

**AUTOMOTIVE BODY
REPAIR – (ABR)**

The Automotive Body Repair program is designed to teach students to repair damaged body and fender parts on vehicles. The course includes the latest repair technology, welding, shop safety, metal straightening, fiberglass repair and damage estimating. Students will obtain skills which include all phases of auto body repair.

This program consists of one A.O.T. degree option and one short certificate. Curriculum Code 47.0603

**AUTOMOTIVE BODY REPAIR
Short Certificate – 29 Credit Hours**

Note: PSY 100 Orientation and WKO 107 Workplace Skills Preparation are required during the first semester of attendance for all students entering this program.

• PSY 100	Orientation	1
• WKO 107	Workplace Skills Preparation	1
• ABR 111	Non Structural Repair	3
• ABR 114	Non Structural Panel Replacement	3
• ABR 122	Surface Preparation	3
• ABR 123	Paint Preparation and Equipment	3
• ABR 151	Safety and Environmental Practices	3
• ABR 154	Automotive Glass and Trim	3
• ABR 156	Cutting and Welding	3
• ABR 213	Automotive Structural Analysis	3
• ABR 214	Automotive Structural Repair	3

**AUTOMOTIVE BODY REPAIR
Associate in Occupational Technologies Degree
66 Credit Hours**

Note: PSY 100 Orientation and WKO 107 Workplace Skills Preparation are required during the first semester of attendance for all students entering this program. The A.O.T. degree requires a high school diploma or its equivalent. The general education requirement for the A.O.T. degree is RDG 114 Critical Reading for College (Depending upon placement scores).

Major: Auto Body Repair (ABR) Short Certificate

Minor: Business (BUS)

	Semester Hours
General Studies Courses	24
Area I – Written Composition	3
• ENG 101 English Composition I	
Area II – Humanities & Fine Arts	6
• SPH 107 Fundamentals of Public Speaking	
• Humanities and Fine Arts Course	
Area III – Natural Science & Mathematics	12
• Two 1-hour PED activity courses	2
• Natural Science Course	4
• <i>Select one of the following courses:</i>	3

- CIS 130 Introduction to Information Systems
- CIS 146 Microcomputer Applications
- *Select one of the following courses:* 3
- MTH 100 Intermediate College Algebra
- MTH 110 Finite Mathematics

Area IV – History, Social, & Behavioral Sciences 3

- History, Social, or Behavioral Science Course

Pre-Professional Course 1

- BSS 220 Professional Transition 1

Area V – Minor/Elective Courses 12

- BUS 100 Introduction to Business 3
- BUS 147 Introduction to Finance 3
- BUS 150 Business Mathematics 3
- BUS 215 Business Communications 3

**AUTOMOTIVE BODY REPAIR
Course Descriptions**

ABR 111 NON-STRUCTURAL REPAIR 3 HOURS

Prerequisite(s): As determined by college

Students are introduced to basic principles of non-structural panel repairs. Topics include shop safety, identification and use of hand/power tools, sheet metal repairs, and materials. CORE

ABR 114 NON-STRUCTURAL PANEL REPLACEMENT 3 HOURS

Prerequisite(s): As determined by college

Students are introduced to the principles of non-structural panel replacement. Topics include replacement and alignment of bolt on panels, full and partial panel replacement procedures, and attachment methods. CORE

ABR 122 SURFACE PREPARATION 3 HOURS

Prerequisite(s): As determined by college

This course introduces students to methods of surface preparation for automotive refinishing. Topics include sanding techniques, metal treatment, selection and use of undercoats, and proper masking procedures. Upon completion, students should be able to prepare a vehicle for refinishing. CORE

ABR 123 PAINT PREPARATION AND EQUIPMENT 3 HOURS

Prerequisite(s): As determined by college

This course introduces students to methods of paint application and equipment used for vehicular refinishing. Topics include spray gun and related equipment use, paint mixing, matching, and applying the final topcoat. CORE

ABR 151 SAFETY AND ENVIRONMENTAL PRACTICES 3 HOURS

Prerequisite(s): As determined by college

This course is designed to instruct the student in safe work practices. Topics include OSHA requirements, EPA regulations as well as state and local laws.

ABR 154 AUTOMOTIVE GLASS AND TRIM 3 HOURS

Prerequisite(s): As determined by college

This course is a study of automotive glass and trim. Emphasis is placed on removal and replacement of structural and nonstructural glass and automotive trim. Upon completion,

