

Careers in Transportation

THE UNIVERSITY OF
MEMPHIS | Intermodal Freight
Transportation Institute

What is Transportation?

The safe, efficient, reliable, and sustainable movement of persons and goods over time and space.

Career Fields in Transportation

- Engineering
- Finance and Accounting
- Human Resources
- International Business
- Law
- Logistics
- Marketing
- Mathematics
- Planning
- Public Service
- Science
- Technology

Jobs in Transportation

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| Academic professor | Public transportation manager |
| Aerospace engineer | Project manager |
| Airport designer | Risk analyst |
| Air traffic controller | Safety analyst |
| Civil engineer | Transportation analyst |
| Construction manager | Transportation policy maker |
| Environmental impact analyst | Traffic Engineer |
| Freight movements specialist | Urban planner |
| Infrastructure inspector | Operator (barge, train, plane, public transit, etc.) |
| Intermodal transportation specialist | And many, many more— |
| Licensed customs broker | numerous options exist |
| Mechanical engineer | within the world of |
| Operations manager | transportation! |

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 nations 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!

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