>3</sup>Other Schools in the area:

#### King – Snohomish Area

##### [Aerospace Joint Apprenticeship Committee](#)

- Composite Manufacturing Specialist (Certificate)
- Industrial controls Tech (Certificate)

##### [City of Seattle, Washington Apprenticeship Committee](#)

- Automotive Mechanic (Certificate)

##### [Green River College](#)

- Aeronautical Science: Flight Operations and Aviation Operations Management (Bachelor Degree)

##### [Lake Washington Institute of Technology](#)

- Transportation, Logistics, and Supply Chain Management (Bachelor Degree)

##### [South Seattle College](#)

- Automotive Technology Program (Associate Degree)

#### South Side Area

##### [Tacoma Community College](#)

- Global Transportation & Secure Logistics (Certificate)

##### [Grays Harbor College](#)

- Commercial Transportation and Maintenance (Certificate of Completion/Achievement)

#### East Side Area

##### [Big Bend Community College](#)

- Commercial Driver's License (Certificate)

##### [Walla Walla Community College](#)

- Truck Driver Training (Certificate)

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<sup>3</sup> Washington Career Bridge

