

ASSOCIATE OF APPLIED SCIENCE DEGREE

HYBRID ELECTRIC VEHICLE TECHNOLOGY

Length: 21 Months

Students in this program will prepare for entry-level positions in the hybrid and/or electric vehicle field by acquiring the technical skills currently applicable to the industry. Students in this program will receive specialized education in not only gas-powered vehicles but, in addition, will learn specific techniques and skills related to repairing and troubleshooting vehicles powered by hybrid and electric components. They will also take a core of general education courses to augment their technical education.

MISSION STATEMENT: The Automotive Department's mission is to provide our students with technical training according to the standards set by the ASE Education Foundation to enable our students to be a viable commodity in the automotive field.

<u>Technical Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
AU118 Transportation Heating Ventilation Air Conditioning	120	6
AU122 Automotive Engine Diagnosis & Repair	120	6
AU123 Electrical & Electronics I	120	6
AU126 Suspension & Steering	120	6
AU228 Electrical & Electronics II	120	6
AU230 Automotive Engine Performance	120	6
AU232 Computerized Engine Control Systems	120	6
AU236 Hydraulic/Electric Braking	120	6
AU237 Electrical & Electronics III - Advanced Electronics	120	6
AU238 Advanced Technology Vehicles	120	6
UN295 Major Specific Capstone - Associate	<u>24</u>	<u>3</u>
Total Technical Hours	1224	63

<u>General Education & Related Requirements</u>	<u>Instructional Hours</u>	<u>Credit Hours</u>
CO179 Introduction to Human Communication	24	3
MH150 Technical Math	36	4
EN180 Composition I	48	5
PS274 The American Political Scene	24	3
PY177 Psychology	24	3
SC205 Earth Science	24	3
UN220 Introduction to Diversity Issues	24	3
MA234 Customer Relations Automated Management	48	3
EN200 Composition II	48	5
UN112 CoAT First-Year Experience	<u>11</u>	<u>2</u>
Total General Hours	311	34
TOTAL HOURS FOR GRADUATION	1535	97

*EN070 Basic English 48 3

*MH065 Review Math 48 3

*If the placement test is passed with a score of 70% or higher, course will not be required to graduate.