

Print Date: 7/9/14

Course Objectives/Course Outline
Spokane Community College

Course Title: Intermediate Mechanical Components Applications

Prefix and Course Number: ABF 254

Course Learning Outcomes:

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

- Remove and install a variety of shock absorbers
- Repair conventional steering systems
- Repair rack and pinion steering systems
- Make front end alignments of front-wheel drives
- Make front end alignments on four-wheel drives

Course Outline:

- I. Energy Absorbers
 - A. Bumper Shock Absorbers
 - B. Typical Energy Absorbers
 - C. Spring-loaded Bumper Shocks
 - D. Bonded Isolators
- II. Mechanical Systems
 - A. Front-wheel Drive
 - B. Conventional Steering
 - C. Rack and Pinion Steering
 - D. Conventional Steering Systems
 - E. MacPherson Struts
 - F. Front-wheel Alignment
 - G. Four-wheel Alignment
 - H. CV Joints
- III. Cooling Systems
 - A. Parts Identification
 - B. Repair Procedures