

Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics career cluster focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, and mobile equipment and facility maintenance. This career cluster includes a diverse spectrum of occupations, ranging from automotive mechanic, avionics technician, automotive entrepreneur, pilots to logistics planning professionals.

Tivy Program of Study: Aviation Pilots

The Pilots and Aviation Operations program of study focuses on occupational and educational opportunities associated with the principles and science of flight. This program of study includes the exploration and understanding of aviation engineering, air navigational aids, air traffic controls, and communications equipment to ensure conformance with federal safety regulations.



Secondary Courses for High School Credit

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|----------------|---|
| Level 1 | <ul style="list-style-type: none"> Principles of Transportation Systems Introduction to Aerospace and Aviation |
| Level 2 | <ul style="list-style-type: none"> Introduction to Unmanned Aerial Vehicles (UAV) |
| Level 3 | <ul style="list-style-type: none"> Aviation Ground School |
| Level 4 | <ul style="list-style-type: none"> Practicum in Transportation Systems Career Preparation for Programs of Study Scientific Research and Design |

Dual Credit

Dual credit offerings will vary by local education agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Shadow a commercial airline pilot for to learn about pre- and post-flight routines
- Intern at a technology company that produces drones to learn about aerial robotics and drone pilot requirements

Expanded Learning Opportunities

- Explore virtual aviation websites

Aligned Industry-Based Certifications

- FAA Part 107 Remote Drone Pilot



Example Postsecondary Opportunities

Apprenticeships

- Air Transport Pilot Apprentice

Associate Degrees

- Airline/Commercial/Professional Pilot and Flight Crew

Bachelor's Degrees

- Airline/Commercial/Professional Pilot and Flight Crew

Additional Stackable IBCs/License

- Airman Certificate



Example Aligned Occupations

Commercial Pilots

Median Wage: \$108,120
Annual Openings: 663
10-Year Growth: 20%

Airline Pilots, Copilots, and Flight Engineers

Median Wage: \$180,060
Annual Openings: 1,204
10-Year Growth: 14%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>