

School: **Monte Vista High School**

Academy/Pathway: **Transportation / Systems Diagnostics, Service & Repair**



Grossmont Union High School District

L e v e l	G r a d e	English Language Arts	Math	Social Studies	Science	Career Technical Education	Other Required Courses or Recommended Electives	Additional Pathway Information
S e c o n d a r y	9	English 1, 2	Integrated Math I	Geography	Biology	Auto Gen. Maintenance 1, 2 T104 / T105, AR* UC-G	P.E. Y1 WorldLanguage 1, 2 Visual and Performing Arts Y1	Occupations Requiring Less Than a Baccalaureate Degree <ul style="list-style-type: none"> • Auto Electrician • Automotive Air Conditioning Technician • Brake and Front-End Technician • Computerized Engine Control Specialist • Engine Machinist • General Repair Technician • High Performance and Racing Specialist • Licensed Smog Technician • Manufacturer Service Engineer • Transmission Technician • Tune-up Technician Recognized Certifications, Licenses, or Credentials Related to This Pathway <ul style="list-style-type: none"> • CTE competencies per year(x4) • ProCut Brake Lathe Certification • Ford Factory Training Certification (65 available certs) • Subaru Factory Training Certification (43 available certs) • OSHA Certifications • Careersafe Certification • Fire Extinguisher Training Certification • ASE Student Certification(x8) • Mitchell ProDemand Certification • NC3 Multimeter Certification
	10	English 3, 4	Integrated Math II	World History	Science Y2	Auto Service & Light Repair 1, 2 T106 / T107, AR** UC-G	P.E. Y2 WorldLanguage 1, 2 World Language 3, 4 Visual and Performing Arts Y1	
	11	English 5, 6	Integrated Math III	U.S. History	Science Elective	Auto Engine Perf. / Emission Control 1, 2 T099 / T100 UC-G	P.E. Y2 WorldLanguage 1, 2 World Language 3, 4 Visual and Performing Arts Y1	
	12	English 7, 8	Math Elective	Am. Gov. / Econ.		Auto Electrical Systems 1, 2 T102 / T103 UC-G	P.E. Y2 World Language 3, 4 World Language 5, 6 Visual and Performing Arts Y1	
Key		Minimum UC a-g Entrance Requirement	Required by GUHSD for Graduation	Recommended for College Admissions	CTE Concentrator Course	CTE Capstone Course	CTE Meets UC a-g Entrance Requirements Articulated Course	

The course sequence listed below is for illustration only. A student's actual course sequence may vary.

Cuyamaca Community College Program Offerings:

- Associates in Science (Gen. Ed. required) in one of the following:

P o s t - S e c o n d a r y	13	AUTO 99* <i>Introduction to Automotive Technology (Lecture)</i> OR AUTO 100** <i>Introduction to Automotive Technology (Lab)</i>	AUTO 120 <i>Engine Performance I - Mechanical and Ignition Systems</i>	AUTO 122 <i>Automotive Electrical Systems</i>	AUTO 123 <i>Engine Performance II - Fuel & Emission Systems</i>	AUTO 127 <i>Advanced Automotive Electrical Systems</i>	AUTO 130 <i>Automotive Brakes and Brake License</i>	<ul style="list-style-type: none"> ○ Automotive Technology (See Left) ○ ASCCA Degree ○ ASEP ○ Ford ASSET ○ Advanced Engine Performance & Emissions ○ Brakes & Front End ○ Engine Performance & Drive Train ● Certificate of Achievement (Core courses only, no Gen. Ed.)
	14	AUTO 180 <i>Automotive Service Advisor</i>	AUTO 182 <i>Automotive Work Experience</i>	Select two of the following: AUTO 124 <i>Engine Performance III - Drivability</i> AUTO 129 <i>Introduction to Hybrid, Electric and Alternative Fueled Vehicles</i> AUTO 140 <i>Four-Wheel Alignment</i> AUTO 152 <i>DriveTrain Systems</i> AUTO 160 <i>Air Conditioning and Heating</i>		Select one of the following: AUTO 135 <i>Advanced Brakes</i> AUTO 141 <i>Emission Control License Fundamentals Level I Inspector Training</i> AUTO 142 <i>Emission License Procedures Level II Inspector Training</i> AUTO 145 <i>Advanced Four-Wheel Alignment</i> AUTO 155 <i>Advanced Drivetrain Systems</i> AUTO 165 <i>Advanced Air Conditioning and Heating Systems</i> AUTO 170 <i>Engine Overhaul</i> AUTO 175 <i>Advanced Engine Overhaul</i>		WBL Plan 24-25: <ul style="list-style-type: none"> ● Guest speakers: National Guard, UTI, Cuyamaca Auto ● PBL: General Repairs and Service on vehicles brought into MVHS Auto. ● Field Trips: NHRA, Museums, ● Industry Tours: UTI, MTS, Crower Cams ● Reverse Internships ● Job Shadow: Local shop ● Competitions: SkillsUSA ● Certifications: Ford, Subaru, OSHA LMI Highlights for Pathway 24-25: <ul style="list-style-type: none"> ● Growth %: 9% ● Average Earnings: \$29.44 per hour ● # of job openings: 5,478