

## **TRANSPORTATION TECHNOLOGY – LIGHT DUTY**

### **Associate of Applied Science, 66-69 Credit Hours, 18-Month Program**

The Transportation Technology program will provide education in most types of land transportation, vehicles, and construction equipment to include cars, trucks, tractors, construction equipment, and mining equipment. Students will have the option of selecting light vehicle or heavy equipment tracks. This program will provide a broader preparation for the mechanical occupations with separate focuses on light and heavy duty vehicles.

<b>Course No.</b>	<b>Course Title</b>	<b>Credits</b>
<b>General Education Requirements</b>		
CIS 105	MICROCOMPUTER SOFTWARE APPLICATIONS I	3
ENGL 201	TECHNICAL WRITING I*	3
MATH 100	ELEMENTARY ALGEBRA**	3
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
SOC 100	INTRODUCTION TO SOCIOLOGY	3
	<b>Total</b>	<b>15</b>
<b>Technical Requirements for Light Duty</b>		
TTT 110	VEHICLE ELECTRICITY AND ELECTRONICS	4
TTT 112	VEHICLE ELECTRICITY AND ELECTRONICS LAB	6
TTT 115	ENGINE CONSTRUCTION AND OPERATION	3
TTT 120	SHOP AND PARTS MANAGEMENT	1
TTT 121	INTRODUCTION TO HYBRIDS	1
TTT 122	CHASSIS WIRING	1
TTT 125	ENGINE PERFORMANCE	4
TTT 126	ENGINE PERFORMANCE LAB	6
TTT 200	TRANSPORTATION HVAC	3
TTT 201	UNDER-CAR DIAGNOSIS	3
TTT 204	ENGINE OVERHAUL	4
TTT 205	UNDER-CAR DIAGNOSIS LAB	5
TTT 222	LIGHT DUTY DRIVETRAINS	4
TTT 223	LIGHT DUTY DRIVETRAINS LAB	6
TTT 299	INTERNSHIP (OPTIONAL)	3
	<b>Total</b>	<b>51-54</b>

\*Prerequisite: Acceptable ACCUPLACER score or Basic Writing.

\*\*Prerequisite: Acceptable ACCUPLACER score or Basic Math.

**Semester breakdown on next page**

### Semester Breakdown Light Duty

<b>First Semester</b>			<b>Second Semester</b>		
		<b>CR</b>			<b>CR</b>
TTT 110	Vehicle Electricity and Electronics	4	TTT 115	Engine Construction and Operation	3
TTT 112	Vehicle Electricity and Electronics Lab	6	TTT 125	Engine Performance	4
TTT 120	Shop and Parts Management	1	TTT 126	Engine Performance Lab	6
TTT 121	Introduction to Hybrids	1	MATH 100	Elementary Algebra	3
CIS 105	Microcomputer Software Applications I	3			
<b>Total Credit Hours</b>		<b>15</b>	<b>Total Credit Hours</b>		<b>16</b>
<b>Third Semester</b>			<b>Fourth Semester</b>		
		<b>CR</b>			<b>CR</b>
TTT 201	Under-Car Diagnosis	3	TTT 122	Chassis Wiring	1
TTT 204	Engine Overhaul	4	TTT 200	Transportation HVAC	3
TTT 205	Under-Car Diagnosis Lab	5	TTT 222	Light Duty Drivetrains	4
ENGL 201	Technical Writing I	3	TTT 223	Light Duty Drivetrains Lab	6
SOC 100	Introduction to Sociology	3	TTT 299	Internship <i>optional</i>	3
			PSYC 103	Human Relations in the Workplace	3
<b>Total Credit Hours</b>		<b>18</b>	<b>Total Credit Hours</b>		<b>17-20</b>

If you are or have been convicted, pleaded guilty or no contest to, or received a suspended imposition of sentence for a felony or certain misdemeanors, you are advised that you may not be able to complete all course requirements for your chosen program, you may be prevented from taking required certification/licensure examinations in your chosen program field, and you may be prevented from gaining employment in your program field.