Department:

Auto Collision Repair

Course Description:

This course is the first in a four-course sequence covering all aspects of non-structural analysis and damage repair for automobiles. The course will cover safety issues, vehicle construction, industry opportunities, and auto body repair techniques and materials.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Explain the components of safety pertaining to auto collision and repair
2. Identify the parts and explain basic construction of vehicles
3. Identify opportunities in the auto collision industry
4. Explain metal straightening techniques
5. Explain the application and use of body fillers
6. Demonstrate proper use, set-up, and storage of welding equipment
7. Distinguish between weldable and non-weldable materials
8. Demonstrate fundamental industry standard recommended welds
9. Identify plastics and adhesives used in the automotive industry
10. Explain the general purpose of damage, estimation, and repair orders
11. Explain the processes required for outer body panel repairs, replacements, and adjustments
12. Demonstrate fundamental cutting procedures

Course Content:

A. Safety components
B. Parts and Construction of Vehicles
C. Opportunities in the Auto Collision Industry
D. Metal Straightening
E. Application and Use of Body Fillers
F. Welding Equipment Use, Set-up, and Storage
G. Weldable and Non-weldable Materials
H. Standard Recommended Welds
I. Plastics and Adhesives
J. Damage, Estimation, and Repair Orders
K. Outer Door Panel Repair, Replacements, and Adjustments
L. Cutting Procedures

Learning Assessments:

Assessments may include quizzes, tests, project work, demonstrations, instructor observation, weekly assignments, and written papers.
Instructional Materials:


Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

On-Campus Students: At enrollment, any on campus student may complete a form that will allow them to self-identify any disability.

Off-Campus Regional Students: Self-identify your disability and accommodation needs with the Regional Coordinator and/or instructor, preferably prior to the first class meeting.

Online Students: Self-identify your disability and accommodation needs by contacting the Disabilities Coordinator. Students must provide their own programs to allow accessibility on their home computer.

Any student may also identify their disability by completing an online form located on the HCC homepage under Students Services/Resources/Disabilities. Questions should be directed to the Disabilities Coordinator.