

## Transportation, Distribution, and Logistics - Automotive Technology - Perkins V Statewide Program of Study

This Career Cluster Plan of Study (based on the Transportation, Distribution, and Logistics Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. \*This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

MIDDLE SCHOOL CTE					Expanding Student		
Opportunity & Awareness through Career & Technical Education at the Middle School Level							
<b>MIDDLE SCHOOL</b>	<b>Experience</b>	These standards may be taught simultaneously	<b>Safety</b> Obtain the safety training needed to be able to safely accomplish the standards and objectives  <b>Career Experience</b> Participate in applied learning and hands-on activities where students can explore career-related skills & interests  <b>Career Workplace Skill</b> exposure to common workplace interpersonal skills (soft skills)	<b>Discovery</b>	These standards may be taught simultaneously	<b>Career Awareness</b> Explore the wide variety of career opportunities and skills they require	
		<b>Career Pathway</b> Understand how school, school programs and education plans lead to specific careers					
		<b>Sample Occupations</b>					
	<b>High School Core Academic State Graduation Requirements</b> <small>Students may demonstrate achievement of the standards through multiple pathways</small>	<b>State Education Requirements</b>	<b>Local Graduation Requirements</b>	<b>Secondary Career and Technical Education - Culinary Arts</b>	<b>Secondary CTE Completion</b>		
<b>SECONDARY</b>	<b>English - 4 years</b> or the equivalent in standards achievement		<b>Maine Guiding Principles</b> A Clear & Effective Communicator A Self-Directed & Lifelong Learner A Creative & Practical Problem Solver A Responsible & Involved Citizens An Integrated & Informed Thinker		All Programs of Study must also meet local high school graduation requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	<b>Automotive Technology 2 year program</b> The Automotive Technology programs prepare students for careers in the automotive fields.  <b>Industry Recognized Credentials:</b> ASE - Maintenance and Light Repair  <b>Standards:</b> National Automobile Technicians Education Foundation (Maine License Inspection Technician is recommended)	Automotive Mechanic Equipment Installation Automotive Technician Inspection Technician
	<b>Social studies and history, including American history, government, civics and personal finance - 2 years or the equivalent in standards achievement</b>		<b>Maine Learning Results</b>				
	<b>Mathematics - 2 years</b> or the equivalent in standards achievement		Career & Ed. Dev. English Language Arts Health & Physical Ed. Mathematics Science & Technology Social Studies Visual & Performing Arts World Languages				
	<b>Science, including at least one year of laboratory study - 2 years or the equivalent in standards achievement</b>						
	<b>Fine arts - art, music, forensics or drama - 1 year or the equivalent in standards achievement</b>						
	<b>Instruction in health, safety, physical education, physiology and hygiene</b>						
Articulation/Dual/Concurrent Credit -Postsecondary courses may be completed at the secondary level for articulation/dual credit purposes.							
	<b>Higher Education Institution</b>	<b>Articulated Credit (3 credits unless noted)</b>	<b>College Enrollment Requirements</b>	<b>Postsecondary-sample training objectives</b>	<b>Postsecondary Training or Degree Completion</b>		
<b>POSTSECONDARY</b>	Years 13 and 14	Central Maine Community College	AUT100- Intro to Automotive Technology (1 cr) AUT150 - Electrical System I	Secondary articulated credits do not guarantee college acceptance. Students must meet all local college enrollment requirements in order to be accepted into a postsecondary program.	A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.	Automotive Technician Service Technician Alignment Technician General Service Technician Automotive Mechanic ASE Master Mechanic ASE Master Technician	
		Eastern Maine Community College	ATA110 - Automotive Basic Electrical Systems				
		Northern Maine Community College	AUT109 - Intro to Automotive (1cr) AUT115 Automotive Electricity				
		Southern Maine Community College	AUTO101 - Intro to Automotive (1cr) AUTO155 - Electricity and Electronics I (4cr)				
		Washington County Technical College	MET114 - Vehicular Electrical Systems I (1cr) MET103 - Principles of Vehicular Electronics (2cr)				
	Other	Automotive Engineering					
DocuSigned by:							
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State Director for CTE, Maine Department of Education		Date	Vice President/Chief Academic Officer, Maine Community College System	Date			