



**Business & Industry & STEM Endorsement  
Transportation, Distribution & Logistics**

**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.

Levels	Courses	
<b>Level 1</b>	No courses offered at Level 1 in this program of study	
<b>Level 2</b>	<p><b>Robotics I</b> 1856CT / 9-12</p>	<p><b>Principles of Engineering (Engineering Science) (PLTW)</b> 1836CT / 10-12 <i>Prerequisite: Intro to Engineering AND Algebra I AND Biology AND Chemistry OR IPC</i> <b>Weighted Credit, Science Credit</b></p>
<b>Level 3</b>	<p><b>Robotics II</b> 1858CT / 10-12 <i>Prerequisite: Robotics I</i></p>	
<b>Level 4</b>	<p><b>Edu-Drone I</b> 1860CT / 11-12 <i>Prerequisite: Algebra I AND must have driver's license by the end of the semester</i> <b>+FAA Part 107 Remote Drone Pilot Certification Possible</b></p>	<p><b>Practicum in Manufacturing</b> 1822CA-CB / 12 <i>Prerequisite: Robotics II</i></p>

1 Semester Home Campus	2 Semester Home Campus	1 Semester Ben Barber	2 Semester Ben Barber	College Course Weighted Credit
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Occupation	Median Wage	Annual Openings	% Growth
Aerospace Engineering & 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%

**Industry Based Certifications**

**+FAA Part 107 Remote Drone Pilot - Edu-Drone I**

This certification exam assesses knowledge & skills related to: applicable regulations related to small unmanned aircraft system rating privileges, limitations & flight operations, airspace classifications, operating requirements, etc.

*The district will pay 100% of the cost of the certification test if students can show mastery by passing a certification practice test AND maintain an 80+ overall course grade at the time of the certification test. If students don't meet the requirements above, they must pay 100% of the cost of the certification test.*

**To earn a CTE endorsement, an MISD student must take 4 or more credits in the same endorsement area, with at least 2 of 4 credits within the same program of study and must include at least one Level 3 or Level 4 CTE course.**