

Washtenaw Community College Comprehensive Report

ATT 124 Technical Automotive Refinishing 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: 124

Org Number: 14100

Full Course Title: Technical Automotive Refinishing

Transcript Title: Technical Automotive Refinish

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.

Course discipline code & number

Course description

Outcomes/Assessment

Rationale: Update the course for the new discipline.

Proposed Start Semester: Fall 2024

Course Description: In this course, students will learn refinishing techniques to advance their fundamental skills learned in previous courses. Operations such as proper spraying techniques for the application of metallic colors, spot repairs, color blending, single stage, base-coat/clear-coat systems, tri-coat finishes, and specialty products will be covered. Basic custom paint, detailing, and advanced color mixing and matching will also be covered. Lab assignments will include the proper surface preparation of a vehicle's entire front clip. This course was previously ABR 124.

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

Requisites

Prerequisite

ATT 112 minimum grade C

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Demonstrate advanced principles of spray gun setup techniques.

Assessment 1

Assessment Tool: Outcome-related demonstration

Assessment Date: Fall 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: 80% of students will score 85% or higher.

Who will score and analyze the data: Departmental faculty

2. Produce accurate color diagnosis using proper procedures and techniques.

Assessment 1

Assessment Tool: Outcome-related demonstration

Assessment Date: Fall 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: 80% of students will score 85% or higher.

Who will score and analyze the data: Departmental faculty

3. Perform industry standard application of refinishing materials on automobiles.

Assessment 1

Assessment Tool: Outcome-related demonstration

Assessment Date: Fall 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: 80% of students will score 85% or higher.

Who will score and analyze the data: Departmental faculty

4. Analyze paint finish and perform polishing techniques.

Assessment 1

Assessment Tool: Outcome-related exam questions

Assessment Date: Fall 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: 80% of students will score 85% or higher.

Who will score and analyze the data: Departmental faculty

Assessment 2

Assessment Tool: Outcome-related demonstration

Assessment Date: Fall 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: 80% of students will score 85% or higher.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Apply fundamental principles of automotive refinishing.
2. Apply selected product on test and let down panel; check for color match.
3. Apply finish using appropriate spray techniques (gun arc, gun angle, gun distance, gun speed, and spray pattern overlap) for the finish being applied.
4. Apply multi-stage coats for panel blending or overall refinishing.
5. Identify alternative color formula to achieve a blendable match.
6. Apply single stage topcoat.
7. Apply basecoat/clearcoat for panel blending or partial refinishing.
8. Apply basecoat/clearcoat for overall refinishing.
9. Denib, buff, and polish finishes where necessary.
10. Apply waterborne base coat.
11. Recognize proper spray gun setup and operation.
12. Recognize spray gun techniques for downdraft booth application.

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

Washtenaw Community College Comprehensive Report

ABR 124 Technical Automotive Refinishing Effective Term: Winter 2018

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: Automotive Body

Discipline: Auto Body Repair

Course Number: 124

Org Number: 14110

Full Course Title: Technical Automotive Refinishing

Transcript Title: Technical Automotive Refinish

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

Objectives/Evaluation

Rationale: Update syllabus as a result of assessment report

Proposed Start Semester: Winter 2018

Course Description: This course provides students the opportunity to advance fundamental skills. Lab assignments will include the proper surface preparation of a vehicle's front clip. Operations such as proper spraying techniques for the application of metallic colors, spot repairs, color blending, single stage, base-coat clear-coat systems, tri-coat finishes, and specialty products will be covered. Basic custom paint, detailing, and advanced color mixing and matching will also be covered.

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

Requisites

Prerequisite

ABR 112 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify and demonstrate principles of spray gun set-up and various techniques.

Assessment 1

Assessment Tool: Student Achievement Record

Assessment Date: Fall 2019

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills checklist

Standard of success to be used for this assessment: 80% of students will score 85% or higher

Who will score and analyze the data: Departmental faculty

2. Demonstrate ability to produce accurate color diagnosis through proper procedures and techniques.

Assessment 1

Assessment Tool: Student Achievement Record

Assessment Date: Fall 2019

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills checklist

Standard of success to be used for this assessment: 80% of students will score 85% or higher

Who will score and analyze the data: Departmental faculty

3. Perform industry standard application of refinishing materials on automobiles.

Assessment 1

Assessment Tool: Student Achievement Record

Assessment Date: Fall 2019

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills checklist

Standard of success to be used for this assessment: 80% of students will score 85% or higher

Who will score and analyze the data: Departmental faculty

4. Analyze paint finish and perform polishing techniques.

Assessment 1

Assessment Tool: Student Achievement Record

Assessment Date: Fall 2019

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Skills checklist

Standard of success to be used for this assessment: 80% of students will score 85% or higher

Who will score and analyze the data: Departmental faculty

Assessment 2

Assessment Tool: Final exam

Assessment Date: Fall 2019

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Scored with an answer key

Standard of success to be used for this assessment: 80% of students will score 85% 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 automotive refinishing.
2. Apply selected product on test and let down panel; check for color match.
3. Apply finish using appropriate spray techniques (gun arc, gun angle, gun distance, gun speed, and spray pattern overlap) for the finish being applied.
4. Apply multi-stage coats for panel blending or overall refinishing.
5. Identify alternative color formula to achieve a blendable match.
6. Apply single stage topcoat.
7. Apply basecoat/clearcoat for panel blending or partial refinishing.
8. Apply basecoat/clearcoat for overall refinishing.
9. Denib, buff, and polish finishes where necessary.
10. Apply waterborne base coat.
11. Recognize spray gun set-up and operation.
12. Recognize spray gun techniques for downdraft booth application.

New Resources for Course

Course Textbooks/Resources

Textbooks

Manuals

Periodicals

Software

Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Timothy VanSchoick</i>	<i>Faculty Preparer</i>	<i>Jun 07, 2017</i>
Department Chair/Area Director: <i>Timothy VanSchoick</i>	<i>Recommend Approval</i>	<i>Jun 07, 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>