

Course Outcomes and Outline
Spokane Community College

Course Title: Major Unibody and Frame Repair

Prefix and Course Number: ABF 225

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Demonstrate mechanical and computer measuring systems
- Perform basic repair and replacement procedures
- Demonstrate replacement of vehicle glass
- Understand measuring using metric and standard systems

Course Outline:

I. Universal measuring systems

- A. Mechanical measuring systems
- B. Computerized measuring systems

II. Fillers

- A. Different types and uses of plastic
- B. How to repair plastics
- C. Chemical-adhesive bonding techniques

III. Metal Working

- A. Different techniques
- B. Hammer and dolly
- C. Metal shrinking
- D. High strength steel applications

IV. Repair and Replacement

- A. Frame bench machine
- B. Different types of pulling equipment

V. Quarter Panel Replacement

VI. Glass Replacement

- A. Windshields
- B. Back glass
- C. Side glass