### PROGRAM ASSESSMENT PLAN CHANGE FORM

Program Code: APOETT	<b>Program Title:</b> Transportation Technologies	Effective Term: Fall
	(APOETT)	2024

### List the outcome(s) to be revised, and identify changes (add rows as needed):

Learning outcomes to be assessed Demonstrate the mastery of skills	ATT 282 Capstone course project ATT 284 capstone	When assessment will take place Fall 2028	Course/other populations All sections of ATT 282 and ATT 284	Number of students to be assessed All students
related to the student's technical concentration	course project ABR 123 capstone course project ASV 256 capstone course project ASV 258 capstone course project		All Sections of ABR 123 All Sections of ASV 256 and 258	
Apply critical thinking skills to solve an identified problem in the student's technical concentration.	ATT 284 Capstone course project ATT 286 capstone course project ABR 123 capstone course project ASV 256 capstone course project ASV 258 capstone course project	Fall 2028	All sections of ATT 284 and ATT 286 All sections of ABR 123 All sections of ASV 256 and 258	All students
Demonstrate and apply required industry- related safety standards.	ATT 282 Capstone course project ATT 284 capstone course project ABR 201 capstone course project ASV 256 capstone course project ASV 258 capstone course project	Fall 2028	All sections of ATT 282 and ATT 284 All sections of ABR 201 All sections of ASV 256 and 258	All students

### Scoring and analysis of assessment:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally-developed rubric, answer key, checklist, other). Please attach rubric if available.

All outcomes will be scored using a departmentally-developed rubric(s).

## **PROGRAM ASSESSMENT PLAN CHANGE FORM**

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

On all outcomes, 70% of all students will score 70% or higher on the outcome-related rubric items.

3. Indicate who will score and analyze the data:

**Departmental Faculty** 

# Signatures:

Reviewer	Print Name	Signature	Date
Initiator	Shawn Deron	$\langle \cdot \rangle$	1/31/24
Department Chair	Rocky Roberts	Rochy Robert	2/2/24
Division Dean/Administrator	Jimmie Baber	Jimmie Baber	2/2/24
Please return co	mpleted form to the Office	e of Curriculum & Assessment, SC	<mark>257</mark>
or	by e-mail to curriculum.a	ssessment@wccnet.edu	
Curriculum Committee Chair	Randy Van Wagnen	Konh	2-12-24
Assessment Committee Chair	Jessica Hale	Thale	2/13/24
		Beviewed by C&A committe	es on 2/8/24

Reviewed by C&A committees on 2/8/24

### **PROGRAM ASSESSMENT PLANNING FORM**

#### Program to be assessed:

Title: AP Division: ATP	OETT Department:	Transportation	Technologies	Program	a Code: APOETT
Type of Award:	□ A.A. □ A.S □ Cert.		.S.	Cert.	Cert. of Completion

Assessment plan:

Learning outcomes to be assessed	Assessment tool	When assessment will take place	Describe population to be assessed	Number of students to be assessed
Demonstrate the mastery of skills related to the student's technical concentration.	MST 140 Capstone course project MST 225 capstone course project ABR 123 capstone course project ASV 256 capstone course project ASV 258 capstone course project	Fall 2024	All Sections of MST 140 and MST 225 All Sections of ABR 123 All Sections of ASV 256 and 258	All Students
Apply critical thinking skills to solve an identified problem in the student's technical concentration.	MST 140 Capstone course project MST 225 capstone course project ABR 123 capstone course project ASV 256 capstone course project ASV 258 capstone course project	Fall 2024	All Sections of MST 140 and MST 225 All Sections of ABR 123 All Sections of ASV 256 and 258	All Students
Demonstrate and apply required industry- related safety standards.	MST 140 Capstone course project MST 225 capstone course project ABR 201 capstone course project ASV 256 capstone course project ASV 258 capstone course project	Fall 2024	All Sections of MST 140 and MST 225 All Sections of ABR 201 All Sections of ASV 256 and 258	All Students

## Scoring and analysis of assessment:

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

All outcomes will be scored using a departmentally-developed rubric(s).

### **PROGRAM ASSESSMENT PLANNING FORM**

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

On all outcomes, 70% of all students will score 70% or higher on the outcome-related rubric items.

3. Indicate who will score and analyze the data (data must be blind-scored).

Department faculty

Submitted by: HAWNL 12.2019 Date: Name: Print/Signature Justin Marginistar Date:\_ Dept. Chair: A Print/Signa anda Date: Dcan: Print/Signature

Please return completed form to the Office of Curriculum & Assessment, SC 257.

### **Program Information Report**

## Manufacturing & Automotive

## Transportation Technologies (APOETT)

Associate in Applied Science Degree

Program Effective Term: Fall 2020

#### High Demand Occupation High Skill Occupation High Wage Occupation

In this AAS degree, students have a choice to follow any of three different specialty tracks that will prepare them for employment in the transportation industry. This option can be selected if an associate's degree is required for employment or advancement in a field. Each track features a variety of application level classes where students perform lab-oriented practice for the required skills in the automotive service related, auto body repair or motorcycle service fields. Students will learn using the latest technology, methods and tooling in their area of concentration.

Students will select a specialized track in one of the following areas, each of which has its own associated certificated program(s): Auto Service, Auto Body or Motorcycle Service. The program prepares the student for the State of Michigan Mechanics Certification tests as well as the National Institute for Automotive Service Excellence (ASE) Certification Exams. Meet with a divisional advisor or faculty.

#### **Program Admission Requirements:**

Academic Reading and Writing Levels of 6; Academic Math Level 3

#### Minimum Concentration Credits Required for the Program:

Select a specialized track in one of the following areas, each of which has its own associated certificated program(s): Auto Service, Auto Body or Motorcycle Service.

#### **Transportation Technologies Concentrations**

Auto Body (AB	BDY)	(60 credits)
First Semester	r	(16 credits)
ABR 111	Introduction to Auto Body Repair	4
ABR 112	Introduction to Automotive Refinishing	4
ABR 114	Applied Auto Body Welding	2
Elective	Writing Elective(s)	3
Elective	Math Elective(s)	3
Second Semes	ster	(16 credits)
ABR 113	Estimating and Shop Operations	4
ABR 119	The Art of Metal Shaping	2
ABR 123	Technical Auto Body Repair	4
ABR 124	Technical Automotive Refinishing	4
	Restricted Elective(s): Select a minimum of 2 credits from ABR 116, ABR 130, ABR 231, MST 106, or 230.	MST 2
Third Semeste	r	(16 credits)
ABR 140	Aluminum Welding for Automotive Applications	4
ABR 135 or	Collision-Related Mechanical and Electrical Repairs	
ASV 130	Automotive Maintenance	4
	Restricted Elective(s): Select a minimum of 2 credits from ABR 116, ABR 130, ABR 231, MST 106, or 230.	MST 2
Elective	Speech/Comp. Elective(s)	3
Elective	Arts/Human. Elective(s)	3
Fourth Semest	ter	(12 credits)
ABR 201	Lightweighting Composite Repair	4
	Restricted Elective(s): Select a minimum of 2 credits from ABR 116, ABR 130, ABR 231, MST 106, or 230.	MST 2
Elective	Nat. Sci. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3

#### Minimum Credits Required for the Concentration or Option: 60

Tuesday, May 26, 2020 1:52:12 p.m.

60

## **Program Information Report**

Auto Service (A	(SVC)	(61 credits)
First Semester		(16 credits)
ASV 130	Automotive Maintenance	4
ASV 131	Automotive Electrical	4
ASV 131	Restricted Electives: Select a minimum of 2 credits from ABR 111, ABR 114, ASV 174, ASV 269, ASV ASV 277, ASV 279, CST 185, MST 110, MTT 102, or WAF 105.	
Elective	Math Elective(s)	3
Elective	Writing Elective(s)	3
Second Semest	er	(17 credits)
ASV 132	Automotive Engines	4
ASV 133	Automotive Fuel Systems	4
ASV 133	Automotive Transmissions	4
ASV 135	Facility Operations	3
100 100	Restricted Elective(s): Select a minimum of 2 credits from ABR 140 or WAF 103.	2
Third Semester		(16 credits)
ASV 254	Suspension and Steering	2
ASV 255	Brakes	2
ASV 255	Electrical and Electronic Systems	4
ASV 258	Engine Drivability	2
Elective	Speech/Comp Elective(s)	3
Elective	Arts/Human Elective(s)	3
Fourth Semeste	er	(12 credits)
ASV 251	Engine Diagnosis and Repair	2
ASV 257	Heating and Air Conditioning Systems	2
ASV 266	Advanced Transmissions	2
Elective	Nat, Sci, Elective(s)	3
Elective	Soc. Sci. Elective(s)	3
Minimum Credi	ts Required for the Concentration or Option: 61	
Motorcycle Ser		(60 credits)
Motor cycle Ser		
		(,
First Semester		
First Semester MST 110	Motorcycle Service Technology I	(16 credits)
	Applied Auto Body Welding	<b>(16 credits)</b> 4
MST 110	Applied Auto Body Welding Introduction to Welding Processes	(16 credits) 4 2
MST 110 ABR 114 or WAF 105	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112.	(16 credits) 4 2 r MST 4
MST 110 ABR 114 or	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s)	(16 credits) 4 2 r MST 4 3
MST 110 ABR 114 or WAF 105	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112.	(16 credits) 4 2 r MST 4 3
MST 110 ABR 114 or WAF 105 Elective	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s)	(16 credits) 4 2 r MST 4 3 3 (14 credits)
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Math Elective(s) Motorcycle Service Technology II	(16 credits) 4 2 r MST 4 3 3 (14 credits)
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 130	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Math Elective(s) Rer Motorcycle Service Technology II Motorcycle Service Technology III	(16 credits) 4 2 r MST 4 3 3 3 (14 credits) 4
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Math Elective(s) Motorcycle Service Technology II	(16 credits) 4 2 r MST 4 3 3 3 (14 credits) 4
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 130	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Math Elective(s) <b>Ter</b> Motorcycle Service Technology II Motorcycle Service Technology III Machining for the Technologies Advanced Motorcycle Fabrication	(16 credits) 4 r MST 4 3 3 (14 credits) 4 4 2
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 130 MTT 102 or	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Math Elective(s) <b>rer</b> Motorcycle Service Technology II Motorcycle Service Technology III Machining for the Technologies	(16 credits) 4 r MST 4 3 3 (14 credits) 4 4 2
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 130 MTT 102 or	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Math Elective(s) <b>Ter</b> Motorcycle Service Technology II Motorcycle Service Technology III Machining for the Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112.	(16 credits) 4 r MST 4 3 3 (14 credits) 4 4 2
MST 110 ABR 114 or WAF 105 Elective Elective MST 120 MST 130 MTT 102 or MST 230	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Math Elective(s) <b>Ter</b> Motorcycle Service Technology II Motorcycle Service Technology III Machining for the Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or	(16 credits) 4 MST 4 3 3 (14 credits) 4 4 4 MST 2
MST 110 ABR 114 or WAF 105 Elective Second Semest MST 120 MST 130 MTT 102 or MST 230 ABR 140 or	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) <b>rer</b> Motorcycle Service Technology II Motorcycle Service Technology III Machining for the Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Aluminum Welding for Automotive Applications Introduction to Gas Tungsten Arc Welding	(16 credits) 4 7 MST 4 3 3 3 (14 credits) 4 4 4 4 2 MST 2 2
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 130 MTT 102 or MST 230 ABR 140 or WAF 103	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) <b>Fer</b> Motorcycle Service Technology II Motorcycle Service Technology III Machining for the Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Aluminum Welding for Automotive Applications Introduction to Gas Tungsten Arc Welding	(16 credits) 4 MST 4 (14 credits) 4 4 4 4 2 MST 2 2 (16 credits)
MST 110 ABR 114 or WAF 105 Elective Second Semest MST 120 MST 130 MTT 102 or MST 230 ABR 140 or WAF 103 Third Semester	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) <b>Per</b> Motorcycle Service Technology II Motorcycle Service Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Aluminum Welding for Automotive Applications Introduction to Gas Tungsten Arc Welding Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or	(16 credits) 4 MST 4 (14 credits) 4 MST 2 (16 credits) 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 120 MST 130 MTT 102 or MST 230 ABR 140 or WAF 103 Third Semester MST 140 MST 220	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Ter Motorcycle Service Technology II Machining for the Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Aluminum Welding for Automotive Applications Introduction to Gas Tungsten Arc Welding Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112.	(16 credits) 4 MST 2 4 3 3 3 (14 credits) 4 4 4 2 5 2 2 2 2 2 4 4 4 4 3 3 3 3 3 3 3 3 3 3 3
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 130 MTT 102 or MST 230 ABR 140 or WAF 103 Third Semester MST 140	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) <b>Per</b> Motorcycle Service Technology II Motorcycle Service Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Aluminum Welding for Automotive Applications Introduction to Gas Tungsten Arc Welding Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or	(16 credits) 4 MST 4 4 4 4 4 4 4 4 4 4 4 4 4 5 4 4 4 5 2 2 4 4 4 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 130 MTT 102 or MST 230 ABR 140 or WAF 103 Third Semester MST 140 MST 220 Elective Elective	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Math Elective(s) Motorcycle Service Technology II Motorcycle Service Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Aluminum Welding for Automotive Applications Introduction to Gas Tungsten Arc Welding Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Speech/Comp. Elective(s) Arts/Human. Elective(s)	(16 credits) 4 m MST 4 4 (14 credits) 4 4 4 4 4 4 4 4 4 4 5 4 4 4 4 5 4 4 4 4 4 5 5 6 6 16 credits) 4 4 4 4 4 5 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 130 MTT 102 or MST 230 ABR 140 or WAF 103 Third Semester MST 140 MST 220 Elective Elective Elective	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Meth Elective(s) Motorcycle Service Technology II Motorcycle Service Technology III Machining for the Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Aluminum Welding for Automotive Applications Introduction to Gas Tungsten Arc Welding Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Speech/Comp. Elective(s) Arts/Human. Elective(s)	(16 credits) 4 MST 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 4 4 4 4 4 5 4 4 4 4 4 5 4 4 4 4 4 5 4 4 4 4 4 5 5 6 16 credits) 4 4 4 4 4 4 4 4 4 4 5 7 10 10 10 10 10 10 10 10 10 10 10 10 10
MST 110 ABR 114 or WAF 105 Elective Second Semest MST 120 MST 120 MST 230 ABR 140 or WAF 103 Third Semester MST 140 MST 220 Elective Elective Elective	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a mimimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) Methodocycle Service Technology II Motorcycle Service Technology III Motorcycle Service Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Aluminum Welding for Automotive Applications Introduction to Gas Tungsten Arc Welding Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Speech/Comp. Elective(s) Arts/Human. Elective(s)	(16 credits) 4 MST 2 4 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4
MST 110 ABR 114 or WAF 105 Elective Elective Second Semest MST 120 MST 130 MTT 102 or MST 230 ABR 140 or WAF 103 Third Semester MST 140 MST 220 Elective Elective Elective	Applied Auto Body Welding Introduction to Welding Processes Restricted Elective(s): Select a minimum of 4 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Writing Elective(s) Math Elective(s) er Motorcycle Service Technology II Motorcycle Service Technologies Advanced Motorcycle Fabrication Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Aluminum Welding for Automotive Applications Introduction to Gas Tungsten Arc Welding Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Motorcycle Service Technology IV Dynamometer Operations Restricted Elective(s): Select a minimum of 2 credits from ABR 119, ABR 201, ASV 130, MST 106, or 112. Speech/Comp. Elective(s) Performance Engine Technology Advanced Dynamometer Tuning Systems	(16 credits) 4 MST 4 (14 credits) 4 4 4 4 4 2 MST 2 (16 credits) 4 4 4 4 4 4 4 4 4 4 4 4 4

# **Program Information Report**

Elective	Nat. Sci. Elective(s)	3
Elective	Soc. Sci. Elective(s)	3

Minimum Credits Required for the Concentration or Option: 60

Minimum Credits Required for the Program:

60

## Washtenaw Community College

# PROGRAM PROPOSAL FORM

r

- **X 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:	Transportation Technologies (APOETT)	Program Code:
Division and Department:	ATP Division - Transportation Technologies	
Type of Award:		APOETT
Effective Term/Year:	□ Cert. □ Adv. Cert. □ Post-Assoc. Cert. □ Cert. of Comp.	
Initiator:	<u>Fail 2020</u>	CIP Code:
	Transportation Technologies Faculty (Atlen Day, Robert Lowing, Shawn Deron)	47.0604
Program Features Program's purpose and its goals.	This program is intended to allow for a degree path for the newly combined/formed Transportation Technologies Department.	
Criteria for entry into the program, along with projected enrollment figures. Connection to other WCC programs, as well as accrediting agencies or professional organizations.	This program allows students to design a program of study to meet needs, and is a desirable option for students who are focusing on a the transportation industry. This program allows for customization of coursework to meet the requirements of the transfer college or univ advisor can help students determine interests, career and education as well as provide transfer and career information.	a career in of versity. An nal goals,
Special features of the program.	Students will select a specialized track in one of the following areas which currently has its own certificate programs.	s, each of
	Automotive Service (CTASVT, CVASV2) Auto Body Repair (CTAUBR) Motorcycle Service Technology (CTMST1, CVMST2)	
Need Need for the program with evidence to support the stated need.	Employers in the transportation sectors are experiencing a gap bet supply of skilled workers and the demand for job ready employees, currently lists over 80,000 job openings around the United States ir and over 2,000 in Michigan. The Bureau of labor statistics anticipat average projected growth (4-9%) between 2018-2028. The median 2019 was \$15,00-\$24,50 hourly or \$36,790 to \$47,350 annually. Th program is the combination of several existing programs that have successfully at WCC. All of these programs are active and have gra every academic year. This program proposal (APOETT) will be acc with program updates(CTAUBR, CTASVT) and proposal (CVASV2) streamline a student's chosen concentration within the Transportati Technologies Department. All of the proposed programs and progr focus on a guided pathway for students to complete certificates and for their selected concentrations. These proposals and updates are produce a better prepared student for employment opportunities ar increased completion rate.	Indeed.com these fields es an salary in his degree existed aduates ompanied to align and on am updates d degrees intended to

Program Outcomes/Assessment	Outcomes	Assessmentmethod
State the knowledge to be gained, skills to be learned, and attitudes to	1. Demonstrate the mastery of skills related to the student's technical concentration,	1. Technical artifacts embedded in the certificate capstone courses within the chosen concentration.
be developed by students in the program.	2. Apply critical thinking skills to solve an identified problem in the student's technical concentration.	2.Technical artifacts embedded in the certificate capstone courses within the chosen concentration,
Include assessment methods that will be used to determine the effectiveness of the program.	3. Demonstrate and apply required industry related safety standards.	3.Technical artifacts embedded in the certificate capstone courses within the chosen concentration.

Curriculum	Please see the attached spre concentration.	adsheet for the	semester brea	ikdown for ea	ach
ist the courses in the program as they should appear in the catalog. List ninimum credits required. Include any notes that should appear below the sourse list.					
Associate degree programs must provide a semester by semester program layout.					à
ludget					
specify program costs in the following		START-UF	COSTS	ONGO	DING COSTS
reas, per academic year:	Faculty	\$	•	\$	
<ul> <li>All of the programs that are</li> </ul>	Training/Travel				
involved are already established and currently have	Materials/Resources		5. <b>4</b>		
an existing budget. The	Facilities/Equipment		•		•
ongoing coast are already forecast into the current	Other		о <u>к</u>		
budget.	TOTALS:	\$		\$	
rogram Description for Catalog nd Web site	In this AAS Degree, student specialty tracks that will pre industry. This option can be employment or advancement application level classes wh required skills in the automo service fields. Students will tooling in their area of conce Students will select a special which has its own Associated	pare them for selected if an nt in a field. Ea ere students p bive service re learn using the ntration.	employment associate's c ach track feat erform lab-o elated, auto b a latest techn one of the fol	in the trans degree is re- ures a varie riented prac ody repair c ology, meth	portation quired for ety of etice for the or motorcycle ods and
	<ul> <li>Auto Service</li> <li>Auto Body</li> <li>Motorcycle Service</li> <li>The program prepares the s Certification tests as well as</li> </ul>	tudent for the	State of Mich	nigan Mecha	anics
ce of Curriculum & Assessme	Excellence (ASE) Certification	on Exams. Me	et with a divi	sional advis	or or faculty

	advisor for assistance in developing a concentration of study. An advisor can help determine career interests and educational goals, as well as provide transfer and career information.
Program Information	Accreditation/Licensure -
	Advisors - Allen Day, Justin Morningstar, Bob Lowing, Tim VanSchoick, Shawn Deron, Niki Lee
	Advisory Committee - Automotive - Auto Body
	Admission requirements - College entry scores in Math (3), Reading (6) and Writing(6)
	Articulation agreements - None
	Continuing eligibility requirements -

### Assessment plan:

Program outcomes to be assessed	Assessment tool	When assessment will take place	Courses/other populations	Number of students to be assessed
Demonstrate the mastery of skills related to the students technical concentration.	MST 140 Capstone course project MST 225 capstone course project ABR 123 capstone course project ASV 256 capstone course project ASV 258 capstone course project	Fall 2024	All Sections of MST 140 and MST 225 All Sections of ABR 123 All Sections of ASV 256 and 258	All Students
Apply critical thinking skills to solve an identified problem in the students technical concentration.	MST 140 Capstone course project MST 225 capstone course project ABR 123 capstone course project ASV 256 capstone course project ASV 258 capstone course project	Fall 2024	All Sections of MST 140 and MST 225 All Sections of ABR 123 All Sections of ASV 256 and 258	All Students
Demonstrate and apply required industry related safety standards.	MST 140 Capstone course project MST 225 capstone course project ABR 201 capstone course project ASV 256 capstone course project ASV 258 capstone course project	Fall 2024	All Sections of MST 140 and MST 225 All Sections of ABR 201 All Sections of ASV 256 and 258	All Students

Program Proposal

## 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.

All outcomes will be scored using a departmentally developed rubric(s)

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

On all outcomes 70% of all students will score 70% or higher on the outcome related rubric items.

3. Indicate who will score and analyze the data.

Department Faculty.

PRINT NAME	SIGNATURE	DATE
Augen Day Morningfur	Canton ( Canton	12/12/2019
Brandon Tuck	Mes	infolic
Alsaveascy	Lisalread	1/30/20
mpleted form to the Office of riate faculty committees, we	Curriculum and Assessment (SC 25) will secure the signature of the VPI a	7). nd President.
Kimberly Hurns	toumly	2/3/2020
Rose Bellanca	here B. Bellener	5/20/20
		4/28/20
	HUEN KI Modulation Brandon Tude M(SaVeascy mpleted form to the Office of riate faculty committees, we Kimberly Hurns	Auswight       Auswight       Auswight       Auswight         Brander Turk       Auswight       Auswight       Auswight         Alsa Veasey       Auswight       Auswight       Auswight         Alsa Veasey       Auswight       Auswight       Auswight         mpleted form to the Office of Curriculum and Assessment (SC 257)       Friate faculty committees, we will secure the signature of the VPI a         Kimberly Hurns       KomM       Auswight

*Office of Curriculum & Assessment* Form 2018

Program Proposal

	ASV (	DETT			MST C	DETT			ABR (	DETT	
1st Semester		3rd Semester		1st Semester		3rd Semester		1st Semester		3rd Semester	
ASV 130	4	ASV 254	2	MST 110	4	MST 140	4	ABR 111	4	ABR 135 or ASV 130	4
ASV 131	4	ASV 255	2	Restrictied Electives 2	4	MST 220	4	ABR 112	4	ABR 140	4
Restrictied Electives 1	3	ASV 256	4	ABR 114 or WAF 105	2	Restrictied Electives 2	2	ABR 114	2	Restrictied Electives 3	2
Math	3	ASV 258	2	Math	3	Arts/Humanity	3	Math	3	Arts/Humanity	3
Writing/Composisiton	2	Arts/Humanity	3	Writing/Composisiton	3	Writing/Composisiton	3	Writing/Composisiton	3	Writing/Composisiton	3
Total	16	Writing/Composisiton	3	Total	16	Total	16	Total	16	Total	16
		Total	16								
2nd Semester		4th Semester		2nd Semester		4th Semester		2nd Semester		4th Semester	
ASV 135	2	ASV 257	2	MST 120	4	MST 225	4	ABR 123	4	ABR 201	4
ASV 132	4	ASV 264	2	MST 130	4	MST 210	4	ABR 124	4	Restrictied Electives 3	2
ASV 133	4	ASV 251	2	MTT 102 or MST 230	2	Natual Sciences	3	ABR 113	4	Natual Sciences	3
ASV 134	4	Natual Sciences	3	Restrictied Electives 2	2	Social/Behavorial	3	ABR 119	2	Social/Behavorial	3
Restrictied Electives 4	2	Social/Behavorial	3	ABR 140 or WAF 103	2	Total	14	Restrictied Electives 3	2	Total	12
Total	16	Total	12	Total	14			Total	16		
		Total	60			Total	60			Total	60
RE list 1 - ASV 174 AS	/ 269 AS	SV 270, ASV 277, ASV 279,		RF list 2 - ABR 119 ABR	R 201 AS	V 130, MST 106, MST 112		RF list 3 - ABR 116 AB	R 130 AF	3R 231, MST 106, MST 230	
	200,70				201,710				11 100,712		
RE list 4 - ABR 140, WA	F 103										