Received by C&A 6/23/23

Washtenaw Community College

Program Discontinuation Form

Program Code: CVMST2	**Program Name: Motorcycle Service Technology II**	**Effective Term: Fall 2023**
Division Code: ATP	**Department:** Transportation Technologies	

Directions: Complete all information below.

Rationale for discontinuation:

CVMST2				
	2018-19	**2019-20**	**2020-21**	**2021-22**
Enrollment	1	2	1	0
Awards	2	0	1	3

Over the last five years, we have seen a downward trend in enrollment in CVMST2, with only six certificates awarded.

Describe the discontinuation, transition and course phase-out plan. Please include the number of currently enrolled students.

There are five (5) students currently enrolled in this program. Motorcycle course offerings will be significantly reduced by 2025 as students finish or transition to other programs, and will be eliminated by the end of the three-year phase-out period (end of Summer 2026). Students were notified on June 5th via letter.

List departments using this program and the date they were notified of the planned discontinuation.

N/A

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Jimmie Baber	Jimmie Baber	6/23/23
Department Chair	Rocky Roberts/Mike Duff	Rocky Roberts/Mike Duff	6/23/23
Division Dean/Administrator	Jimmie Baber	Jimmie Baber	6/23/23

Please submit completed form to the Office of Curriculum and Assessment (SC 257) or by e-mail to curriculum.assessment@wccnet.edu

Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.

Reviewer	Print Name	Signature	Date
Curriculum Committee Chair	Randy Van Wagnen	RVanWagnen	08-31-23
Vice President of Instruction	Victor Vega		9/5/2023
President	Rose B. Bellanca	Rose B Bellanca	9/5/23

Do not write in shaded area. Entered in: Banner_____ C&A Database_____ Log File _____ Board Approval _____

Reviewed by C&A Committees 8/3/23

WASHTENAW COMMUNITY COLLEGE

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code: CVMST2

Program Name: Motorcycle Service Technology II

Effective Term: Fall 2010

Division Code: VCT

Department: MOTD

Directions:

1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

Requested Changes:

- ☐ Review
- ☐ Remove course(s): _____
- ☒ Add course(s) MST 225 Advanced Dynamometer Tuning Systems
- ☐ Program title (title was _____)
- ☐ Description
- ☐ Type of award
- ☐ Advisors
- ☐ Articulation information
- ☐ Program admission requirements
- ☐ Continuing eligibility requirements
- ☐ Program outcomes
- ☐ Accreditation information
- ☐ Discontinuation (attach program discontinuation plan that includes transition of students and timetable for phasing out courses)
- ☐ Other _____

Show all changes on the attached page from the catalog.

Rationale for proposed changes or discontinuation:

We thought that we could teach all of the "Dyno" information in one class (MST 220). We have discovered that in order to have the students learn everything, they need more time. This could not be accomplished by increasing the contact hours, but required the addition of another course.

Financial/staffing/equipment/space implications:

Classes will be covered by existing faculty in our current space. No additional equipment is required.

List departments that have been consulted regarding their use of this program.

N/A

Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Mike Shute		8-18-09
Department Chair	Mike Shute		8-18-09
Division Dean/Administrator	Bruce Greene		8-18-09
Vice President for Instruction	Roger M. Palay		9/24/09
President			

Do not write in shaded area. Entered in: Banner 9/25 C&A Database 9/25 Log File 8/18/09 Board Approval 9/25/09

Please submit completed form to the Office of Curriculum and Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

Modification to CVMST2 – Add MST 225 (4 credits) to the program.

Motorcycle Service Technology II (CVMST2)
The purpose of the Motorcycle Service Technology II Advanced Certificate program is to improve the student's skills as a motorcycle technician. Emphasis is placed on engine performance technology, dynamometer operations, and welding.

Program Admission Requirements: Completion of the Motorcycle Service Technology I Certificate

Major/Area Requirements (10 credits)
MST 210 Performance Engine Technology 4
MST 220 Dynamometer Operations 4
MST 225 Advanced Dynamometer Tuning Systems (4)
WAF 103 Heli-ARC Welding 2

Minimum Credits Required for the Program: ~~10~~ 14

Prepare for a career as a motorcycle mechanic or build upon skills already developed.

Motorcycle Service Technology I (CTMST1) — Certificate

Major/Area Requirements		(20 credits)
MST 110	Motorcycle Service Technology I	4
MST 120	Motorcycle Service Technology II	4
MST 130	Motorcycle Service Technology III	4
MST 140	Motorcycle Service Technology IV	4
MTT 102	Machining for Auto Applications	2
WAF 105	Welding for Art and Engineering	2
Minimum Credits Required for the Program:		**20**

Motorcycle Service Technology I (CTMST1)

This purpose of the Motorcycle Service Technology I Program is to provide the student with fundamental certification as a motorcycle technician. The student will receive skill training in service department operations, vehicle set-up, mileage-based maintenances, and damage repair estimating. Areas of instruction include; troubleshooting, diagnosing, servicing, and the repair of primary and final drive systems, transmissions, brakes, suspensions, electrical, and induction systems. The program will provide the skills for the student to test for the State of Michigan Motorcycle Mechanics License.

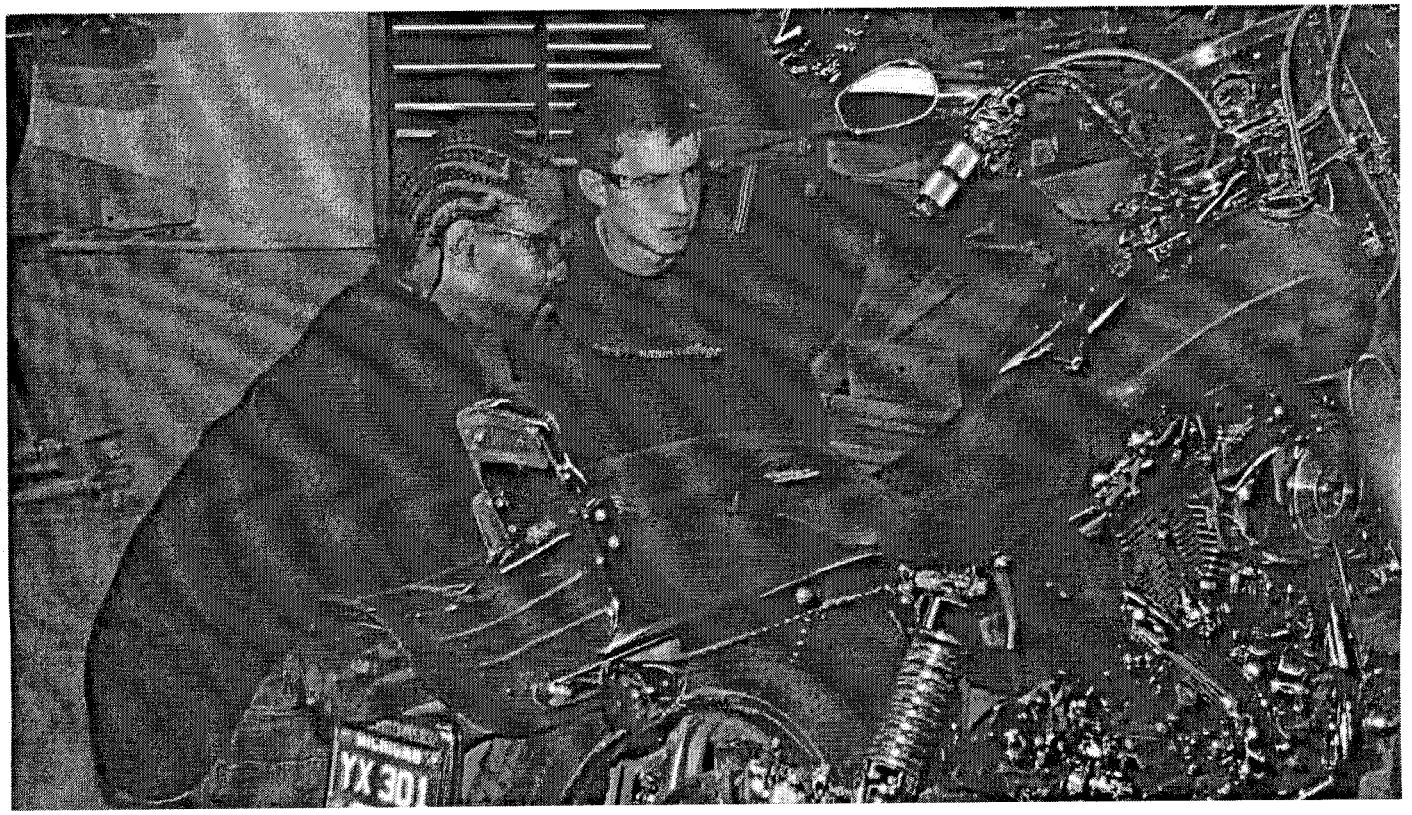
Motorcycle Service Technology II (CVMST2) — Advanced Certificate

Major/Area Requirements		(10 credits)
MST 210	Performance Engine Technology	4
MST 220	Dynamometer Operations	4
WAF 103	Heli-ARC Welding	2
MST 225	Advanced Dynamometer Tuning	(4)
Minimum Credits Required for the Program:		~~10~~ 14

Motorcycle Service Technology II (CVMST2)

The purpose of the Motorcycle Service Technology II Advanced Certificate program is to improve the student's skills as a motorcycle technician. Emphasis is placed on engine performance technology, dynamometer operations, and welding.

Program Admission Requirements: Completion of the Motorcycle Service Technology I Certificate.



Program Information Report

School of Automotive and Motorcycle Technology

If you are looking for the best technical training in the automotive or motorcycle fields, WCC's School of Automotive and Motorcycle Technology is the place for you. Whether your focus is finding employment as a technician, learning about performance, or creating a custom look, our intermediate and advanced certificate programs as well as associate's degrees will enhance your personal and professional qualifications. These programs offer the perfect blend of classroom and hands-on education not available in any other educational setting.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, advanced certificate and General Education requirements.

Motorcycle Service Technology

Prepare for a career as a motorcycle mechanic or build upon skills already developed.

Motorcycle Service Technology II (CVMST2)

Advanced Certificate

Program Effective Term: Fall 2010

The purpose of the Motorcycle Service Technology II Advanced Certificate program is to improve the student's skills as a motorcycle technician. Emphasis is placed on engine performance technology, dynamometer operations, and welding.

Program Admission Requirements:
Completion of the Motorcycle Service Technology I Certificate.

Major/Area Requirements		(14 credits)
MST 210	Performance Engine Technology	4
MST 220	Dynamometer Operations	4
MST 225	Advanced Dynamometer Tuning Systems	4
WAF 103	Heli-ARC Welding	2

Minimum Credits Required for the Program: 14

PROGRAM PROPOSAL FORM

☐ **Preliminary Approval** – Check here when using this form for preliminary approval of a program proposal, and respond to the items in general terms.

☒ **Final Approval** – Check here when completing this form after the Vice President for Instruction has given preliminary approval to a program proposal. For final approval, complete information must be provided for each item.

Program Name: **Division and Department:** **Type of Award:** **Effective Term/Year:** **Initiator:**	Motorcycle Service Technology Advanced Certificate Vocational and Automotive Technologies; Motorcycle Service Technology ☐ AA ☐ AS ☐ AAS ☐ Cert. ☒ Adv. Cert. ☐ Post-Assoc. Cert. ☐ Cert. of Comp. Winter 2008 Michael Shute	**Program Code:** CVMST2 **CIP Code:** 47.0611

Program Features Program's purpose and its goals. Criteria for entry into the program, along with projected enrollment figures. Connection to other WCC programs, as well as accrediting agencies or professional organizations. Special features of the program.	The program continues the training of the experienced student in the Motorcycle Service Technology Industry. Building on the Motorcycle Service Technology Certificate, this advanced certificate focuses on engine technology, dynamometer operations, and advanced welding skills. Projected enrollment is 30 students for the first semester based on current interest. The entry level criterion is: completion of the Motorcycle Service Technology Certificate. Connection to other WCC programs: Advanced training in motorcycle service, utilization of existing course in welding WAF 103. Expanding on service department operations skills developed under the certificate program, students in the advanced certificate program will hone their mechanical skills in engine and dynamometer technology as they relate to motorcycles and ATVs.	
Need Need for the program with evidence to support the stated need.	Continuing training in the Motorcycle Service Industry will be required. In conjunction with the Certificate in Motorcycle Service Technology, WCC students will be proficient in troubleshooting, diagnosing and repairing all the advanced components and systems found on the motorcycles and ATVs currently available. At this time, there are no known programs of this kind offered within the State of Michigan and out-of-state schools offering similar programs charge $20,000 in yearly tuition costs.	
Program Outcomes/Assessment State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program. Include assessment methods that will be used to determine the effectiveness of the program.	Outcomes 1. **Identify factors related to engine performance as calculated using a dynamometer to compare power transfer and determine areas for improvement.**	Assessment method 1. **practical labs and written exams**
	2. **Demonstrate troubleshooting skills to diagnose vehicle problems and perform necessary modifications**	2. Survey of employers.

for 11/7/06 rec'd /log date ✓ sc
JG ok

Curriculum List the courses in the program as they should appear in the catalog. List minimum credits required. Include any notes that should appear below the course list.	**CVMST Motorcycle Service Technician (Advanced Certificate)**	
	MST 210 Performance Engine Technology	4
	MST 220 Dynamometer Operations	4
	WAF 103 Heli-Arc Welding	2
	Minimum Credits required for certificate:	10

Budget Specify program costs in the following areas, per academic year:	START-UP COSTS	ONGOING COSTS
Faculty	$ 0.	$ 0.
Training/Travel	0.	0.
Materials/Resources	0.	0.
Facilities/Equipment	0.	0.
Other	0.	0.
TOTALS:	$ 0.	$ 0.

Program Description for Catalog and Web site	**The purpose of the motorcycle Service Technology Advanced Certificate program is to improve the student's skills as a Motorcycle Technician. Emphasis is placed on engine performance technology, dynamometer operations and welding.**
Program Information	**Accreditation/Licensure** - None **Advisors** – Michael Shute / Bruce Greene **Advisory Committee** – Bruce Greene, Michael Shute, members of the Motorcycle Industry, professional and educational agencies of the region TBA **Admission requirements** – Completion of the Motorcycle Service Technology Certificate **Articulation agreements** - None **Continuing eligibility requirements** - None

Assessment plan:

Program outcomes to be assessed	Assessment tool	When assessment will take place	Courses/other populations	Number students to be assessed
1. Identify factors related to engine performance as calculated using a dynamometer to compare power transfer and determine areas for improvement.	practical labs and written final exams	Winter 2011 and every 3 years thereafter.	All	A random sample of 50% of the students earning an advanced certificate
2. Demonstrate troubleshooting skills to diagnose vehicle problems and perform necessary modifications	Survey of employers.	Winter 2011 and every 3 years thereafter	All	A random sample of 50% of the students earning an advanced certificate

Scoring and analysis plan:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.

Written final exams and practical labs scores will be collected for students selected as the assessment sample.

Practical lab rubrics will be gathered for the students selected as the assessment sample.

A survey will be developed in conjunction with institutional research that will be administered to the employers of a random sample of 50% of the students earning an advanced certificate.

2. Indicate the standard of success to be used for this assessment.

Final exam scores will be reviewed to verify that 75% of the students earned a score of 80% or higher on the final exam for the two MST courses.

75% of the students will have earned an average score of 70% or higher on the rubric.

Employers will rate 80% of the students at the level of good/proficient or above on each survey item.

3. Indicate who will score and analyze the data.

Faculty members and advisory committee members will review the exams, laboratory rubric and survey results and blind score the results to calculate the success rate.

4. Explain how and when the assessment results will be used for program improvement.

Faculty members and advisory committee members will review the feedback to identify any areas of weakness in the performance of the assessment sample. Adjustments will be made to instruction to improve instruction.

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Michael R. Shute		11/16/2006
Dean	Bruce Greene		11/16/2006
Vice President for Instruction ☐ Approved for Development ☒ Final Approval			11/22/07
President			1/23/07
Board Approval			

Logged 11/17/06 sej ✓
DE 2/8/07

Program Information Report

Automotive Technologies

Motorcycle Service Technology II (CVMST2)

Advanced Certificate **UNDER CONSTRUCTION**

Program Effective Term: **Fall 2007**

The purpose of the Motorcycle Service Technology II Advanced Certificate program is to improve the student's skills as a motorcycle technician. Emphasis is placed on engine performance technology, dynamometer operations, and welding.

Program Admission Requirements:
Completion of the Motorcycle Service Technology I Certificate.

Major/Area Requirements		**(10 credits)**
MST 210	Performance Engine Technology	4
MST 220	Dynamometer Operations	4
WAF 103	Heli-ARC Welding	2

Minimum Credits Required for the Program: **10**