



## Pathway: Facility & Mobile Equipment Maintenance

### Plan of Study: Automotive Service

**Career Goal (O\*Net Code):** Examples: 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 <sup>th</sup>	Core Academic Courses*:	English I, Algebra I, Earth or Environmental Science, State History/Civics	Suggested Electives: Computer Applications
		Career Path Courses:	Information Technology Applications	
10 <sup>th</sup>	Core Academic Courses*:	English II, Geometry, Biology, US History, Foreign Language I	Suggested Electives: Technical Writing	
	Career Path Courses:	Health, Safety and Security in the Transportation Industry		
11 <sup>th</sup>	Core Academic Courses*:	English III, Algebra II/ or other, Chemistry	Suggested Electives: Electronics	
	Career Path Courses:	Technological Systems, Transportation, Distribution and Logistics Systems		
12 <sup>th</sup>	Core Academic Courses*:	English IV, Trigonometry or other Math, Botany or other lab based science	Suggested Electives: Physics	
	Career Path Courses:	Ethics and Legal Issues		

#### Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	<b>Postsecondary Credit Options:</b> Insert Options Here: ACP, Dual Credit, PSEO, Articulated Credit
	<b>Industry Recognized Certificate(s) or License(s):</b> Voluntary certification is available through National Institute for Automotive Service Excellence (ASE)

		Postsecondary Programs Available in Colorado	Colorado Institutions	Entrance Exams/ Requirements
Postsecondary Education Opportunities	Certificate	Automotive Service and Technology EPIC Diesel and Heavy Equipment Mechanic	Trinidad State Junior College	High School diploma/GED
	Associate Degree	Automotive Service and Technology EPIC Diesel and Heavy Equipment Mechanic	Trinidad State Junior College	High School diploma/GED
	Bachelor Degree	Aviation Management, Aviation Technology, Mechanical Engineering Technology, Electrical engineering Technology, Aerospace Engineering, Mechanical Engineering, Electrical Engineering, Engineering Physics, Automotive Industry, Industrial Engineering, Engineering/Mechatronics	For more information about colleges that have these programs go to <a href="http://www.CollegeinColorado.org">www.CollegeinColorado.org</a>	See each school's Admissions website.
	Graduate Degree	Aerospace Engineering, MS & PhD, Mechanical Engineering, MS & PhD, Electrical Engineering, MS & PhD, Engineering Management, MS & PhD, Mechanical & Aerospace Engineering, PhD, Engineering Systems, MS	For more information about colleges that have these programs go to <a href="http://www.CollegeinColorado.org">www.CollegeinColorado.org</a>	See each school's Admissions website.

**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><b>Curricular Experiences:</b></p> <p>Examples: SkillsUSA</p>	<p><b>Extracurricular Experiences:</b></p> <p>Examples: Manufacturer Specific Programs Ford AAA</p>
<p><b>Work-Based Learning Experiences:</b></p> <p>Career Preparation – Paid and Unpaid, Job Shadowing, Internships</p>	<p><b>Program Accreditation and/or Professional Association(s):</b></p> <p>Examples: Alliance of Automobile Manufacturers, Automotive Service Excellence, Automotive Parts &amp; Accessories Association, Engine Manufacturers Association, Industrial Truck Association Motor &amp; Equipment Manufacturers Association National Automotive Technicians Education Foundation, Society of Automotive Engineers</p>
<p><b>Service Learning Experiences:</b></p> <p>Examples: Habitat for Humanity, Volunteer Centers, Community Organizations, Tutoring/Mentoring</p>	

<b>Career Options:</b>		<b>Salary Range:</b>
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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