

Automotive Technology-Vehicle Development Technician

The Vehicle Development Technician program is designed to provide students with the opportunity to develop the skills, knowledge and abilities required for entry level positions in the automotive industry. Students successfully completing this program will have the technical skills required to assist engineers in the development of electro-mechanical systems for the next generation of safe, efficient, intelligent vehicles.

Career Opportunities:

Vehicle Development Technician-Associate of Applied Science: A job title such as Engineering Technician is attainable upon completion of this course of study. To learn more from a career specialist, visit the Office of Career Services at either campus or explore online at www.onetonline.org.

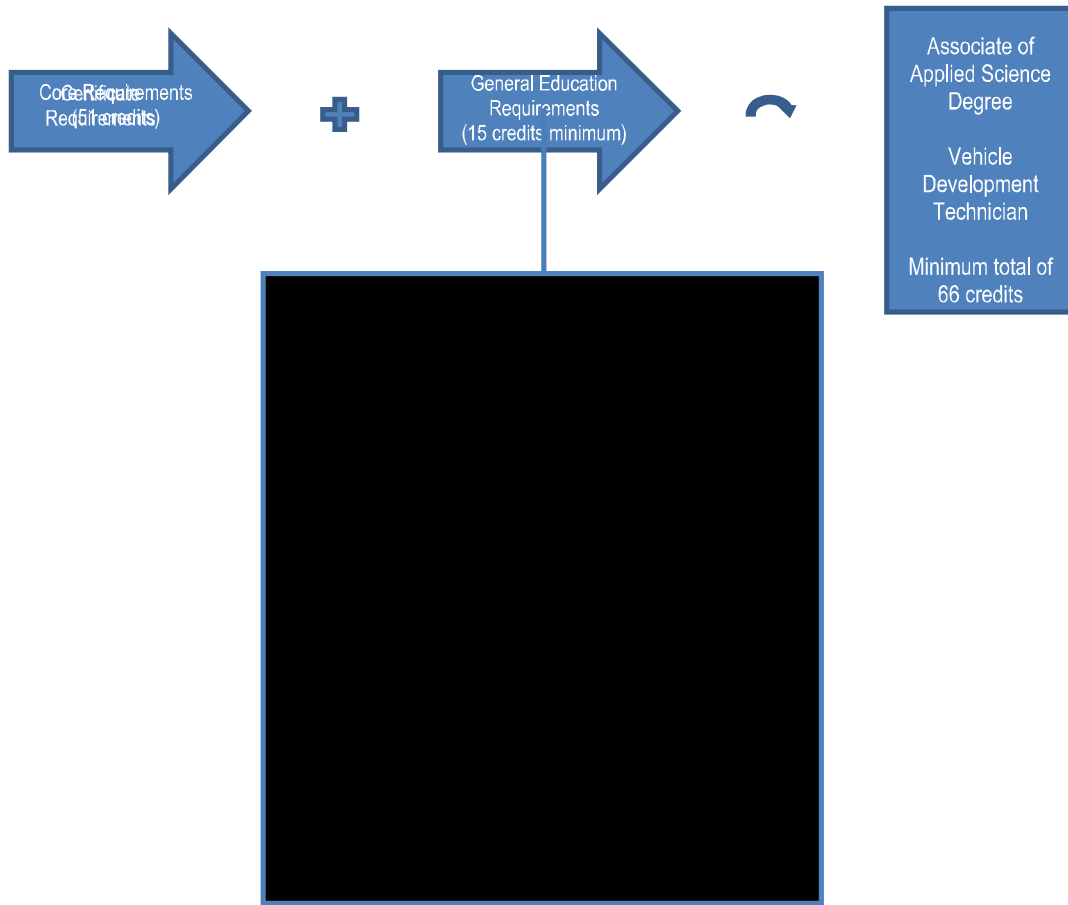
Career Preparation and Related Courses

		SUGGESTED SEQUENCE	CREDIT HOURS	CONTACT HOURS
Year 1 – Semester 1				
AUTO 1000	Automotive Systems*	■ □ □ □	3	48
TMTH 1150	RCL Analysis	■ □ □ □	4	64
ELEC 1161	Electronic Technology 1	■ □ □ □	3	48
ELEC 1171	Electronic Technology 2	■ □ □ □	3	48
GEN ED	Group 1.A(AAS,ABA) Variable Credit Hours	■ □ □ □	2-4	32-64
Year 1 – Semester 2				
AUTO 1040	Automotive Electrical I	□ ■ □ □	3	48
AUTO 1200	Automotive Engines	□ ■ □ □	3	48
ELEC 1211	Digital Electronics Basics	□ ■ □ □	3	48
ITCS 1140	Introduction to Program Design & Development	□ ■ □ □	4	64
GEN ED	Group II (AAS,ABA) Variable Credit Hours (Recommend PHYS 1180)	□ ■ □ □	2-4	32-64
Year 2 – Semester 1				
AUTO 1050	Automotive Electrical II	□ □ ■ □	3	48
AUTO 1130	Automotive Steering & Suspension	□ □ ■ □	3	48
ELEC 2150	LabVIEW Basics I	□ □ ■ □	3	48
ITNT 1500	Principles of Networking	□ □ ■ □	4	64
AUTO 1100	Automotive Brake Systems	□ □ ■ □	3	48
Year 2 – Semester 2				
PRDE 1250	Basic Blueprint Reading	□ □ □ ■	2	32
ELEC 2310	Vehicle Experimental Testing	□ □ □ ■	4	64
AUTO 2000	Connected, Automated & Intelligent Vehicles	□ □ □ ■	3	48
GEN ED	Group III (AAS,ABA) Variable Credit Hours (Recommend ECON 1160) Select 2.0-4.0 credit hours from GEN ED-Group I, GEN ED-Group II, GEN ED-Group III, or GEN ED-Group IV	□ □ □ ■	2-4	32-64
GEN ED	Group IV (AAS, ABA) Variable Credit Hours	□ □ □ ■	2-4	32-64
			Total	59-67 915-1072

*Exploratory Course. Critical Course minimum grade C is recommended for future success but is not required to receive credit.

SEE SECOND PAGE/REVERSE SIDE FOR ASSOCIATE DEGREE REQUIREMENTS

Vehicle Development Technician-Associate of Applied Science (Minimum 66 credit hours)



****Information is subject to change. Please visit www.macomb.edu for the most current information.****