

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

COURSE TITLE:

Auto Body Paint and Refinishing 1

CBEDS NUMBER:

5654

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, so that they can enter the workforce and become productive and constructive citizens.

HOURS:

Class	360
CC	0
CVE	0
TOTAL	360

Abbreviations:

CC = Community Classroom (unpaid, on-the-job, training experience at business sites)

CVE = Cooperative Vocational Education (paid, on-the-job, training experience at business site)

PREREQUISITES:

Grade 11+

DATE OF REVISION:

November 9, 2017

DATE OF RE-APPROVED:

October 29, 2020

COURSE OUTLINE:

HOURS:

I. Career Preparation Standards

(Necessary skills for any occupation – MVROP ESLR #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 ESLR #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 over-heating 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 ESLR #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:**
 - Introduction to Auto Body
 - Auto Body Repair
 - Auto Body Refinishing