


Career Cluster: Transportation, Distribution and Logistics

Secondary CTE Program: Industrial Education

Aircraft Airframe or Powerplant Mechanic

Career Cluster Pathway: (Program # 8715100 OR 8715200)

Eligible Recipient: All Students

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	ENGLISH 4 credits	MATH 4 credits	SCIENCE 3 credits, 2 with lab	SOCIAL STUDIES 3 credits	OTHER REQUIRED COURSES		CAREER AND TECHNICAL EDUCATION COURSES Major Area of Interest:	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
					FINE ARTS (1 cdt) PHYSICAL EDUCATION (1 cdt)			
Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.								
HIGH SCHOOL	9	English I	Algebra or Higher	Earth & Space Science or Biology	World History	Aerospace Technologies I (8600580)	Aerospace Technologies II (8600680)	Aerospace Technologies III (8601780)
	10	English II	Geometry or Higher	Biology or Chemistry	Physical Education (Florida Virtual School)	Aircraft Airframe Mechanics (1) (I470612) or Aircraft Powerplant Mechanics (1) (I470622)	Aircraft Airframe Mechanics (2) (I470612) or Aircraft Powerplant Mechanics (2) (I470622)	Aircraft Airframe Mechanics (3) (I470612) or Aircraft Powerplant Mechanics (3) (I470622)
	11	English III	Algebra II or Higher	Chemistry or Physics or Physical Science	American History	Aircraft Airframe Mechanics (4) (I470612) or Aircraft Powerplant Mechanics (4) (I470622)	Aircraft Airframe Mechanics (5) (I470612) or Aircraft Powerplant Mechanics (5) (I470622)	Aircraft Airframe Mechanics (6) (I470612) or Aircraft Powerplant Mechanics (6) (I470622)
	12	English IV	Pre-Calculus or Other Math Course	Fine Arts Elective (Florida Virtual School)	American Government/ Economics	Aircraft Airframe Mechanics (7) (I470612) or Aircraft Powerplant Mechanics (7) (I470622)	Aircraft Airframe Mechanics (8) (I470612) or Aircraft Powerplant Mechanics (8) (I470622)	Aircraft Airframe Mechanics (9) (I470612) or Aircraft Powerplant Mechanics (9) (I470622)
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								
Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.								
POSTSECONDARY	TECHNICAL CENTER PROGRAM(S)			COLLEGE PROGRAM(S)			UNIVERSITY PROGRAM(S)	
	George T. Baker Aviation Aircraft Airframe Technician (I470612) Aircraft Powerplant Technician (I470622) High School Program Aerospace Technology Electronics Avionics Aircraft Technician (A&P) Adult Ed Program Electronics Avionics Aircraft Technician (A&P)			Miami Dade College (MDC) Associate of Science Aviation Maintenance Management Aviation Administration Professional Pilot Technology MDC Certificate Programs Airport Management Airline/Aviation Management Passenger Service Agent Certified Flight Instructor Air Cargo Agent Broward College Associate of Science Aviation Maintenance Management Associate of Applied Science Aviation Maintenance Management			Embry-Riddle Aeronautical University Associate of Science/Bachelor of Science Aviation Maintenance Technical Management Professional Aeronautics Embry-Riddle College Credit Certificate Program Aviation Safety Airport Management Supply Chain Management Logistics and Distribution Florida Memorial University Bachelor of Science Aeronautical Science Airway Science Management FMU Certificate Program Aviation Safety	
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)							
	Aviation Airframe Technician Aviation Powerplant Technician Aircraft Inspector Sheet Metal Mechanic Aircraft Assembler Industrial Machinery Mechanic Mechanical Repairer Engine Assembler Machine Assembler			Aviation Project Planner Director of Maintenance Airport Manager Pilot Air Traffic Controller Quality Assurance Inspector Maintenance Supervisor FAA Safety Inspector			Aviation Project Planner Aviation Inspector Director of Maintenance Director of Quality Control Airport Manager	
CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES							
	Secondary to Technical Center (PSAV)			Secondary to College Credit Certificate or Degree			PSAV/PSV to AAS or AS to BS or BAS	
Occupational Completion Points OCP A - Aviation General Maintenance Technician Helper (AMT 0700) OCP B - Aviation Maintenance Technician with FAA Airframe Rating (AMT 0710) OCP B - Aviation Maintenance Technician with FAA Powerplant Rating (AMT 0711)			Dual Enrollment Recommendations ENC 1101 English Composition SPC 1017 Fundamentals of Speech Communication PHI 2604 Critical Thinking and Ethics CLP 1006 Psychology of Personal Effectiveness CGS 1060 Introduction to Microcomputer Usage MAC 1105 College Algebra MET 1010 Introduction to Weather Miami Dade College Students are eligible to receive 45 credits for their A&P certificate after successfully completing just 12 credits at MDC Industry Certification to AS/AAS Degree Florida Department of Education Articulation Agreement FAA Airframe Mechanic certification articulates to thirty six (36) college credit hours to the AAS/AS Degree in Aviation Maintenance Management. Articulated credit awarded under this agreement may only be applied to the above AAS/AS Degree.			NOT APPLICABLE		
*Possible Industry Certifications (Students):								
Secondary:		FAA Airframe Certificate, FAA Powerplant Certificate						
Postsecondary:		Private Pilot, Commercial Pilot, Single-Engine, Multi-Engine, Instrument Airplane, FAA Airframe Certificate, FAA Powerplant Certificate						