

Washtenaw Community College Comprehensive Report

CRT 202 Refinish Technician I

Effective Term: Winter 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: Automotive Body

Discipline: Collision Repair Technician

Course Number: 202

Org Number: 14110

Full Course Title: Refinish Technician I

Transcript Title: Refinish Technician I

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:

Course discipline code & number

Course description

Pre-requisite, co-requisite, or enrollment restrictions

Outcomes/Assessment

Objectives/Evaluation

Rationale: Because of the length of the advanced certificate programs, student success and completion rates have been below expectations. With students unable to complete all courses because of limited offerings we are revising the program. We are combining material from CRT 200, CRT 240 and CRT 280 into one course and reducing the number of credit hours in the program.

Proposed Start Semester: Winter 2014

Course Description: In this course, students will continue their training in advanced refinishing techniques. Proper spray-gun set-up and operation will be covered. Other course topics such as the use of job specific tooling that aids in the jiggling of small parts, information on the use and application of masking materials, problem-solving and time management skills will be covered. Actual vehicles, used as training aids, will complement information presented on masking for primer, paint and spot repairs. Color theory and how to effectively tint solid and metallic colors to achieve a blendable color match and advanced refinishing techniques will also be discussed. This course contains material previously taught in CRT 200 and CRT 240.

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 Math

Requisites

Prerequisite

ABR 123 minimum grade "B"
and

Prerequisite

ABR 124 minimum grade "B"
and

Prerequisite

ABR 113 minimum grade "B"
or

Prerequisite

ABR 135 minimum grade "B"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Correct paint color on difficult original equipment manufacturer (OEM) formulas using specialized techniques and equipment for correct blendable formulation.

Assessment 1

Assessment Tool: Final Exam

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the exam.

Who will score and analyze the data: Departmental faculty

Assessment 2

Assessment Tool: Student Achievement Record

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the student achievement record.

Who will score and analyze the data: Departmental faculty

2. Determine factory chip coatings from multiple surfaces on the vehicle.

Assessment 1

Assessment Tool: Final Exam

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the exam.

Who will score and analyze the data: Departmental faculty

Assessment 2

Assessment Tool: Student Achievement Record

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the student achievement record.

Who will score and analyze the data: Departmental faculty

3. Identify and practice proper safety and maintenance to comply with NIOSH/OSHA standards for respirator systems.

Assessment 1

Assessment Tool: Final Exam

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the exam.

Who will score and analyze the data: Departmental faculty

Assessment 2

Assessment Tool: Student Achievement Record

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the student achievement record.

Who will score and analyze the data: Departmental faculty

4. Recognize and perform applicable masking procedures associated with specific refinish repairs.

Assessment 1

Assessment Tool: Final Exam

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the exam.

Who will score and analyze the data: Departmental faculty

Assessment 2

Assessment Tool: Student Achievement Record

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the student achievement record.

Who will score and analyze the data: Departmental faculty

5. Apply appropriate vehicle accents and demonstrate proper detailing techniques.

Assessment 1

Assessment Tool: Final Exam

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the exam.

Who will score and analyze the data: Departmental faculty

Assessment 2

Assessment Tool: Student Achievement Record

Assessment Date: Spring/Summer 2015

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 the students will score 80% or higher on the student achievement record.

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.

Matched Outcomes

2. Mask and protect other areas that will not be refinished.

Matched Outcomes

3. Select and use the NIOSH approved (Fresh Air make-up System) personal painting/refinishing respirator system.

Matched Outcomes

4. Perform proper maintenance in accordance with OSHA Regulation 1910.134 and applicable state and local regulations.

Matched Outcomes

5. Determine type and color of paint already on vehicle by manufacturer's vehicle information label to mix and achieve a blendable match.

Matched Outcomes

6. Locate color formulas using the latest computer search programs to correctly mix paint to create a blendable product.

Matched Outcomes

7. Identify factory chip resistance coating using multiple sites on the vehicle.

Matched Outcomes

8. Determine the proper methods for applying a chip resistance coating.

Matched Outcomes

9. Select and apply the appropriate masking technique for exterior trim moldings in accordance with industry standards.

Matched Outcomes

10. Identify appropriate masking techniques for vehicle uni-sides.

Matched Outcomes

11. Identify and adjust application for spray sensitive OEM color formulas.

Matched Outcomes

12. Apply advanced masking techniques in unique refinish situations for priming and painting.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks

Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom

Reviewer

Action

Date

Faculty Preparer:

Scott Malnar

Faculty Preparer

Sep 09, 2013

Department Chair/Area Director:

Scott Malnar

Recommend Approval

Sep 10, 2013

Dean:

Marilyn Donham

Recommend Approval

Sep 24, 2013

Vice President for Instruction:

Bill Abernethy

Approve

Oct 11, 2013