



Engineering & Industrial Technology Pathway Map

Automotive Technology CTE Program 47.0604

CIP 47.0604	Grade 9	Grade 10	Grade 11	Grade 12
	Exploratory Courses	Introductory Courses	Career & Technical Education Courses	
Technical Courses Grades 11-12 6.0 credits 720 hours	Automotive Technology Exploration (.25)	Introduction to Automotive Technology (.5)	Automotive Technology 1 (3)	Automotive Technology 2 (3)
Academic Courses				
English	English 9 or Honors 1	English 10 or Honors 2	English 11 or College Prep or Honors 3	Fantasy Fiction or ENG 111/Biography or AP English
Mathematics	Algebra 1 or Academic Algebra 1 or Geometry Honors	Algebra 2 or Academic Geometry or Honors Algebra 2	Trig/Pre-Calc Honors or Statistics or SAT Math	Unified Algebra & Trig or Financial Algebra for Business Application or Calculus
Science	Environmental Science 1 & Earth & Space or Biology 9	Biology or Chemistry	Physics	Chemistry or Environmental & Astronomy
Social Studies	US History	World History	American Government & Social Studies Elective (.5)	Social Studies Elective (1.0)
Required Courses	Comp. Applications (.5) Health 9 (.5) Physical Education (.5)	Physical Education (.5)	Personal Finance (.5) Physical Education (.5)	Physical Education (.5)
Elective Credits	+ 2.25 credits	+ 3 credits	+ 0.5 credits	+ 0.5 credits
Articulation Agreement Credit Opportunities			Advanced Placement Credits	Dual Enrollment Credits
Community College of Allegheny County (PA) (9.0) Delaware County Community College (PA) (10.0) Johnson College (11.0) Luzerne County Community College (9.0) Northampton County Area Community College (9.0) Pennsylvania College of Technology (13.0) University of Northwestern Ohio (12.0)			AP Calculus AP Chemistry AP European History AP English AP Environmental Science AP Statistics AP US History	MATH123 ENGL111 CHEM100
Scheduling Notes:  			Work-Based Learning Programs	
				Cooperative Education (4.0)
			CTE Experience/Internship (4.0)	CTE Experience/Internship (4.0)
			CTE Industry Credentials & Certifications	
			OSHA 10-Hour Automotive Safety	Snap-on 504 Multimeter
			AC Delco Electrical Stage 1 & 2	PennDOT Certified Safety Inspector, Cat I
			AC Delco Battery Starting & Charging Systems	PennDOT Certified Emissions Inspector
			Grade 11	Grade 12