

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
AUB 127 – INTRODUCTION TO COLLISION REPAIR TECHNOLOGY (3 CR.)

Course Description

Introduces shop practices for auto body laboratory and shop safety, identification and use of hand tools, general power equipment and maintenance of auto body shop. Explains basic operation procedures, careers, terminology, estimating, and cycle time principles. Presents Occupational Safety and Health Act (OSHA) standards and Environmental Protection Agency (EPA) regulations pertaining to the collision repair field. Student will complete the Inter Industry Conference on Auto Collision Repair (I-CAR) modules related to the major course topics. Lecture 2 hours. Lab 2 hours. Total 4 hours per week.

General Course Purpose

This course enables students to become familiar with the collision repair industry, the tools, materials, and equipment, and the proper hands-on techniques used to perform collision repairs on vehicles. This course will be the prerequisite course to a proposed career studies certificate program requested by the local collision repair industry.

Course Prerequisites/Corequisites

None

Course Objectives

Upon completing the course, the student will be able to:

- List the various collision repair job titles
- Describe OSHA and EPA safety requirements related to the collision repair industry
- Classify vehicle parts as it relates to collision repair
- Identify collision repair materials, tools, and equipment
- Describe the use of cycle time in a collision repair facility
- Demonstrate proper panel removal and reinstallation techniques
- Demonstrate basic vehicle body repair techniques using various tools, materials, and equipment

Major Topics to be Included

- Collision Repair Safety
- Collision Repair Job Roles
- Tool Identification
- Vehicle Terminology
- Cycle Time
- Vehicle Construction Materials
- Panel Removal and Replacement
- Basic Body Repair Techniques