Careers in Transportation

What is Transportation?
The safe, efficient, reliable, and sustainable movement of persons and goods over time and space.

Modes of Transportation

Air – whether shipping goods or transporting passengers, air travel is one of the fastest (and more expensive) forms of transport.

Pipeline – found underground most often, pipelines typically transport liquids or gases over long distance. This mode is often used to ship petroleum or natural gas.

Water – a less expensive alternative to air, transportation on water serves as the majority of goods shipment overseas. The largest shipping container ship in the world can hold 16,000 containers (each of which is 40 feet long). That is a lot of goods!

Railway – serving both passenger and goods movement demand, the railway industry ships 42% of the nation's freight.

Roadway – housing numerous modes (personal vehicles, public transit, trucks, bicycles, pedestrians) this includes both highways and less busy local corridors. Infrastructure for these modes such as roads, bridges, bike lanes, sidewalks, and crosswalks is expansive!

Career Fields in Transportation

- Engineering
- Finance and Accounting
- Human Resources
- International Business
- Law
- Logistics
- Marketing
- Mathematics
- Planning
- Public Service
- Science
- Technology
- Operations manager
- Project manager
- Risk analyst
- Safety analyst
- Transportation analyst
- Transportation policy maker
- Traffic Engineer
- Urban planner
- Operator (barge, train, plane, public transit, etc.)

Jobs in Transportation

Academic professor
Aerospace engineer
Airport designer
Air traffic controller
Civil engineer
Construction manager
Environmental impact analyst
Freight movements specialist
Infrastructure inspector
Intermodal transportation specialist
Licensed customs broker
Mechanical engineer
Operations manager
Public transportation manager

Opportunities in Transportation

- 1 in 8 US jobs is directly related to transportation (nationalatlas.gov).
- Roughly 50% of the transportation workforce will retire over the next 10 years (The National Academies Press – The Workforce Challenge).

For More Information

Go! Exploring the world of transportation — www.go-explore-trans.org
The Federal Highway Administration — www.fhwa.dot.gov
The Institute of Transportation Engineers — www.ite.org
Fast Forward: Enhancing Awareness of Transportation Careers — burl.co/20A7F01#.Ub83fbYT0t4.gmail