

Department:

Auto Collision Repair

Course Description:

Through a variety of classroom and or shop/lab learning and assessment activities, students in this course will: explore the components of safety pertaining to auto collision and repair; explore the parts and construction of vehicles; explore opportunities in the auto collision industry; identify metal straightening techniques; identify the application and use of body fillers; demonstrate proper use, set-up and storage of welding equipment; distinguish between weldable and non-weldable materials; demonstrate fundamental industry standard recommended welds; identify plastics and adhesives used in automotive industry; explain the general purpose of damage, estimation and repair orders; explore the processes required for outer body panel repairs, replacements and adjustments; and demonstrate fundamental cutting procedures.

Course Competencies:

1. Explore the components of safety pertaining to auto collision and repair
2. Explore the parts and construction of vehicles
3. Explore opportunities in the auto collision industry
4. Identify metal straightening techniques
5. Identify 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 automotive industry
10. Explain the general purpose of damage, estimation and repair orders
11. Explore 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 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 Order Repairs
- K. Outer Door Panel Repair, Replacements, and Adjustments

L. Cutting Procedure

Learning Assessments:

Assessments may include: Quizzes, tests, project work, demonstrated competence, instructor observation, weekly assignments and/or written papers.

Instructional Materials:

Textbook:

Auto Body Repair Technology. James E. Duffy. NATEF. Edition: 5th ISBN: 9781418073534

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.

In order to begin the process all students **must** complete the “Disabilities Self-Identification Form” on our [Disability Services website](#).

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.

A Note on Harassment, Discrimination and Sexual Misconduct

Highland Community College seeks to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX, and College policy prohibit harassment, discrimination and sexual misconduct. Highland Community College encourages anyone experiencing harassment, discrimination or sexual misconduct to talk to report to the Vice President for Student Services, the Human Resources Director or complete an [online report](#) about what happened so that they can get the support they need and Highland Community College can respond appropriately.

There are both confidential and non-confidential resources and reporting options available to you. Highland Community College is legally obligated to respond to reports of sexual misconduct, and therefore we cannot guarantee the confidentiality of a report, unless made to a confidential resource. Responses may vary from support services to formal investigations. As a faculty member, I am required to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide our Title IX coordinator with relevant details such as the names of those involved in the incident. For more information about policies and resources or reporting options, please review our [Equity Grievance Policy](#).