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
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

Reviewer	Action	Date
Faculty Preparer:		*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
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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

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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
   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.
   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*