

# 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, mobile equipment and facility maintenance.

## Drone (Unmanned Flight) Regional Program of Study



The Drone-Unmanned Flight regional program of study introduces CTE learners to the occupations and education opportunities related to operating or designing an unmanned aircraft using a ground-based controller and the systems of communications between the controller and the aircraft.

### Secondary Courses for High School Credit

#### Level 1

- Introduction to Aerospace and Aviation

#### Level 2

- Introduction to Unmanned Aerial Vehicles (UAV)
- Robotics I

#### Level 3

- Robotics II
- Digital Electronics
- Engineering Science

#### Level 4

- Practicum in Manufacturing
- Scientific Research and Design

### Work-Based Learning and Expanded Learning Opportunities

#### Exploration Activities

- Participate in SkillsUSA
- Explore virtual aviation websites

#### Work-Based Learning Activities

- Work part-time at an aviation services agency, drone company, or airline company

### Industry-Based Certifications

- FAA Part 107 Remote Drone Pilot
- Certified Aerospace Technician\*
- IS CET Certified Electronics Technicians\*

\*IBC sunseting 8/31/24

### Postsecondary Opportunities

#### Associates Degrees

- Airline Pilots, Copilots, and Flight Engineers



### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineering and Operations Technicians	\$60,757	114	9%
Avionics Technicians	\$59,114	170	9%
Airline Pilots, Copilots, and Flight Engineers	\$165,130	1,150	9%
Commercial Pilots	\$86,310	548	9%

Successful completion of the Drone (Unmanned Flight) regional program of study will fulfill requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised – August 2022

# Drone (Unmanned Flight) Course Information

## Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Introduction to Aerospace and Aviation	N1304672 (1 credit)	None	None

## Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITE
Introduction to Unmanned Aerial Vehicles (UAV)	N1304670 (1 credit)	None	None
Robotics I	13037000 (1 credit)	None	None

## Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Robotics II	13037050 (1 credit)	Robotics I	None
Digital Electronics	13037600 (1 credit)	Algebra I and Geometry	None
Engineering Science	13037500 (1 credit)	Algebra 1, Biology, Chemistry, Integrated Physics and Chemistry (IPC) or Physics	None

## Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Practicum in Manufacturing	13033000 (2 credits) 13033005 (3 credits) 13033010 (2 credits) 13033015 (3 credits)	None	None
Scientific Research and Design	13037200 (1 credit)	Biology, Chemistry, Integrated Physics and Chemistry (IPC) or Physics	None

FOR ADDITIONAL INFORMATION ON THE TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CAREER CLUSTER, PLEASE CONTACT: [CTE@tea.texas.gov](mailto:CTE@tea.texas.gov)  
<https://tea.texas.gov/cte>

[LEA name] does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: [title, address, telephone number, email.]

Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#).