

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:	<u>Automotive Test Technician</u>	
Division and Department:	<u>ATP AUTD</u>	
Type of Award:	<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.	
Effective Term/Year:	<u>Fall 2015</u>	
Initiator:	<u>Allen Day</u>	
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.	<p>This program is being developed in coordination with the Skilled Trades Equipment grant. In this program, student will develop a technical background in both automotive component testing and defect analysis based on data acquisition. The student will gain experience in developing and validating engine and automotive component testing systems. Pre-production testing of components occurs before the engine is put together. Topics covered include fuel mapping and thermal efficiency.</p> <p>This program utilizes some existing courses from the automotive services (APASRV) associate degree program to provide the background for testing automotive components. Much of the work takes place in crash labs and other testing facilities.</p>	
Need Need for the program with evidence to support the stated need.	<p>This program is developed in coordination with the Skilled Trades Equipment grant and as a result of round table discussion with industry leaders. Three local employers, Toyota (Testing Center), Roush Industries and Ford Testing in Allen Park, who participated in the round table discussion, identified openings in automotive testing labs. These employers were able to identify the key knowledge and skills needed for students to be successful in this career field.</p>	
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.	<u>Outcomes</u> 1. Develop and complete an automotive testing sequence used in automotive part defect mapping. 2. Acquire, analyze and interpret test data. 3. Recognize and appropriately use advanced, lightweight automotive materials	<u>Assessment method</u> 1. ASV 270 Departmental Exam 2. ASV 270 Departmental Exam 3. ATC 203 Departmental Exam ATT

*MO logged 1/2/15 sj done 5/13/15 mo
Office of Curriculum & Assessment*

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.	Semester 1		15 - 16 Credits	
	Writing Elective		3-4 cr	
	MTT 102	Machining for Auto Applications	2 cr	
	ASV 131	Automotive Electrical	4 cr	
	ASV 132	Automotive Engines	4 cr	
	WAF 105	Introduction to Welding Processes	2 cr	
	Semester 2		15 Credits	
	Computer Literacy		3 cr	
	MEC 101	Modeling and Blueprint Reading	2 cr	
	ASV 135	Facility Operations	3 cr	
	ASV 256	Electrical and Electronic Systems	4 cr	
	Humanities Elective		3 cr	
	Semester 3		14 Credits	
	Speech Elective		3 cr	
	Math Elective		4 cr	
	WAF 200	Layout/Fabrication for AMC (override)	3 cr	
	ASV 277	Automotive Powertrain Systems	4 cr	
	Semester 4		15-16 credits	
	Physical Science Elective		4 cr	
	Social Science Elective		3 cr	
	ASV 270	Auto Test & Development	4 cr	
	ATC 203	Lightweight Materials in Transportation	3 cr	
	Elective Credits		to reach a minimum of 60 credits 1-2 cr	
	Total Program Credits		60	
	Semester 5 – Optional Courses to meet MTA		9 – 10	
	Social Science Elective		3 cr	
	Humanities Elective		3 cr	
	Physical Science Elective		3 – 4 cr	
	Total Program Credits		69 - 70	
	Budget Specify program costs in the following areas, per academic year:		START-UP COSTS	ONGOING COSTS
		Faculty	\$.	Future FT Instructor
		Training/Travel	.	.
Materials/Resources		.	\$600.00	
Facilities/Equipment		\$358,644.50*	\$2500.00	
Classified Faculty		.	.5 FTE	
TOTALS:		\$358,644.50*	\$ TBD	
	Potential Skilled Trades Equipment grant funding*			
Program Description for Catalog and Web site	In this program, students will be introduced to the test and data acquisition processes used in automotive testing. Students will learn to assemble and disassemble components for automotive testing. Diagnosis, maintenance, and proper operation of complex data acquisition equipment are essential. Students will learn to monitor and calibrate testing instruments. Job possibilities including working in a crash lab or other testing facility.			

Program Information	Accreditation/Licensure – ASE Tests
	Advisors - TBD
	Advisory Committee – In Development
	Admission requirements -
	Articulation agreements - TBD
	Continuing eligibility requirements -

Assessment plan:

Program outcomes to be assessed	Assessment tool	When assessment will take place	Courses/other populations	Number students to be assessed
Develop and complete an automotive testing sequence used in automotive part defect mapping.	ASV 270 Departmental Exam	Fall 2018	All sections of ASV 270	All students
Acquire, analyze and interpret test data.	ASV 270 Departmental Exam	Fall 2018	All sections of ASV 270	All students
Recognize and use advanced, lightweight automotive materials.	ATT ATG 203 Departmental Exam	Fall 2018	All sections of ATG 203 ATT	All students

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.


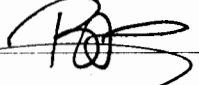
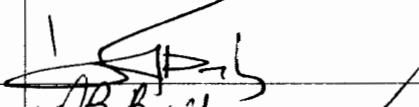

Exams will be scored using a departmentally-developed rubric and an answer key

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

75% of the students will score 70% or higher.

3. Indicate who will score and analyze the data.

Departmental faculty will analyze the data.

REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Allen Day		01/08/2015
Dean	Brandon Tucker		1/9/15
Vice President for Instruction <input type="checkbox"/> Approved for Development <input type="checkbox"/> Final Approval	William Abemethy		2/23/15
President	Rose Bellanca		2/23/15
Board Approval			3/24/15