

Washtenaw Community College Comprehensive Report

ABR 111 Introduction to Auto Body Repair Effective Term: Winter 2018

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: Automotive Body

Discipline: Auto Body Repair

Course Number: 111

Org Number: 14110

Full Course Title: Introduction to Auto Body Repair

Transcript Title: Intro. to Auto Body Repair

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Three Year Review / Assessment Report

Change Information:

Consultation with all departments affected by this course is required.

Outcomes/Assessment

Other:

Rationale: Based upon recently submitted assessment data

Proposed Start Semester: Winter 2018

Course Description: This entry level, self-paced course will focus on preparing students for a career in the automotive collision repair industry. Through the use of training modules, students will learn industry standard repair procedures, damage assessment, and proper tool selection to aid in the repair of collision damaged automobiles. Additionally, students will be introduced to the automotive finishing process and provided with hands-on training for body panel repair and alignment, plastic welding and MIG welding.

Course Credit Hours

Variable hours: No

Credits: 4

Lecture Hours: Instructor: 60 **Student:** 60

Lab: Instructor: 45 **Student:** 45

Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 105 **Student:** 105

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

No Level Required

Requisites

General Education

Degree Attributes

Statewide articulation approved

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify and demonstrate principles of industry repair standards of collision damaged automobiles.

Assessment 1

Assessment Tool: Appropriate questions on test

Assessment Date: Winter 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 75% of students will score 75% or higher

Who will score and analyze the data: Departmental faculty

Assessment 2

Assessment Tool: Student achievement record

Assessment Date: Winter 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Students will be scored using a checklist

Standard of success to be used for this assessment: 75% of students will score 75% or higher

Who will score and analyze the data: Departmental faculty

2. Analyze body panel damage and determine needed repair procedures and techniques.

Assessment 1

Assessment Tool: Chapter test including multiple choice, TF, and fill in the blank.

Assessment Date: Winter 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 75% of students will score 75% or higher

Who will score and analyze the data: Departmental faculty

3. Perform necessary repairs in accordance w/safety standards as instructed.

Assessment 1

Assessment Tool: Student achievement record

Assessment Date: Winter 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Checklist

Standard of success to be used for this assessment: 75% of students will score 75% or higher

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Explore planned classroom activities and demonstrate the ability to apply fundamental principles of collision damage repair.
2. Determine the extent of direct and indirect damage and direction of impact; develop and document a repair plan.
3. Determine the type of weld (continuous, butt weld with backing, lap, etc.) for weld being made according to manufacturer's/industry standards.
4. Straighten and rough-out contours of damaged panel to a suitable condition for body filling or metal finishing using power tools, hand tools, and weld-on pull attachments.
5. Inspect, remove, replace and align bolted, bonded, and welded steel panel or panel assemblies.
6. Replace or repair rigid, semi-ridged, and flexible plastic panels according to manufacturer's specifications.
7. Select and use the proper personal safety equipment for surface preparation, spray gun and related equipment operation, paint mixing, matching and application, paint defects, and detailing (gloves, suits, hoods, eye, and ear protection, etc.).

New Resources for Course

Course Textbooks/Resources

Textbooks
 Manuals
 Periodicals
 Software

Equipment/Facilities

Level I classroom

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Robert Lowing</i>	<i>Faculty Preparer</i>	<i>May 19, 2017</i>
Department Chair/Area Director: <i>Timothy VanSchoick</i>	<i>Recommend Approval</i>	<i>May 25, 2017</i>
Dean: <i>Brandon Tucker</i>	<i>Recommend Approval</i>	<i>Jun 21, 2017</i>
Curriculum Committee Chair: <i>Lisa Veasey</i>	<i>Recommend Approval</i>	<i>Sep 18, 2017</i>
Assessment Committee Chair: <i>Michelle Garey</i>	<i>Recommend Approval</i>	<i>Sep 19, 2017</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Sep 24, 2017</i>