

Washtenaw Community College Comprehensive Report

CRT 201 Collision Technician I

Effective Term: Winter 2013

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: Automotive Body

Discipline: Collision Repair Technician

Course Number: 201

Org Number: 14110

Full Course Title: Collision Technician I

Transcript Title: Collision 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:

Consultation with all departments affected by this course is required.

Pre-requisite, co-requisite, or enrollment restrictions

Outcomes/Assessment

Rationale: Allow students to enroll in this course prior to completing ABR certificate.

Proposed Start Semester: Winter 2013

Course Description: Advanced repair techniques such as damage analysis; the use of computerized frame equipment; panel sectioning and non-structural collision repair, will be covered in this course. Lab activities will include proper tool selection and the repair or replacement of collision damaged steering, suspension, and power train components on college-provided vehicles. Additional information relating to set up procedures of full-frame and unitized body vehicles will be presented.

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 111 minimum grade "B"
and

Prerequisite

ABR 112 minimum grade "B"

and

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. Analyze vehicle damage and determine structural tolerances and repair techniques.

Assessment 1

Assessment Tool: Student Achievement Record. Final Exam.

Assessment Date: Winter 2013

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 final exam and and achievement record.

Who will score and analyze the data: Departmental faculty.

2. Analyze and document vehicle damage and direction of impact.

Assessment 1

Assessment Tool: Student Achievement Record. Final Exam.

Assessment Date: Winter 2013

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% of higher on the exam and achievement record.

Who will score and analyze the data: Departmental faculty.

3. Identify heat limitations in structural components.

Assessment 1

Assessment Tool: Student Achievement Record. Final Exam.

Assessment Date: Winter 2013

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% of higher on the exam and achievement record.

Who will score and analyze the data: Departmental faculty.

4. Demonstrate the proper inspection techniques for location of suspension and steering

components.

Assessment 1

Assessment Tool: Student Achievement Record. Final Exam.

Assessment Date: Winter 2013

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% of higher on the exam and achievement record.

Who will score and analyze the data: Departmental faculty.

5. Apply appropriate repair techniques using power and hand tools.

Assessment 1

Assessment Tool: Student Achievement Record. Final Exam.

Assessment Date: Winter 2013

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% of higher on the exam and achievement record.

Who will score and analyze the data: Departmental faculty.

6. Demonstrate proper techniques involved with sectioning steel body panels.

Assessment 1

Assessment Tool: Student Achievement Record. Final Exam.

Assessment Date: Winter 2013

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% of higher on the exam and achievement record.

Who will score and analyze the data: Departmental faculty.

7. Recall the importance of restoring corrosion protection in vehicles.

Assessment 1

Assessment Tool: Student Achievement Record. Final Exam.

Assessment Date: Winter 2013

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% of higher on the exam and 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

1. Analyze vehicle damage and determine structural tolerances and repair techniques.
2. Determine the extent of the direct and indirect damage and the direction of impact; document the methods and sequence of repair.

Matched Outcomes

2. Analyze and document vehicle damage and direction of impact.
3. Identify heat limitations in structural components.

Matched Outcomes

3. Identify heat limitations in structural components.
4. Determine and inspect the locations of all suspension, steering, and powertrain component attaching points on the vehicle.

Matched Outcomes

4. Demonstrate the proper inspection techniques for location of suspension and steering components.
5. Repair damage using power tools and hand tools to restore proper contours and dimensions.

Matched Outcomes

5. Apply appropriate repair techniques using power and hand tools.
6. Remove and replace damaged sections of structural steel body panels.

Matched Outcomes

6. Demonstrate proper techniques involved with sectioning steel body panels.
7. Restore corrosion protection to repaired or replaced unibody structural areas.

Matched Outcomes

7. Recall the importance of restoring corrosion protection in vehicles.

New Resources for Course**Course Textbooks/Resources**

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities**Reviewer****Action****Date****Faculty Preparer:**

Scott Malnar

Faculty Preparer

Sep 05, 2012

Department Chair/Area Director:

Scott Malnar

Recommend Approval

Sep 05, 2012

Dean:

Marilyn Donham

Recommend Approval

Sep 18, 2012

Vice President for Instruction:

Stuart Blacklaw

Approve

Oct 19, 2012