

COURSE OUTLINE

Course: 88888 AUTO QUICK SERVE

Total Course Hours: 180.00

CBEDS Title: AUTOMOTIVES

CBEDS #: 5652

Job Title(s):

Automotive technician, mechanics helper, technician trainee, parts department assistant, apprentice technician

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. Integrated throughout the course are Academic and CTE standards, which include safety, communication, technology, ethics, career planning and other employability skills.

Hours	
Class	OJT

Occupational Competencies

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

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| 3.00 | | <p>1 <u>ORIENTATION</u></p> <ul style="list-style-type: none"> A Identifies and discusses course objectives and competencies. B Discusses ROP Student Outcomes. C Explains class attendance and behavior objectives. |
| 3.00 | | <p>2 <u>HEALTH, SAFETY AND ENVIRONMENTAL MANAGEMENT</u></p> <ul style="list-style-type: none"> 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). D Understands CAL-OSHA requirements for proper and safe use and disposal of hazardous waste |
| 3.00 | | <p>3 <u>ETHICS AND LEGAL RESPONSIBILITIES</u></p> <ul style="list-style-type: none"> A Defines sexual harassment and discusses tactics for handling harassment situations. B Applies appropriate workplace behavior and standards. |
| 3.00 | | <p>4 <u>LEADERSHIP AND TEAMWORK</u></p> <ul style="list-style-type: none"> 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. |
| 15.00 | | <p>5 <u>CAREER PLANNING</u></p> <ul style="list-style-type: none"> A Prepares a finished, professional portfolio showing the best work that has been completed during the class. B Locates job opportunities through the use of want-ads and placement agencies. C Visits at least one facility related to area of training and observes jobs performed. D Completes a job application correctly. E Prepares for and critiques a simulated employment interview. F Discusses employee benefits and rights as related to the specific occupational job area including gender equity and equal opportunity. G Identifies acceptable procedures to leave a job. H Applies for a scholarship. I Completes a professional resume. J Demonstrates appropriate personal grooming and dress. |

Hours	
Class	OJT

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2 of 3

3.00	
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6 COMMUNICATION

- A Uses effective workplace conversation.
- B Reads and interprets written information and directions.
- C Practices various forms of written communication appropriate to the occupation.

5.00	
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7 STUDENT OUTCOMES

- 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

15.00	
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8 BASIC 4 CYCLE ENGINE

- A Demonstrates on V8 engine, the 4 cycles
- B Demonstrates proper timing procedures
- C Demonstrates selection of replacement parts

15.00	
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9 UNDERHOOD SERVICE

- A Knows types of fluids and uses
- B Checks levels of fluids
- C Changes oil and filter

20.00	
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10 COOLING SYSTEM

- A Replacement of freeze plugs
- B Demonstrates water passages
- C Replacement of water pump
- D Replacement of thermostat

5.00	
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11 BELTS

- A Knows types
- B Checks, removes/replaces or adjusts

1.00	
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12 AIR CLEANERS

- A Knows types
- B Checks, removes and replaces

1.00	
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13 WINDSHIELD WIPER BLADES

- A Checks, removes and replaces

25.00	
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14 TIRES/BALANCING/SHOCKS

- A Identifies various types of tread wear
- B States cause and identifies correction of uneven tread wear
- C Rotates tires
- D Changes spare tires
- E Demonstrates knowledge of different types of balancers and wheels
- F Static balance tires
- G Dynamic balance tires
- H Replace shock absorbers
- I Check and adjust alignment
- J Repair tires

30.00	
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15 BATTERIES AND CHARGING SYSTEMS

- A Demonstrates understanding of or replaces and identifies basic principles of electricity
- B Demonstrates understanding of or replaces and identifies battery types and uses
- C Demonstrates understanding of replaces service battery and replacement testing
- D Demonstrates understanding of charging systems
- E Demonstrates understanding of charging system test and replacement of alternator.

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33.00	
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16 BRAKE HISTORY

- A** Demonstrates knowledge of basic principles of braking
- B** Identifies common brake parts
- C** Inspects master cylinder
- D** Inspects wheel cylinder
- E** Inspects caliper
- F** Inspect and replacement of front brake shoes
- G** Inspect and replacement of rear brake shoes
- H** Inspect and replacement of disc brake pads
- I** Inspect & replacement of power assist unit
- J** Inspect and replacement of brake lines and hoses
- K** Adjust brakes

Additional Course Information

This course articulates with Chaffey College and Citrus College

TOTAL HOURS

Class	OJT	Course
180.00	0.00	180.00