



**School District**

**Automotive Technology Pre-Apprenticeship (4 credit)**

**HS & Web Address**

Minimum HS Graduation Requirements		PROGRAM OF STUDY MATRIX TEMPLATE: MIDDLE - HIGH SCHOOL – POSTSECONDARY						CTE Pathway Requirements	
	Grade	English	Math	Science	Social Studies	Additional Required Courses	Career & Technical Courses	Other Required or Elective Courses	
Student Success Plans outlining career goals should be utilized through the advisement process.									
Middle School	7	ELA 7	Math 7	Science 7	Social Studies 7			Electives	
	8	ELA 8	Math 8	Science 8	Social Studies 8			Electives	
Secondary	9	ELA 9	Algebra I	NGSS Aligned Physical/Integrated Science	Civics/Geography	World Language I	Foundations of Automotive Technology	<p>This matrix represents a <i>sample</i> program of study. The LEA's program of study <u>must</u> be reflective of <u>local</u>/state high school graduation requirements and college entrance requirements.</p> <p>This matrix should be reflective of the school's <u>course sequence</u> and requirements.</p>	
	10	ELA 10	Algebra II	NGSS Aligned Biology	Economics/Personal Finance	World Language II	Brakes, Suspension and Steering		
	11	ELA 11	Geometry	NGSS Aligned Chemistry	US History	Physical Education (≥1 Credit)	Transmission, Drive Train and Axles & Electrical Systems and HVAC-R		
	12	ELA 12	Pre-Calculus or Statistics	NGSS Aligned Earth/Physical Science		Health Education (≥ 0.5 Credit)	Work Based Learning		
Postsecondary	13	Students completing the Automotive Technology program of study will eligible to enroll in the Delaware Department of Labor Automotive Technician Tech C Apprenticeship Program offered through the adult education divisions of the New Castle County, Polytech, and Sussex Tech Technical systems.						<p>All programs of study should meet the students' career goals with regard to required degrees and/or certifications. Required courses will vary by PS institution.</p>	
	14	The Department of Education is currently negotiating articulation agreements with Delaware Technical Community College (DTCC) and University of Northwestern Ohio (UNOH).							
	15	Continue courses in the area of specialization.							
	16								



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Additional Learning Opportunities			
Early Career Opportunities:	Early College Opportunities:	Industry Recognized Certifications/Licenses:	Student Organization:
<input checked="" type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Other:	<input type="checkbox"/> Dual Enrollment <input type="checkbox"/> Advanced Placement <input checked="" type="checkbox"/> Articulated Credit DTCC: In Progress UNOH in Progress <input checked="" type="checkbox"/> Pre-Apprenticeship <u>Students completing the program of study will be eligible to enroll in the Delaware Department of Labor Automotive Technician Tech C registered apprenticeship program through the adult education divisions of the New Castle County, Polytech, and Sussex Technical systems.</u> <input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Certification/License ASE G-1 Maintenance and Light Repair <input checked="" type="checkbox"/> Certification/License ASE Entry-Level Certification	<input checked="" type="checkbox"/> <u>SkillsUSA</u>

Sample Careers By Educational Level			
Employment Opportunities (Upon Completion of HS Pathway)	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or Above
Electric Motor, Power Tool and Related Repairs; Electronic Equipment Installers and Repairers, Bus and Truck Mechanics and Diesel Engine Specialists; Motor Vehicles: Farm Equipment Mechanics and Service Technicians: Mobile Heavy Equipment Mechanics, Except Engines; Motorboat Mechanics and Service Technicians ;Industrial Machinery Mechanics; Automotive Service Writers; Automotive Parts and Supplies Technician; Automotive Sales; Transportation Vehicle, Equipment and Systems Inspectors	Automotive Technician Tech C Registered Apprenticeship Automotive Associates Degree (DTCC) ASE Master Technician Certification	Career/technical Education Teachers, Secondary School Service Writer Manager Parts and Supply Manager	Automotive Dealership Management CTE Teachers, Postsecondary

\*May require higher education depending on job responsibilities.

Feeder Middle School(s):

**Colleges/Universities and Articulated Credit Agreements:**

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LEA Additional Graduation Requirements:



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