

**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.

<p><b>Program Name:</b></p> <p><b>Division and Department:</b></p> <p><b>Type of Award:</b></p> <p><b>Effective Term/Year:</b></p> <p><b>Initiator:</b></p>	<p><u>Automotive Service Technology</u></p> <p><u>Vocational Technologies / Automotive Service</u></p> <p><input type="checkbox"/> AA   <input type="checkbox"/> AS   <input checked="" type="checkbox"/> AAS  <input type="checkbox"/> Cert.   <input type="checkbox"/> Adv. Cert.   <input type="checkbox"/> Post-Assoc. Cert.   <input type="checkbox"/> Cert. of Comp.</p> <p><u>Fall 2012</u></p> <p><u>Allen Day</u></p>	<p><b>Program Code:</b></p> <p><u>APASRY</u></p> <p><b>CIP Code:</b></p> <p><u>47.0604</u></p>
<p><b>Program Features</b>          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.</p>	<p>By providing students with an associate degree option, we better prepare them as employees and improve their options for employment. Students who plan to advance within their field also need non-technical skills such as writing and communication which is not part of the certificate program.</p> <p>This new program uses the existing Automotive Services Certificate program and adds the general education component to create an Associate of Applied Science in Automotive Services.</p>	
<p><b>Need</b>           Need for the program with evidence to support the stated need.</p>	<p>The Bureau of Labor Statistics projects a continued employment growth of 5% between 2008 and 2018.</p> <p>In addition, we have direct contact with our local employers such as the Toyota Technical Center (Willis, MI), Roush Engineering (Dearborn, MI), Lotus Engineering (Ann Arbor, MI), and GM Powertrain (Pontiac, MI) who have recently hired our students. They are specifically interested in students that are pursuing or receiving an Automotive Technology Degree rather than a certificate. There is demonstrated market need for students with an Automotive Technology degree, and these employers express interest in continuing to hire our students if they meet the criteria.</p>	

4/19/12 done

Office of Curriculum & Assessment

AW logged 2/2/12

<b>Program</b> <b>Outcomes/Assessment</b>	<b>Outcomes</b>	<b>Assessment method</b>
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.	<ol style="list-style-type: none"> <li>1. Diagnose, repair and service mechanical, hydraulic and electrical engine components.</li> <li>2. Diagnose, repair and service major suspension, steering and brake components.</li> <li>3. Students completing the Automotive Service Technology program will gain automotive-related employment.</li> </ol>	<ol style="list-style-type: none"> <li>1. NATEF Checklist</li> <li>2. NATEF Checklist</li> <li>3. Graduation Survey</li> </ol>

<b>Curriculum</b>	<b>General Education</b>	<b>21 – 24 credits</b>
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.	Writing	3 – 4 credits
	Speech	3 credits
	Mathematics	3 – 4 credits
	Natural Science	3 – 4 credits
	Social and Behavioral Science	3 credits
	Arts and Humanities	3 credits
	Computer and Information Literacy	3 credits
	<b>Major Area</b>	<b>36 credits</b>
	ASV 151 Automotive Service I	4 credits
	ASV 152 Automotive Service II	4 credits
	ASV 153 Automotive Service III	4 credits
	ASV 154 Automotive Service IV	4 credits
	ASV 155 Automotive Service V	4 credits
	ASV 254 Suspension and Steering	2 credits
	ASV 255 Brakes	2 credits
ASV 256 Electrical and Electronic Sys	4 credits	
ASV 258 Engine Drivability	2 credits	
<i>Select 2 credits from the following:</i>	2 credits	
ABR 116, ASV 157, MTT 102, WAF 105		
<i>Select 4 credits from the following:</i>	4 credits	
ASV 157, ASV 174, ASV 251, ASV 252, ASV 253, ASV 257, ASV 259, ASV 261, ASV 262, ASV 263, ASV 269		
<b>Complete electives to total 60 credits</b>	<b>3 - 0 credits</b>	
<b>Minimum Credits</b>	<b>60 credits</b>	

<b>Budget</b> Specify program costs in the following areas, per academic year:		<b>START-UP COSTS</b>	<b>ONGOING COSTS</b>
	<b>Faculty</b>	\$ .	\$ .
	<b>Training/Travel</b>	.	.
	<b>Materials/Resources</b>	.	.
	<b>Facilities/Equipment</b>	.	.
	<b>Other</b>	.	.
	<b>TOTALS:</b>	<b>\$ No change</b>	<b>\$ No change</b>
<b>Program Description for Catalog and Web site</b>	This AAS degree program prepares students for employment in an automotive related technical position or as a certified automotive technician. Students will diagnose and repair malfunctions in automobile engines, suspensions and steering systems, brakes, electrical and electronic systems and engine drivability issues. This program also offers opportunities to explore vehicle performance, diesel, alternative fuel and hybrid vehicles and to participate in the building of performance vehicles. The program prepares the student for the State of Michigan Mechanic Certification tests as well as the National Institute for Automotive Service Excellence (ASE) Certification Exams.		

**Assessment plan:**

<b>Program outcomes to be assessed</b>	<b>Assessment tool</b>	<b>When assessment will take place</b>	<b>Courses/other populations</b>	<b>Number students to be assessed</b>
Diagnose, repair and service mechanical, hydraulic and electrical engine components.	NATEF Checklist	Fall 2015	All program graduates	All
Diagnose, repair and service major suspension, steering and brake components.	NATEF Checklist	Fall 2015	All program graduates	All
Students completing the Automotive Service Technology program will gain automotive-related employment.	Graduate survey	Fall 2015	All program graduates	All

**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.
  1. NATEF Checklist will be scored using a departmentally-developed rubric.
  2. Survey will be administered to all students within 12 months of graduation.
2. Indicate the standard of success to be used for this assessment.
  1. 80% of the students will score a 3 of 5 or higher on the NATEF task lists
  2. 70% of graduates will gain automotive-related employment.

3. Indicate who will score and analyze the data.

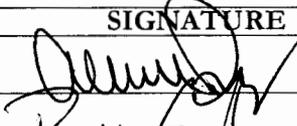
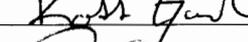
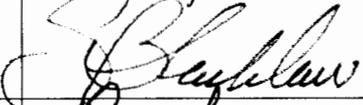
WCC full-time faculty will score and analyze the data.

The instructors in all classes are using the portfolio system in CTE3 and all data is tracked back to student's portfolio.

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

The Automotive Service Department full-time faculty will review and discuss assessment data after the participants have completed the Automotive Service Technology program. The assessment data analysis will be used to revise the program courses in the successive semesters.

The assessment is a daily assessment entered into CTE3.

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Allen Day		2/2/2012
Dean	Ross Gordon		2/2/2012
Vice President for Instruction <input type="checkbox"/> Approved for Development <input type="checkbox"/> Final Approval	Stuart Blacklaw		3/12/12
President	Rose Bellanca		3/23/12
Board Approval			4/24/12

## Program Information Report

## School of Automotive and Motorcycle Technology

If you are looking for the best technical training in the automotive or motorcycle field, 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 introductory and advanced certificate programs, as well as associate degrees, will enhance your personal and professional qualifications. These programs offer the perfect blend of classroom and hands-on education not available in many other educational settings.

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.

### Automotive Services

The automotive certificate prepares the student for work as an automotive services technician, diagnosing and repairing malfunctions in automobile systems.

#### Automotive Service Technology (APASRV)

##### Associate in Applied Science Degree

**Program Effective Term: Fall 2012**

This AAS degree program prepares students for employment in an automotive related technical position or as a certified automotive technician. Students will diagnose and repair malfunctions in automobile engines, suspensions and steering systems, brakes, electrical and electronic systems and engine drivability issues. This program also offers opportunities to explore vehicle performance, diesel, alternative fuel and hybrid vehicles and to participate in the building of performance vehicles. The program prepares the student for the State of Michigan Mechanic Certification tests as well as the National Institute for Automotive Service Excellence (ASE) Certification Exams.

ASV 151	Automotive Service I	4
ASV 152	Automotive Service II	4
	Math Elective(s)	3-4
	Writing Elective(s)	3-4
	Select 2 credits: ABR 116, ASV 157, MTT 102 or WAF 105	2

ASV 153	Automotive Service III	4
ASV 154	Automotive Service IV	4
ASV 155	Automotive Service V	4
	Computer Lit. Elective (s)	3

ASV 254	Suspension and Steering	2
ASV 255	Brakes	2
ASV 256	Electrical and Electronic Systems	4
ASV 258	Engine Drivability	2
	Speech	3
	Arts/Human. Elective(s)	3

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

**Program Information Report**

Restricted Elective(s) Select 4 credits from: ASV 157, ASV 174, ASV 251, ASV 252, ASV 253, ASV 257, ASV 259, ASV 261, ASV 262, ASV 263 or ASV 269 4  
Elective Complete electives to total 60 credits 3

**Minimum Credits Required for the Program: 60**