



Pathway: Facility & Mobile Equipment Maintenance

Transportation, Distribution & Logistics Career Cluster

Plan of Study: Automotive Service

Career Goal (O*Net Code): Repairer/Mechanic (Automotive Service, Automotive Body, Rail Car, Ship/Motorboat, Aircraft/Airframe, Electronics) (49-3023), Automotive Specialty Technician (Bus, Truck, Diesel, Bicycle, Glass, Tire) (49-3023), Facility Maintenance Manager (49-1011).

Suggested High School Courses

High School	9 th	Core Academic Courses*:	Intro to Lit and Comp 1&2, Algebra 1 or equivalent, Geography, Earth Science, P.E., or equivalent, World Language	Suggested Electives: Welding Technologies
		Career Path Courses:	Auto Technology I	
10 th	Core Academic Courses*:	American Lit 1 & 2, Geometry, Biology, US History, World Language, Academic Elective, Arts Elective	Suggested Electives: Collision Repair Technology	
	Career Path Courses:	Auto Technology II		
11 th	Core Academic Courses*:	World Lit or Writing Elective, Algebra 2, Chemistry or Physics, Civics 1 sem., Social Studies Elective 1 sem	Suggested Electives: Business Mgt. & Computer Applications	
	Career Path Courses:	Auto Technology III		
12 th	Core Academic Courses*:	Language Arts Elective upper writing, Trigonometry or other math, Academic Elective	Suggested Electives: Career Connection Experience	
	Career Path Courses:	Auto Technology IV		

* Default includes CDHE Higher Education Admission Requirements

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: Articulation: Emily Griffith Opportunity School, Arapahoe Community College, Northeastern Junior College, San Juan Mountain College, Universal Technical Institute, Wyoming Technical
	Industry Recognized Certificate(s) or License(s): Voluntary certification is available through National Institute for Automotive Service Excellence (ASE)

		Colorado Postsecondary Programs Available	Colorado Institutions	Entrance Exams/ Requirements
Postsecondary Education Opportunities	Certificate	Automotive Service and Technology	Emily Griffith Opportunity School, Arapahoe Community College, Northeastern Junior College, San Juan Mountain College, Universal Technical Institute, Wyoming Technical	High school diploma/GED completion
	Associate Degree	Automotive Service and Technology	Aims CC, Arapahoe CC, Front Range CC, Morgan CC, Northeastern Junior College, Pikes Peak CC, Pueblo CC, Red Rocks CC, Trinidad State Jr.College, Mesa State College, CC of Aurora	High School Diploma/GED
	Bachelor Degree	Automotive Industry	For more information about colleges that have these programs go to www.CollegeinColorado.org	See each school's Admissions web site
	Graduate Degree	Aerospace Engineering, Mechanical Engineering, Mechanical and Aerospace Engineering	For more information about colleges that have these programs go to www.CollegeinColorado.org	See each school's Admissions web site

Cluster Overview: The **Transportation, Distribution and Logistics Career Cluster** prepares students in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Extended Learning Experiences

<p>Curricular Experiences:</p> <p>Automotive Technical Club</p>	<p>Extracurricular Experiences:</p> <p>High School Drag Races Club Sponsored Car Show</p>
<p>Work-Based Learning Experiences:</p> <p>Career Preparation – Paid and Unpaid, Job Shadowing, Internships</p>	<p>Program Accreditation and/or Professional Association(s):</p> <p>National Institute for Automotive Service Excellence</p>
<p>Service Learning Experiences:</p>	

Career Options:		Salary Range:
Certificate	Repairer/Mechanic (Automotive Service, Automotive Body, Rail Car, Ship/Motorboat, Aircraft/Airframe, Electronics)	\$-\$\$
Associate Degree	Repairer/Mechanic (Automotive Service, Automotive Body, Rail Car, Ship/Motorboat, Aircraft/Airframe, Electronics), Automotive Specialty Technician (Bus, Truck, Diesel, Bicycle, Glass, Tire), Industrial Electrician, Master Mechanic, Mechanical Repair Supervisor	\$\$-\$\$\$
Bachelor Degree	Facility Maintenance Manager Industrial Engineer	\$\$\$
Graduate Degree	Automotive Engineer Mechanical Engineer	\$\$\$-\$\$\$\$

* \$ = \$15-25,000; \$\$ = \$25-55,000; \$\$\$ = \$55-90,000; \$\$\$\$ = Above \$90,000

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