

**Mission Valley Regional Occupational Program
AUTO BODY PAINT AND REFINISHING 1
COURSE OUTLINE**

1. Course Title:

Auto Body Paint and Refinishing 1

2. CTE Career Sector and Pathway:

Transportation Sector, 221 Systems Diagnostics, Service, and Repair

3. CALPADS Number:

8522

4. Job Titles/DOT Codes:

Automobile-Body Repair	807.381-010
Auto Body Repair	845.381-014

COURSE DESCRIPTION:

Students will be provided the opportunity to develop the skills required to be successful in the auto-body repair, painting and refinishing industry. They will develop the ability to identify and perform with materials, tools, and equipment at a high level of efficiency and safety; and to work harmoniously with others. Students will develop skills in welding, light auto-body repair work, prepping, painting, and finishing.

HOURS: 360

PREREQUISITES: Grade 11+

COURSE OUTLINE:

HOURS:

I. Career Preparation Standards

(Necessary skills for any occupation – [MVROP SLO #1](#))

WORKPLACE BASIC SKILLS AND BEHAVIORS

(Hours integrated throughout)

- a. Apply skills learned in class
- b. Analyze information and make decisions
- c. Communicate verbally and in writing
- d. Work independently and as a team member in a diverse workplace
- e. Work reliably, responsibly, and ethically

II. Career Technical Skills

(Occupational competencies – [MVROP SLO #2](#))

a. Introduction to the Shop and Safety (120 hours)

- i. Practice safety and follow shop rules
- ii. Dress appropriately
- iii. Use terminology used in auto trade
- iv. Follow V.O.C. rules and procedures
- v. Select appropriate tools
- vi. Pass safety test

b. Body Shop Tools (20 hours)

- i. Understand basic hand tools
- ii. Demonstrate air and specialty tools description and use
- iii. Perform care of tools
- iv. Pass safety test

c. Care for Compressor (5 hours)

- i. Demonstrate how to turn on compressor
- ii. Understand the purpose of the removal of water & oil
- iii. Explain the shut-down procedure
- iv. Explain overheating procedure
- v. Pass safety test

d. Operation of Spray Booth (5 hours)

- i. Demonstrate how to turn on spray booth
- ii. Explain the use of the heat lamp
- iii. Demonstrate changing of filters-intake/exhaust
- iv. Demonstrate wetting-down floor (not filters)
- v. Explain how to blow-off vehicle/yourself before entering booth
- vi. Pass safety test

e. Filing With Body Filler (210 hours)

- i. Explain areas of use
- ii. Demonstrate preparing the surface for filler
- iii. Demonstrate mixing properly
- iv. Demonstrate application
- v. Demonstrate sanding & shaping
- vi. Demonstrate block sanding
- vii. Explain prep for primer
- viii. Pass safety test

III. **Career Path Strategies**

(Strategic planning for a career – [MVROP SLO #3](#))

JOB EMPLOYMENT SKILLS

(Hours Integrated throughout)

- a. Develop a plan to achieve career goals
- b. Use effective job search strategies
- c. Demonstrate an awareness of the importance of lifelong learning

TOTAL COURSE APPROVED HOURS = 360

ADDITIONAL ITEMS:

- a. **Articulation:** This course is not articulated with a college.
- b. **UC/CSU A-G Eligibility:** This course does not meet the UC/CSU A-G requirements.
- c. **Instructional Strategies:**
 - Lecture
 - Group Discussion
 - Projects
 - Hands-on Practice
 - Demonstration
 - Team Learning
 - Simulation
- d. **Instructional Materials:**
 - Auto Collision Repair and Refinishing, 3rd Edition by Michael Crandell, Goodheart-Willcox, Publishing 2022