School: Santana High School

Academy/Pathway: Transportation / Structural Repair



#### **Grossmont Union High School District**

_ e > e _	G r a d e	English Language Arts	Math	Social Studies	Science	Career Technical Education	Other Required Courses or Recommended Electives		
	9	English 1, 2	Integrated Math I	Geography	Science Y1		P.E. Y1 WorldLanguage 1, 2 Visual and Performing Arts Y1	В	
S e c	10	English 3, 4	Integrated Math II	World History	Science Y2	Auto Body Repair & Refinishing 1, 2 T029 / T031	P.E. Y2 WorldLanguage 1, 2 World Language 3, 4 Visual and Performing Arts Y1		
o n d a	11	English 5, 6	Integrated Math III	U.S. History	Science Elective	Auto Body Repair & Refinishing 1, 2 T029 / T031 Auto Body Repair	P.E. Y2 WorldLanguage 1, 2 World Language 3, 4 Visual and Performing Arts Y1	R	
r y						<b>&amp; Refinishing 3, 4</b> T032 / T033			
	12	English 7, 8	Math Elective	Am. Gov. / Econ.		Auto Body Repair & Refinishing 3, 4 T032 / T033	P.E. Y2 World Language 3, 4 World Language 5, 6 Visual and Performing Arts Y1	c	
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.

# Additional Pathway Information

## Occupations Requiring Less Than a Baccalaureate Degree

- Automotive Collision Repair Technician
- Automotive Refinish Technician
- Industrial Paint Technician
- Hot Rod/Custom Car Builder
- Sheet Metal Fabricator
- Custom Painter

### Recognized Certifications, Licenses, or Credentials Related to This Pathway

- OSHA Recognized Safety Training by S/P2
- I-CAR Platinum Refinish Certificate
- I-CAR Platinum Non-Structural Repair Certificate
- OSHA-10

#### **Community College Program Offerings:**

- Associates of Science (includes Gen. Ed.) in one of the following:
  - Automotive Technology (See Left)
  - ASCCA Degree
  - o ASEP
  - o Ford ASSET
  - Advanced Engine Performance & Emissions
  - o Brakes & Front End
  - o Engine Performance & Drive Train
- Certificate of Achievement (Core courses only, no Gen. Ed.) in the above.

P o s t - S e	13	AUTO 99 Introduction to Automotive Technology (Lecture) OR AUTO 100 Introduction to Automotive Technology (Lab)	AUTO 120 Engine Performance I - Mechanical and Ignition Systems	AUTO 122 Automotive Electrical Systems	AUTO 123 Engine Performance II - Fuel & Emission Systems	AUTO 127 Advanced Automotive Electrical Systems	AUTO 130 Automotive Brakes and Brake License	<ul> <li>WBL Plan 22-23:</li> <li>Industry field trips to collision equipment manufacturer ProSpot, San Diego Automotive Museum, a collision repair center</li> <li>Guest Speakers from Universal Technical Institute, collision shop owners, and mobile repair technicians</li> <li>PBL Projects</li> </ul> LMI Highlights for Pathway 22-23:
c o n d a r y	14	AUTO 180 Automotive Service Advisor	AUTO 182 Automotive Work Experience	Select two of the following: AUTO 124 Engine Performance III - Drivability AUTO 129 Introduction to Hybrid, Electric and Alternative Fueled Vehicles AUTO 140 Four-Wheel Alignment AUTO 152 DriveTrain Systems AUTO 160 Air Conditioning and Heating		Select one of the following: AUTO 135 Advanced Brakes AUTO 141 Emission Control License Fundamentals Level I Inspector Training AUTO 142 Emission License Procedures Level II Inspector Training AUTO 145 Advanced Four-Wheel Alignment AUTO 155 Advanced Drivetrain Systems AUTO 165 Advanced Air Conditioning and Heating Systems AUTO 170 Engine Overhaul AUTO 175 Advanced Engine Overhaul		<ul> <li>San Diego County collision repair centers are in desperate need of new employees for all positions</li> <li>The collision repair industry in our region is projected to have 112 job openings each year until 2024.</li> <li>Pay ranges \$30,000-\$200,000 per year based on skill level</li> </ul>