

COURSE OUTLINE**Course:** 88889 Auto Quick Serve (W)**Total Course Hours:** 90.00**CBEDS Title:** AUTOMOTIVES**CBEDS #:** 5652**Job Title(s):**

Automotive Technician, Mechanics Helper, Technician Trainee

Prerequisites:**Course Description:**

This course provides entry-level training in automotive service, repair, diagnosis, and maintenance. Students use hand tools, specialized tools, and diagnostic equipment. Successful students complete the program with an in-demand job skill or a useful and valuable foundation for further study or training.

Hours	
Class	OJT

Occupational Competencies

1-7 on the Course Outline are generic to all BVROP courses and include the BVROP Student Outcomes

3.00		1	<u>ORIENTATION</u> A Identifies and discusses course objectives and competencies. B Discusses ROP Student Outcomes. C Explains class attendance and behavior objectives.
6.00		2	<u>HEALTH, SAFETY AND ENVIRONMENTAL MANAGEMENT</u> A Describes accident procedure. B Demonstrates appropriate safety practices (e.g. bending, lifting, etc.). C Demonstrates knowledge of classroom procedures and drills (e.g. earthquake, fire and emergency).
3.00		3	<u>ETHICS AND LEGAL RESPONSIBILITIES</u> A Defines sexual harassment and discusses tactics for handling harassment situations. B Applies appropriate workplace behavior and standards. C Understands loss prevention (eg, internal theft, inventory loss)
2.00		4	<u>LEADERSHIP AND TEAMWORK</u> A Describes the characteristics and benefits of teamwork and leadership. B Demonstrates ability to make appropriate decisions. C Works well with others and gives/takes constructive criticism.
5.00		5	<u>STUDENT OUTCOMES</u> A Demonstrates Occupational Specific, Communication and Critical Thinking Skills B Demonstrates Responsible Work Ethics C Demonstrates Career/Employment Literacy D Demonstrates Effective Use of Technology
13.00		6	<u>UNDERHOOD SERVICE</u> A Knows types of fluids and uses B Checks levels of fluids C Changes oil and filter

Hours	
Class	OJT

88889 Auto Quick Serve (W)

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| 5.00 | | 7 <u>COOLING SYSTEM</u> |
| | | A Knows types of radiators |
| | | B Demonstrates cooling system service |
| | | C Replacement of anti freeze |
| | | D Demonstrates cooling system testing and inspection |
| | | E Demonstrates replacement and testing of thermostat |
| | | F Demonstrates replacement of radiator and heater hoses |
| 2.00 | | 8 <u>BELTS</u> |
| | | A Knows types of drive belts |
| | | B Demonstrates, inspection, removal/replacement & adjustment |
| 1.00 | | 9 <u>HEATING & AIR CONDITIONING</u> |
| | | A Identifies different cabin filters |
| | | B Demonstrates ability to change cabin filters |
| 1.00 | | 10 <u>AIR CLEANERS</u> |
| | | A Demonstrates, checks, removes and replaces |
| 1.00 | | 11 <u>WINDSHIELD WIPER BLADES</u> |
| | | A Demonstrates, checks, removes and replaces |
| 18.00 | | 12 <u>TIRES/BALANCING/SHOCKS</u> |
| | | A Identifies various types of tire tread wear |
| | | B Demonstration of cause and knows recommendation for correction of uneven tread wear |
| | | C Demonstrates ability to rotate tires |
| | | D Demonstrates knowledge of different rotation patterns and which one to use |
| | | E Demonstrates knowledge of different types of balancers and wheels |
| | | F Demonstrates ability to static balance tires |
| | | G Demonstrates ability to dynamic balance tires |
| | | H Demonstrates ability to replace shock absorbers, front and rear |
| | | I Demonstrates ability to repair tires, plugs and patching |
| 12.00 | | 13 <u>BATTERIES AND CHARGING SYSTEMS</u> |
| | | A Demonstrates understanding of and identifies basic principles of electricity |
| | | B Demonstrates understanding of battery types and uses |
| | | C Demonstrates ability to replace, service and test battery |
| | | D Demonstrates understanding of charging systems |
| | | E Demonstrates ability to test and inspect charging system |
| | | F Demonstrates ability to replace alternator |
| | | G Demonstrates ability to test and inspect starting system |
| | | H Demonstrates ability to replace starter |
| 18.00 | | 14 <u>BRAKE SYSTEMS</u> |
| | | A Demonstrates knowledge of basic principles of braking |
| | | B Identifies common brake parts |
| | | C Demonstrates ability to inspect hydraulic system, master cylinder, wheel cylinders, calipers, lines and hoses |
| | | D Demonstrates ability to inspect and replacement of brake shoes |
| | | E Demonstrates ability to inspect and replacement of disc brake pads |
| | | F Demonstrates ability to remove air from brake system (bleed brakes) |
| | | G Demonstrates ability to replace brake lines and hoses |
| | | H Demonstrates ability to adjust brakes (foot and parking) |

TOTAL HOURS

Class	OJT	Course
90.00	0.00	90.00