

COLLEGE: Sinclair Community College-MVTP Consortium

CLUSTER: ScienceTech,Engineering&Mathematics



HIGH SCHOOL(S): Miami Valley Career Technical Center

PATHWAY: Engineering Technology

Ohio High Pt. Career Center

PROGRAM: Aviation Technology Maintenance Option



2009-2010

103-104 Credit Hours - SCC - Associate of Applied Arts

ADULT LEARNER ENTRY POINTS

GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	REQUIRED COURSES					
					RECOMMENDED ELECTIVE COURSES		OTHER ELECTIVE COURSES			
CAREER AND TECHNICAL EDUCATION COURSES										
SECONDARY	9	English I (1)	Integrated Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) P E (.5)	Career Exploration integrated with English 9	Elective (1)		
	10	English II (1)	Geometry or Algebra II (1)	Biology (1)	American History (1)	Introduction to Engineering Design (1)	Technology Word-PPt-Excel .5 Art .5	Elective (1)		
	11	English III (1)	Algebra II / Adv. Algebra II & Trigonometry (1)	Physics I (1)	Am.Govt(.5) Social Studies Elective (.5)	College Tech Prep Engineering Technology (1)	College Tech Prep Engineering Technology (1)	P E (.5)		
	In 11th grade, assess for college readiness by administering the "ACCUPLACER TEST" (Reading, Math and Writing)									
	12	English IV (1)	Integrated College Math or Calculus (1)	Chemistry (1)	Elective (1)	College Tech Prep Engineering Technology (1)	College Tech Prep Engineering Technology (1)	Elective (1)		
Mandatory College Placement Assessment (Reading, Math and Writing) and Sinclair Academic Advising # + Passage of the State O.G.T. Requirement										
POSTSECONDARY	1st Quarter	●English Comp I ENG111 (3)	●College Algebra MAT116 or Tech Math I 131 (5)	Ground Operations & Servicing AVT115 (3)	Performance Calculations AVT112 (2)	■Personal Comp. App in Engir. ETD198 (2)				
	2nd Quarter	●Arts&Humanities Elective (3)	●Trigonometry MAT117 or Tech Math II 132 (5)	Navigation Science I AVT111 (3)	Aviation Law AVT245 (3)	Orientation to Aviation AVT105 (3)	Fluid Lines & Fittings AVT117 (3)			
	3rd Quarter	●English Comp II ENG112 (3)	●College Physics PHY141 or Tech Physic PHY131(4)	Aircraft Finishes AVT229 (3)	Aircraft Avionics AVT238 (3)	Aviation Meterology AVT119 (3)				
	4th Quarter	Landing Gear AVT218 (4)	Airframe Inspections AVT237 (2)	Aerodynamics AVT206 (3)	Flight Controls AVT247 (3)	Hydraulics & Pneumatics Sys. AVT217 (3)				
	5th Quarter	●Social Science Elective (3)	Reciprocating Engines III AVT234 (3)	Aircraft Accident Investigation AVT242 (3)	Human Factors in Aviation AVT240 (3)	Turbine Engines AVT219 (4)	Developments in Aviation AVT125 (3)			
	6th Quarter	●Interpersonal Communication COM206 (3)	Propellers AVT129 (5)	Engine Fuel & Fuel Metering AVT138 (5)	Aviation Management AVT205 (3)	Aviation Internship AVT270 (3)				
<p># The Tech Prep Template is a MAP to Program Course Selection. Sinclair Academic Advisors will assist students with individual course selections. Templates are precise for the year stated.</p>				Required Courses						
				Recommended Elective Courses						
				Career and Technical Education Courses						
				Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses 2+2 (+2))						
				(⇨=High School to College) (⇩=Com. College to 4yr. Institution) (■=Opportunity to test out)						
Mandatory Assessments, Sinclair Academic Advising, and State of Ohio Requirements										