

2021-22 ACADEMIC PROGRAMS

AUTOMOTIVE TEST TECHNICIAN (APATT)

Associate in Applied Science

In this program you will learn about the exciting technology-filled world of data acquisition processes used in automotive testing. You will learn the skills to fabricate and instrument-testing systems used for transportation development. You will utilize Washtenaw Community College's updated facilities to learn about technology rich topics such as chassis dynamometer testing and carbon fiber part construction. The skills you will acquire from this program will launch your career in one of our region's many research and development facilities.

This is a **high demand, high skill** and **high wage** program as defined by the [Michigan Community College Network](#).

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Description

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 include working in a crash lab or other testing facility.

Course Requirements

First Semester

Class	Title	Minimum Credits
ASV 131	Automotive Electrical	4
ASV 132	Automotive Engines	4
MTT 102	Machining for the Technologies	2
	Restricted Electives select a minimum of 2 credits: ABR 114 or WAF 105	2
Elective	Writing Elective(s)	3
Total		15

Second Semester

Class	Title	Minimum Credits
ASV 256	Electrical and Electronic Systems	4
CST 185	Local and Mobile Networking Essentials	4
	Restricted Electives select a minimum of 4 credits: ABR 111, ABR 140, ASV 174, ASV 251, ASV 257, ASV 269, ASV 279, MST 110, MTT 102, or WAF 103	4
Elective	Arts/Human. Elective(s)	3
Total		15

Third Semester

Class	Title	Minimum Credits
ASV 277	Automotive Powertrain Systems	4
Elective	Math Elective(s)	3
Elective	Speech/Comp. Elective(s)	3
Elective	Nat. Sci. Elective(s)	3
Total		13

Fourth Semester

Class	Title	Minimum Credits
ABR 201	Lightweighting Composite Repair	4
ASV 270	Automotive Test and Development	4
	Restricted Electives to reach minimum 60 credits: ABR 111, ABR 140, ASV 174, ASV 251, ASV 257, ASV 269, ASV 279, MST 110, MST 220, MTT 102, WAF 103	6
Elective	Soc. Sci. Elective(s)	3
Total		17

Total Credits Required: 60

Footnotes

*Students may elect to take optional courses in Semester 5 to meet MTA. Please refer to the WCC MTA Transfer Agreement web page for more information: <https://www.wccnet.edu/learn/transfer-wcc-credits/mta.php>.

Accurate as of 09/24/2021 Information is subject to change without notice.