

# FLIGHT HUB – CS800

## AVIATION MAINTENANCE PROGRAM

Prerequisite: Acceptance into Aviation Maintenance Program at Columbus State Community College

Graded: Varies      Grade: 10-12      Time Frame: 3 Years      Credit: 12.0 HS Credits & 70 College Semester Credit Hours

The Aviation Maintenance Pathway is approved by the Federal Aviation Administration (FAA Certificate #DL9T090R) and meets the requirements of FAA Regulation Part 147. Students successfully completing the appropriate technical studies are qualified to take the exams for the FAA Airframe and Powerplant Certificate rating.

Students interested in the Aviation Maintenance Pathway should meet with their school counselor to set the three-year high school academic plan that will meet both high school graduation and Associates Degree requirements. Completion of this pathway will lead to the completion of the first 2 semesters of the Associates Degree in Aviation Maintenance Technology through *Columbus State Community College*.

**This program will be taught through CSCC at their Bolton Field Airport facility. Students will be responsible for their own transportation to Bolton Field.**

Aerospace and Aviation Academy														
Aviation Technology - Associate Degree Pathway														
Hard Outcome								Future Potential						
Completion of this pathway will lead to the completion of the first 2 semesters of the <a href="#">Associates Degree in Aviation Maintenance Technology</a> through <a href="#">Columbus State Community College</a> .								Transfer to a 4-year institution for additional training to lead to administrative and supervisory roles in the field of aviation technology.						
Period	Grade 9		Grade 10		Grade 11		Grade 12		Post Graduation					
	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Summer Semester	Autumn Semester	Spring Semester	Summer Semester		
Period 1	English I		English II		ENG 1100 <i>Coll Comp I</i>	ENG 2367 <i>Coll Comp II</i>	Columbus State Community College Bolton Field 8:00 am - 2:00 pm		Columbus State Community College Bolton Field 8:00 am - 2:00 pm		Columbus State Community College Bolton Field 8:00 am - 2:00 pm		Columbus State Community College Bolton Field 8:00 am - 2:00 pm	
Period 2	Algebra 1		Geometry		MATH 1115 <i>Math Eng Tech</i>	MATH 1148 <i>Coll Algebra</i>	Columbus State Community College Bolton Field 8:00 am - 2:00 pm		Columbus State Community College Bolton Field 8:00 am - 2:00 pm		Columbus State Community College Bolton Field 8:00 am - 2:00 pm		Columbus State Community College Bolton Field 8:00 am - 2:00 pm	
Period 3	Physical Science		COLS 1100 <i>1st Yr Exp</i>	BIO 1111 <i>Intro to Bio</i>	Chemistry		AMT 1101 <i>Intro to Aviation (2)</i>	AMT 1106 <i>Basic Electric for the AMT (6)</i>	AMT 2103 <i>Aircraft Inst &amp; Fire Protect (3)</i>	AMT 2106 <i>Comm &amp; Nav Systems (2)</i>	AMT 2201 <i>Turbine Engine Maint I (5)</i>	AMT 2204 <i>Recip Engine Maintenance II (5)</i>		
Period 4	Modern World History		ENG 1115 <i>Eng Graph (3)</i>	PSY 1100 <i>Intro to Beh</i>	HIST 1152 <i>Amer Hist (3)</i>	US Government EET 1115 <i>Basic Dig Sys</i>	AMT 1102 <i>Aircraft Weight &amp; Balance (2)</i>	AMT 2101 <i>Aircraft Metallic Structures (6)</i>	AMT 2104 <i>Aircraft Fuel Systems (2)</i>	AMT 2107 <i>Aircraft Env Controls (2)</i>	AMT 2202 <i>Turbine Engine Maint II (5)</i>	AMT 2205 <i>Propellers (2)</i>		
Period 5	Phys. Ed.	Phys. Ed.	Health	BMGT 1111 <i>Managemt</i>	Personal Finance ITST 1101 <i>Comp App Con</i>	EET 1115 <i>Basic Dig Sys</i>	AMT 1103 <i>Aircraft Materials (4)</i>	AMT 2102 <i>Aircraft Electrical Systems (6)</i>	AMT 2105 <i>Aircraft Non-Metallic Structures (5)</i>	AMT 2108 <i>Air Land Gear &amp; Fluid Power (4)</i>	AMT 2203 <i>Recip Engine Maintenance I (5)</i>	AMT 2206 <i>Powerplant Inspection (4)</i>		
Period 6					ITST 1123 <i>Comp App Con</i>	PC Tech Ess I	AMT 1104 <i>AMT Regulation &amp; Inspect (3)</i>			AMT 2109 <i>Airframe Inspection (6)</i>				
Period 7							AMT 1105 <i>Ground Oper &amp; Servicing (2)</i>							

# AIRFRAME CERTIFICATE

Prerequisite: Acceptance into Aviation Maintenance Program at Columbus State Community College

Graded: Varies                      Grade: 11-12                      Time Frame: 2 Years                      Credit: 3.0 HS Credits & 40 College Semester Credit Hours

The Airframe Certificate Pathway is approved by the Federal Aviation Administration (FAA Certificate #DL9T090R) and meets the requirements of FAA Regulation Part 147. Students successfully completing the appropriate technical studies are qualified to take the exams for the FAA Airframe Certificate rating.

Students interested in the Airframe Certificate Pathway should meet with their school counselor to set the two-year high school academic plan that will meet both high school graduation and Airframe Certificate requirements. Completion of this pathway will lead to the completion of the first 2 semesters of the Airframe Certificate in Aviation Maintenance Technology through *Columbus State Community College*.

**This program will be taught through CSCC at their Bolton Field Airport facility. Students will be responsible for their own transportation to Bolton Field.**

Aviation Technology - Airframe Certificate Pathway										
Hard Outcome								Future Potential		
Completion of this pathway will lead to the completion of the first 2 semesters of the <a href="#">Aviation Maintenance Technology Airframe Certificate</a> through <a href="#">Columbus State Community College</a> .								The Airframe Certificate could be completed during the subsequent Summer and Autumn semesters leading to jobs earning up to \$65,000 with this certification.		
Period	Grade 9		Grade 10		Grade 11		Grade 12		Post Graduation	
	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Summer Semester	Autumn Semester
Period 1	English I		English II		ENG 1100 Coll Comp I	ENG 2367 Coll Comp II	Columbus State Community College Bolton Field 8:00 am - 2:00 pm	Columbus State Community College Bolton Field 8:00 am - 2:00 pm	Columbus State Community College Bolton Field 8:00 am - 2:00 pm	Columbus State Community College Bolton Field 8:00 am - 2:00 pm
Period 2	Algebra 1		Geometry		Algebra 2					
Period 3	Physical Science		Biology		Chemistry		AMT 1101 Intro to Aviation (2)	AMT 1106 Basic Electric for the AMT (6)	AMT 2103 Aircraft Inst & Fire Protect (3)	AMT 2106 Comm & Nav Systems (2)
Period 4	Modern World History		US History		US Government	Global Politics	AMT 1102 Aircraft Weight & Balance (2)	AMT 2101 Aircraft Metallic Structures (6)	AMT 2104 Aircraft Fuel Systems (2)	AMT 2107 Aircraft Env Controls (2)
Period 5	Phys. Ed.	Phys. Ed.	Health	Fine Arts	Personal Finance	Fine Arts	AMT 1103 Aircraft Materials (4)	AMT 2102 Aircraft Electrical Systems (6)	AMT 2105 Aircraft Non-Metal Struct (5)	AMT 2108 Air Land Gear & Fluid Power (4)
Period 6	World Language I		World Language II		World Language III		AMT 1104 AMT Regulation & Inspect (3)			AMT 2109 Airframe Inspection (6)
Period 7						MATH 1115 Math Eng Tech	AMT 1105 Ground Oper & Servicing (2)			

# POWERPLANT CERTIFICATE

Prerequisite: Acceptance into Aviation Maintenance Program at Columbus State Community College

Graded: Varies                      Grade: 11-12                      Time Frame: 2 Years                      Credit: 4.0 HS Credits & 37 College Semester Credit Hours

The Powerplant Certificate Pathway is approved by the Federal Aviation Administration (FAA Certificate #DL9T090R) and meets the requirements of FAA Regulation Part 147. Students successfully completing the appropriate technical studies are qualified to take the exams for the FAA Powerplant Certificate rating.

Students interested in the Powerplant Certificate Pathway should meet with their school counselor to set the two-year high school academic plan that will meet both high school graduation and Powerplant Certificate requirements. Completion of this pathway will lead to the completion of the first 2 semesters of the Powerplant Certificate in Aviation Maintenance Technology through *Columbus State Community College*.

**This program will be taught through CSCC at the Bolton Field Airport facility. Students will be responsible for their own transportation to Bolton Field.**

Aviation Technology - Powerplant Certificate Pathway											
Hard Outcome								Future Potential			
Completion of this pathway will lead to the completion of the first 2 semesters of the <a href="#">Aviation Maintenance Technology Powerplant Certificate</a> through <a href="#">Columbus State Community College</a> .								The Powerplant Certificate could be completed during the subsequent Summer and Autumn semesters leading to jobs earning up to \$65,000 with this certification.			
Period	Grade 9		Grade 10		Grade 11		Grade 12		Post Graduation		
	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Autumn Semester	Spring Semester	Summer Semester	Autumn Semester	Spring Semester
Period 1	English I		English II		ENG 1100 Coll Comp I	ENG 2367 Coll Comp II	Columbus State Community College Bolton Field 8:00 am - 2:00 pm		Columbus State Community College Bolton Field 8:00 am - 2:00 pm		Columbus State Community College Bolton Field 8:00 am - 2:00 pm
Period 2	Algebra 1		Geometry		MATH 1115 Math Eng Tech	MATH 1148 Coll Algebra	AMT 1101 Intro to Aviation (2)		AMT 1106 Basic Electric for the AMT (6)		AMT 2103 Aircraft Inst & Fire Protect (3)
Period 3	Physical Science		Biology		Chemistry		AMT 1102 Aircraft Weight & Balance (2)		AMT 2102 Aircraft Electrical Systems (6)		AMT 2201 Turbine Engine Maint I (5)
Period 4	Modern World History		US History		US Government	Global Politics	AMT 1103 Aircraft Materials (4)				AMT 2202 Turbine Engine Maint II (5)
Period 5	Phys. Ed.	Phys. Ed.	Health	Fine Arts	Personal Finance	Fine Arts	AMT 1104 AMT Regulation & Inspect (3)				AMT 2203 Recip Engine Maintenance I (5)
Period 6	World Language I		World Language II		World Language III		AMT 1105 Ground Oper & Servicing (2)				AMT 2204 Recip Engine Maintenance II (5)
Period 7											AMT 2205 Propellers (2)
											AMT 2206 Powerplant Inspection (4)