

NC 631: SMOG CHECK REPAIR TECHNICIAN UPDATE COURSE

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2023
Credits:	0
Total Contact Hours:	18
Lecture Hours :	18
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	36
Prerequisite:	Student must possess a current A6, A8 and L1 ASE certification or equivalent.
Transferable to CSU:	No
Transferable to UC:	No
Grading Method:	Non-Credit Course

Catalog Course Description

Meets Bureau of Automotive Repair update requirements for the Smog Check Repair Technician license renewal. The course includes training on updated BAR smog check program regulations as well the latest technology advancements impacting vehicle emissions controls. 18 lecture hours.

Course Objectives

- Describe updated state emissions requirements.
- Describe the operation of the latest emissions or engine control technologies.
- Identify emissions systems or engine control variations between manufacturers.
- Identify the procedures needed for proper diagnosis of updated engine emissions or control systems.
- Describe typical failure symptoms relating to updated emissions or engine control systems.

Major Course Content

1. Orientation and Safety
2. Introduction to BAR update mandates
 - a. Emissions regulation updates
 - b. Vehicle mandates
3. Vehicle emissions or control systems update
 - a. Emissions system requirements
 - b. Emissions system operation
4. Emissions system MIL strategies
5. Emissions system diagnostic process
6. Post-repair operation verification

Suggested Reading Other Than Required Textbook

California BAR Smog check program reference manuals provided online by the state website. Students are expected to read the smog check and OBD manual sections pertaining to the material covered in class prior to the start of each class.

Examples of Required Writing Assignments

Writing will consist mainly of short answer question responses in the context of in class and take home worksheets.

Examples of Outside Assignments

A take home worksheet referencing the 2013 Smog Check manual and/or emissions system handout must be completed prior to the start of the each class.

Instruction Type(s)

Lecture