



PROGRAM OF STUDY PATHWAY TEMPLATES 2011–2012
 – AVIATION TECHNOLOGY – MAINTENANCE *

COLLEGE: **Sinclair Community College**

CAREER FIELD: **Transportation Services**

HIGH SCHOOL(S): **Miami Valley Career Technology Center**

PATHWAY: **Engineering: Aircraft Maintenance**



Ohio High Point Career Center

PROGRAM: **Aviation Technology - Maintenance**

Warren County Carrer Center

103-104 Credit Hours - Associate of Applied Arts

HIGH SCHOOL	Freshman	English I (1)	Integrated Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) P E (.5)	Career Exploration	Elective (1)
	Sophomore	English II (1)	Geometry or Algebra II (1)	Biology (1)	American History (1)	Introduction to Engineering Design (1)	P E (.5)	Elective (1)
	Junior	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Physics I (1)	American Govt (.5) Social Studies Elective (.5)	College Tech Prep Engineering Technology (1)	College Tech Prep Engineering Technology (1)	Tech: Word, PowerPoint, & Excel (.5) Art (.5)
	Senior	<u>English IV (1)</u>	<u>Integrated College Math or Calculus (1)</u>	Chemistry (1)	Elective (1)	College Tech Prep Engineering Technology (1)	College Tech Prep Engineering Technology (1)	Elective (1)

Take Accuplacer (reading, math, and writing). Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.

COLLEGE	1st Quarter	• ENG 111 (3) English Comp I	• MAT 116 or 131 (5) College Algebra or Tech Math I	AVT 115 (3) Ground Operations & Servicing	AVT 112 (2) Performance Calculations	■ ETD 198 (2) PC Apps Engineering	SCC 101 (2) Student Success Experience	
	2nd Quarter	• Arts & Humanities Elective (3)	• MAT 117 or 132 (5) Trigonometry or Tech Math II (5)	AVT 245 (3) Aviation Law	AVT 105 (3) Orientation to Aviation	AVT 117 (3) Fluid Lines & Fittings		
	3rd Quarter	• ENG112 (3) English Comp II	• PHY 141 or 131 (4) College Physics or Tech Physics I	AVT 229 (3) Aircraft Finishes	AVT 109 (4) Composites for Aircraft	AVT 119 (3) Aviation Meterology		
	4th Quarter	AVT 218 (4) Landing Gear	AVT 237 (2) Airframe Inspections	AVT 217 (3) Hydraulics & Pneumatics Systems	AVT 140 (3) Intro to Business Aviation	• Social Science Elective (3)		
	5th Quarter	AVT 206 (3) Aerodynamics	AVT 234 (3) Reciprocating Engines III	AVT 242 (3) Aircraft Accident Investigation	AVT 240 (3) Human Factors in Aviation	AVT 219 (4) Turbine Engines	• COM 206 (3) Interpersonal Communication	
	6th Quarter	AVT 247 (3) Flight Mechanics	AVT 129 (5) Propellers	AVT 138 (5) Engine Fuel & Fuel Metering	AVT 270 (3) Aviation Internship	AVT 125 (3) Developments in Aviation		



Sinclair converts to semesters in 2012-2013.
 Visit www.sinclair.edu/semesters for new course names and credit hours.

Credit-Based Transition Programs, such as dual enrollment, articulated courses 2+2 (+2)

◆ = high school to college • = community college to 4 year institution ■ = opportunity to test out

Required Courses (credit hours)

Recommended Elective Courses