

ASSOCIATE DEGREE IN APPLIED SCIENCE

AUTOMOTIVE/DIESEL TECHNOLOGY

Length: 120 Weeks

Students in this program will prepare for entry-level positions in the automotive/diesel industry by acquiring both the technical and management skills currently applicable to the industry. 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 N.A.T.E.F. to enable our students to be a viable commodity in the automotive field. The Diesel Department's mission is to provide a quality education from its diverse courses, developing students into a knowledgeable and productive work force.

<u>Technical Requirements</u>		<u>Instructional Hours</u>	<u>Credit Hours</u>
AU116	Manual Drive Trains & Axles	120	6
AU117	Automatic Transmissions/Transaxle	120	6
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
AU127	Hydraulic Brake Systems	120	6
AU128	Electrical & Electronics II	120	6
	or		
DT128	Heavy Equipment & Vehicle Integrated Electronics	120	6
AU130	Automotive Engine Performance	120	6
AU132	Computerized Engine Control Systems	120	6
DT119	Theory & Techniques in Welding	120	6
DT124	Diesel Engine Diagnosis & Repair	120	6
DT126	Diesel Performance & Diagnosis	120	6
DT130	Truck Air Systems, Brakes & Preventive Maintenance	120	6
DT131	Truck Drive Trains	120	6
DT135	Diesel Engine Electronic Controls	120	6
	Total Technical Hours	1920	96
<u>Related Requirements</u>		<u>Instructional Hours</u>	<u>Credit Hours</u>
AM128	Customer Relations Automated Management	48	3
DP152	Applications of Word and Excel	36	3
	Total Related Hours	84	6
<u>General Education Requirements</u>		<u>Instructional Hours</u>	<u>Credit Hours</u>
CO179	Introduction to Human Communication	24	3
PS274	The American Political Scene	24	3
EN180	Composition I	48	5
SC112	Physical Science	48	5
EN200	Composition II	48	5
MH170	Technical Math	48	5
PY177	Psychology	24	3
UN220	Introduction to Diversity Issues	24	3
UN100	First Year Experience	12	1
UN292	Portfolio Capstone	12	1
	Total General Hours	312	34
	TOTAL HOURS FOR GRADUATION	2316	136

*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.

<u>Recommended Optional Courses</u>		<u>Instructional Hours</u>	<u>Credit Hours</u>
CDL101	Commercial Driver License I	120	6
CDL102	Commercial Driver License II	120	6
HP130	High Performance Engine Machining	120	6