

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
AUB 106 - BASIC SHEET METAL OPERATIONS (4 CR.)**

Course Description

Teaches the use of metal straightening tools, basic straightening operations, shrinking, filling, sheet metal damage, and repair procedures. Lecture 3 hours. Laboratory 3 hours. Total 6 hour per week.

General Course Purpose

This course is a one-semester course designed to teach the student procedures for straightening sheet metal and the use of appropriate tools for a particular repair process. Laboratory will offer practical experience in basic sheet metal straightening procedures.

Course Prerequisites/Co-Requisites

Ability to read, write, and speak the English language. AUT 100 is necessary and recommended before other collision repair classes are attempted.

Course Objectives

Upon completion of this course, the student will be able to:

- understand basic procedures for straightening sheet metal
- identify and use the appropriate tools required for a basic sheet metal repair operation including disassembly
- explain and plan a basic sheet metal straightening operation
- understand and exhibit personal and shop safety practices
- understand and exhibit body panel alignment procedures
- disassemble, overhaul (rebuild) and repair bumper assemblies, front and rear
- properly apply, shape, sand and grind body filler
- disassemble door, hoods decklids, exterior lighting for repair or replacement.

Major Topics to be Included

- a. disassembly procedures
- b. sheet metal straightening procedures
- c. sheet metal hand tools
- d. composite (plastic) repair procedures
- e. body fillers