Washtenaw Community College Comprehensive Report

ATT 111 Introduction to Auto Body Repair
Effective Term: Fall 2025

Course Cover

College: Advanced Technologies and Public Service Careers
Division: Advanced Technologies and Public Service Careers
Department: Transportation Technologies
Discipline: Automotive & Transportation Tech (new)
Course Number: 111
Org Number: 14100
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: Course Change
Change Information:
Consultation with all departments affected by this course is required.
Outcomes/Assessment
Rationale: Update the course for the new discipline.
Proposed Start Semester: Fall 2024
Course Description: In this course students will learn industry standard repair procedures, vehicle damage assessment, and proper tool selection to aid in the repair of collision damaged automobiles. Students will also be introduced to the automotive finishing process and provided with hands-on training for body panel repair and alignment, plastic welding and MIG welding.This entry level, self-paced course will focus on preparing students for a career in the automotive collision repair industry. This course was previously ABR 111.

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: Outcome related exam questions
   Assessment Date: Winter 2025
   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: Outcome-related skills checklist
   Assessment Date: Winter 2025
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmentally-developed rubric
   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: Outcome-related exam questions
   Assessment Date: Winter 2025
   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 with industry safety standards.
   Assessment 1
   Assessment Tool: Outcome-related skills checklist
   Assessment Date: Winter 2025
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmentally-developed rubric
   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. Identify fundamental principles of collision damage repair.
2. Demonstrate the ability to apply fundamental principles of collision damage repair.
3. Determine the extent of direct and indirect damage and direction of impact.

4. Develop and document a repair plan.
5. Determine the type of weld (continuous, butt weld with backing, lap, etc.) for weld being made according to manufacturer's/industry standards.
6. 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.
7. Inspect, remove, replace and align bolted, bonded, and welded steel panel or panel assemblies.
8. Replace or repair rigid, semi-ridged, and flexible plastic panels according to manufacturer's specifications.
9. 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, suites, hoods, eye, and ear protection, etc.).

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level I classroom

Reviewer	Action	Date
Faculty Preparer:		
Shawn Deron	*Faculty Preparer*	*Mar 27, 2024*
Department Chair/Area Director:		
Rocky Roberts	*Recommend Approval*	*Mar 27, 2024*
Dean:		
Eva Samulski	*Recommend Approval*	*Apr 03, 2024*
Curriculum Committee Chair:		
Randy Van Wagnen	*Recommend Approval*	*Mar 20, 2025*
Assessment Committee Chair:		
Jessica Hale	*Recommend Approval*	*Mar 20, 2025*
Vice President for Instruction:		
Brandon Tucker	*Approve*	*Mar 21, 2025*

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, suites, hoods, eye, and ear protection, etc.).

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level I classroom

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