

# Academy for Career & Technology

## Auto Collision Repair I

No Prerequisite

Instructor: Eric Lee (ASE-Certified Master Collision Repair Technician/Estimator)

Email: [ELee@marion.k12.sc.us](mailto:ELee@marion.k12.sc.us)

Phone: (843)423-1941

1st Block: 8:20am–11am

Conference Availability: 3pm(Mon- Thurs) **Must Be Scheduled**

### Course Description:

Based on South Carolina Career and Technology Standards and ASE Guidelines, **Auto Collision Repair I** prepares students to repair automobiles and light commercial vehicles under the supervision of an ASE Master Collision Repair Technician/Estimator. Automotive Collision Repair Technology students receive instruction in frame alignment, surface finishing, and shop management. Upon successful completion of the program, the student will be prepared for postsecondary education and entry-level automotive collision repair-related careers. First semester students will spend approximately 60% of instructional time in “Hands-On” practice. Students will perform repairs on panels, simulators, & automobiles based on previous classroom theory with instructor present.

### Course Objectives:

Given the necessary equipment, materials, and instruction, students upon completion of the prescribed course of study, will successfully accomplish the S.C. Department of Education’s CATE core competencies. Students must complete a minimum four-unit sequence of CATE courses in order to be completers of the Automotive Collision Repair Technology program.

### Text:

ICAR PDP Series

ASE Collision Repair Study Guide(Delmar Cengage Learning)

Collision Repair & Refinishing(Alfred Thomas)

### Grading scale:

Scale: A = 90-100      B = 80-89      C = 70-79      D = 60-69      F = 0-59

A.C.R. I = 2units

### **Nine Week Grading**

Major Assessments	40%
Formative Assessments	30%
Homework/Classwork	20%
Journals	10%

### **Final Semester Grading**

(2)Nine Weeks Grades	80%
Final Exam	20%

**\* All makeup work must be arranged by student within 5 school days per district policy \***

Course Outline:

### **1<sup>st</sup> Nine weeks                      Safety/ Collision Repair Intro**

#### **Online Course Work :**

##### **SP2**

Collision Repair Safety

Collision Repair Pollution Prevention

##### **ICAR**

IRP00e Intro to Collision Repair Process Overview

IPS00e Intro to Personal Safety

ICM00e Intro to Vehicle Construction Materials

#### **Key Instruction Points**

Safety

Proper tool selection/ Useage

Metal fabrication/straitening

Welding

### **2<sup>nd</sup> Nine Weeks                      Nonstructural Repairs**

#### **Online Course Work :**

##### **ICAR**

IVT01e Intro to Vehicle Parts Terminology - Part 1

IVT02e Intro to Vehicle Parts Terminology - Part 2

ISS00e Intro to Safety Systems

ITM01e Intro to Tools, Equipment, and Attachment Methods - Part 1

ITM02e Intro to Tools, Equipment, and Attachment Methods - Part 2

IRT00e Intro to Industry Repair Terms

IMT01e Intro to Mechanical Systems Terminology - Part 1

IMT02e Intro to Mechanical Systems Terminology - Part 2

#### **Key Instruction Points**

Bodyfilling techniques

Proper sandpaper selection/Use

Priming/Blocking

\* Periodically throughout the semester, students will have the opportunity to work on live repairs as it fits course work.

\* All instruction is subject to change

**Course Projects:** Students will work on multiple projects throughout the program. These projects are designed to cover SC Cate standards and reinforce techniques previously learned.

**Shop Dress Code:**

Students are required to have a change of work clothes in their locker each day. Students are required to wear long pants secured at the waist(belted if necessary) and closed toe shoes while performing "hands on" activities. Jewelry violating safety issues must be removed and stored in student lockers. Students not meeting dress code will be excluded from these "hands on" activities and will be given a daily grade of 0.

**Personal Protective Equipment:**

All students are required to purchase a PPE Kit before they can enter shop for "hands on" activities. This kit includes a 3m Charcoal paint spray respirator, a pair of OSHA approved safety glasses, & a disposable sanding mask. The cost of this kit is \$30. Replacement cost of safety glasses will be \$2.50. Replacement cost of sanding masks will be \$0.75. \*Safety glasses must be worn at all times in shop\*

**Expected Student Behavior:**

- 1) Students should respect themselves, classmates & instructor/administrators at all times(behave as though your parents/guardians were participating right by your side)
- 2) Students should dress appropriately at all times(follow school dress codes and safety regulations)
- 3) Students should use appropriate speech( No profanity, Do Not interrupt class by talking, No derogatory comments to fellow students, instructor or administrators)
- 4) Students should follow instructions set forth by instructor, exactly as instructed( students should not be afraid to ask for clarification if they don't understand, communication is a key part of any work environment).
- 5) Students should know why they are here(to learn auto-collision repair, not to play games)

Failure to comply will result in one verbal warning, then discipline will be handled according to the Marion Co. A.C.T. student hand book.

Student Signature: \_\_\_\_\_

Date: \_\_\_\_\_