

Courses and Codes

- *8886 Applied Science of Aircraft Maintenance
- *8887 Basic Electricity
- 8885 Aircraft Materials and Corrosion Control
- 8883 Aerospace Capstone

*Core Course

General Aviation Maintenance 480 hours	Applied Sciences of Aircraft Maintenance OCAS 8886 120 hours	Basic Electricity OCAS 8887 120 hours	Aircraft Materials and Corrosion Control OCAS 8885 120 hours	Aerospace Capstone OCAS 8883 120 hours
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Curriculum: <https://www.chooseaerospace.org/curriculum.html>

LMS: <https://learn.chooseaerospace.org/>



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Courses and Modules

8886 Applied Science of Aircraft Maintenance

- FAA-ACS-AM-IF-GOS – Safety, Ground Operations and Servicing
- FAA-ACS-AM-IK-HTM – Hand Tools and Measuring Devices
- FAA-ACS-AM-IE-MHP – Materials, Hardware, and Processes
- FAA-ACS-AM-IH-MAT – Mathematics
- FAA-ACS-AM-IJ-PFA -Physics for Aviation
- FAA-ACS-AM-IB-ACD – Aircraft Drawings

8887 Basic Electricity

- FAA-ACS-AM-IA-FEE Fundamentals of AC Electricity and Electronics
- FAA-ACS-AM-IA-FEE Fundamentals of DC Electricity and Electronics

8885 Aircraft Materials and Corrosion Control

- FAA-ACS-AM-II-MIR – Maintenance and Inspection Regulations
- FAA-ACS-AM-IC-WAB – Weight and Balance
- FAA-ACS-AM-ID-FLF – Fluid Lines and Fittings
- FAA-ACS-AM-IG-CCC – Cleaning and Corrosion Control



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Industry Connection

- > Tulsa Aerospace Council
 - Tulsa Chamber
 - Advisory Committee

Project Topic	FAA	Course	Project	Company
Basics of Flight	N/A	N/A	Lifecycle of an airplane	Spirit Aerosystems
			Flight basics	
Regulations and Ground Operations	FAA-ACS-AM-IF-GOS	Safety, Ground Operations and Servicing	Ground Operations and Servicing: Skill Stations	Tulsa Airport Authority
	FAA-ACS-AM-IK-HTM	Hand Tools and Measuring Devices	Tool Recognition	NORDAM
	FAA-ACS-AM-IC-WAB	Weight and Balance	Research Project	American Airlines
			Weigh a Plane	
	FAA-ACS-AM-IH-MAT	Mathematics	Skill Stations	
	FAA-ACS-AM-IJ-PFA	Physics for Aviation	Explore Mechanical Advantage in Levers	
			Explore Mechanical Advantage in Pulleys	
Calculate force, area, and pressure			Lufthansa Technik/Bizjet	
		Inclined plane		



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Express Employment Partnership

How Does the Partnership Work?

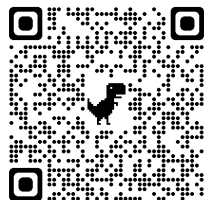
- Express Employment Professionals is the actual employer of the WBL student and covers the required workers' compensation insurance and liability.
- The onboarding and off-boarding processes are covered by Express.
- Both the school and Express have a vested interest in WBL student success.
- The combined resources of the school and Express provide a higher level of career development.



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Sequence of Course

- 8874 Aviation I (7th – 12th)
- *8875 Aviation II (8th – 12th)
- *8876 Aviation III – Pilot/UAS
- 8877 Aviation IV
- 8883 Aerospace Capstone or 8705 STEM Capstone

*Core Course



AOPA | YOU CAN FLY
HIGH SCHOOLS

Pilot 480 hours	Aviation I OCAS 8874 120 hours Launching into Aviation Exploring Aviation & Aerospace	Aviation II OCAS 8875 120 hours Introduction to Flight Aircraft Systems	Aviation III - Pilot OCAS 8876 120 hours The Flying Environment Flight Planning	STEM Capstone OCAS 8705 120 hours Preflight Your Career Pilot Capstone
Unmanned Aircraft Systems 480 hours	Aviation I OCAS 8874 120 hours Launching into Aviation Exploring Aviation & Aerospace	Aviation II OCAS 8875 120 hours Introduction to Flight Aircraft Systems	Aviation III – UAS OCAS 8876 120 hours The Flying Environment UAS Operations	STEM Capstone OCAS 8705 120 hours UAS Design & Application UAS Capstone



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