

Washtenaw Community College Comprehensive Report

MST 140 Motorcycle Service Technology IV Effective Term: Fall 2025

Course Cover

College: Advanced Technologies and Public Service Careers

Division: Advanced Technologies and Public Service Careers

Department: Transportation Technologies

Discipline: Motorcycle Service Technology (new)

Course Number: 140

Org Number: 14100

Full Course Title: Motorcycle Service Technology IV

Transcript Title: Motorcycle Serv Technology IV

Is Consultation with other department(s) required: No

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

Reason for Submission: Inactivation

Change Information:

Consultation with all departments affected by this course is required.

Rationale: This course has been phased-out.

Proposed Start Semester: Fall 2025

Course Description: In this course, students learn the proper procedure for preparing complete and accurate damage repair estimates through the use of manufacturer's service and parts manuals. Using a combination of classroom and hands-on skills training, students learn to diagnose, service and repair single- and multiple-cylinder engines.

Course Credit Hours

Variable hours: No

Credits: 4

Lecture Hours: Instructor: 45 **Student:** 45

Lab: Instructor: 60 **Student:** 60

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

MST 130 minimum grade "C"

and

Prerequisite

WAF 105 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Complete accurate repair estimates on collision-damaged motorcycles.

Assessment 1

Assessment Tool: Practical lab exams

Assessment Date: Winter 2016

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: 70% of the students will place at or above the intermediate (70%) level on practical lab exam.

Who will score and analyze the data: Department faculty

2. Complete all collision-damage repairs as per the written estimate in the allotted time.

Assessment 1

Assessment Tool: Practical lab exams

Assessment Date: Winter 2016

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: 70% of the students will place at or above the intermediate (70%) level on practical lab exam.

Who will score and analyze the data: Department faculty

3. Diagnose, repair and rebuild motorcycle and ATV engines in the allotted time.

Assessment 1

Assessment Tool: Practical lab exams

Assessment Date: Winter 2016

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: An average of 70% of the students will place at or above the intermediate (70%) level on practical lab exam.

Who will score and analyze the data: Department faculty

Course Objectives

1. Read and interpret service and parts manuals.
2. Prepare complete and accurate collision repair estimates.
3. Disassemble and catalog all parts of the collision damaged motorcycle or ATV.
4. Complete all collision damage repairs as outlined in the collision repair estimate.
5. Demonstrate proficiency in diagnosing problems and preparing cost estimates for the repair or rebuilding of motorcycle and ATV engines.
6. Service, rebuild and repair current technology motorcycle and ATV engine assembly.

New Resources for Course

Course Textbooks/Resources

Textbooks
 Manuals
 Periodicals
 Software

Equipment/Facilities

Level III classroom

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Rocky Roberts</i>	<i>Faculty Preparer</i>	<i>Jan 06, 2025</i>
Department Chair/Area Director: <i>Rocky Roberts</i>	<i>Recommend Approval</i>	<i>Jan 06, 2025</i>
Dean: <i>Eva Samulski</i>	<i>Recommend Approval</i>	<i>Jan 08, 2025</i>
Curriculum Committee Chair: <i>Randy Van Wagnen</i>	<i>Reviewed</i>	<i>Apr 15, 2025</i>
Assessment Committee Chair:		
Vice President for Instruction: <i>Brandon Tucker</i>	<i>Approve</i>	<i>Apr 15, 2025</i>

Washtenaw Community College Comprehensive Report

MST 140 Motorcycle Service Technology IV Effective Term: Fall 2019

Course Cover

College: Advanced Technologies and Public Service Careers
Division: Advanced Technologies and Public Service Careers
Department: Transportation Technologies
Discipline: Motorcycle Service Technology (new)
Course Number: 140
Org Number: 14100
Full Course Title: Motorcycle Service Technology IV
Transcript Title: Motorcycle Serv Technology IV
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

Rationale: Course moved from Motorcycle Technology Department to Transportation Technologies Department effective Fall 2019.

Proposed Start Semester: Fall 2019

Course Description: In this course, students learn the proper procedure for preparing complete and accurate damage repair estimates through the use of manufacturer's service and parts manuals. Using a combination of classroom and hands-on skills training, students learn to diagnose, service and repair single- and multiple-cylinder engines.

Course Credit Hours

Variable hours: No

Credits: 4

Lecture Hours: Instructor: 45 **Student:** 45

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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

MST 130 minimum grade "C"

and

Prerequisite

WAF 105 minimum grade "C"

General Education**Request Course Transfer**

Proposed For:

Student Learning Outcomes

1. Complete accurate repair estimates on collision-damaged motorcycles.

Assessment 1

Assessment Tool: Practical lab exams

Assessment Date: Winter 2016

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: 70% of the students will place at or above the intermediate (70%) level on practical lab exam.

Who will score and analyze the data: Department faculty

2. Complete all collision-damage repairs as per the written estimate in the allotted time.

Assessment 1

Assessment Tool: Practical lab exams

Assessment Date: Winter 2016

Assessment Cycle: Every Three Years

Course section(s)/other population: all

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How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 70% of the students will place at or above the intermediate (70%) level on practical lab exam.

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3. Diagnose, repair and rebuild motorcycle and ATV engines in the allotted time.

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Assessment Date: Winter 2016

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

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6. Service, rebuild and repair current technology motorcycle and ATV engine assembly.

New Resources for Course

Course Textbooks/Resources

- Textbooks
- Manuals
- Periodicals
- Software

Equipment/Facilities

Level III classroom

Reviewer

Faculty Preparer:

Action

Date

Jun 27, 2019

Department Chair/Area Director:

Dean:

Curriculum Committee Chair:

Assessment Committee Chair:

Vice President for Instruction:

Washtenaw Community College Comprehensive Report

MST 140 Motorcycle Service Technology IV Effective Term: Winter 2015

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: Motorcycle Technology

Discipline: Motorcycle Service Technology

Course Number: 140

Org Number: 14140

Full Course Title: Motorcycle Service Technology IV

Transcript Title: Motorcycle Serv Technology IV

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

Rationale: Three-year syllabus review as a result of assessment report.

Proposed Start Semester: Winter 2015

Course Description: In this course, students learn the proper procedure for preparing complete and accurate damage repair estimates through the use of manufacturer's service and parts manuals. Using a combination of classroom and hands-on skills training, students learn to diagnose, service and repair single- and multiple-cylinder engines.

Course Credit Hours

Variable hours: No

Credits: 4

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Audit

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College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

Prerequisite

MST 130 minimum grade "C"

and

Prerequisite

MTT 102 minimum grade "C"

and

Prerequisite

WAF 105 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Complete accurate repair estimates on collision-damaged motorcycles.

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Assessment Tool: Practical lab exams

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Assessment Cycle: Every Three Years

Course section(s)/other population: all

Number students to be assessed: all

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Who will score and analyze the data: Department faculty

Course Objectives

1. Read and interpret service and parts manuals.

Matched Outcomes

2. Prepare complete and accurate collision repair estimates.

Matched Outcomes

3. Disassemble and catalog all parts of the collision damaged motorcycle or ATV.

Matched Outcomes

4. Complete all collision damage repairs as outlined in the collision repair estimate.

Matched Outcomes

5. Demonstrate proficiency in diagnosing problems and preparing cost estimates for the repair or rebuilding of motorcycle and ATV engines.

Matched Outcomes

6. Service, rebuild and repair current technology motorcycle and ATV engine assembly.

Matched Outcomes

New Resources for Course
Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom

Reviewer

Action

Date

Faculty Preparer:

Michael Shute

Faculty Preparer

May 07, 2014

Department Chair/Area Director:

Shawn Deron

Recommend Approval

May 15, 2014

Dean:

Marilyn Donham

Recommend Approval

May 19, 2014

Vice President for Instruction:

Bill Abernethy

Approve

Dec 01, 2014