

**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title: Introduction to Unibody**

**Prefix and Course Number: ABF 212**

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**Course Learning Outcomes:**

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

- Demonstrate understanding of importance of weld quality
- Demonstrate understanding of attachment methods and appropriate uses
- Demonstrate understanding of safety practices related to unibody pulling and jacking equipment

**Course Outline:**

- I. Automobile construction
  - A. Body styles and types
  - B. Automobile construction types
  - C. Collision energy management
- II. Advanced welding applications
  - A. I-Car approved structural joining techniques
  - B. Squeeze type resistance welding
  - C. Corrosion protection of weld areas
- III. Upper body alignment
  - A. Measuring techniques
  - B. Hydraulic jack use
  - C. Floor mounted pulling devices