6th period 31-36 months 4501-5400 OJT $37.58 /hour

* All mention of previous wage periods reference the current appropriate rate for that period and not necessarily the rate reflected in these Standards at the time of approval.

Hours of Work and Working Conditions and Overtime Provision:

Eight hours of labor constitutes a day's work. Employment beyond eight hours in any workday or more than six days in any workweek requires the employee to be compensated for the overtime at not less than one and one-half times the employee's regular rate of pay for all hours worked in excess of eight hours, up to and including 12 hours in any workday, and for the first eight hours worked on the seventh consecutive day of work in a workweek; and double the employee's regular rate of pay for all hours worked in excess of 12 hours in any workday and for all hours worked in excess of eight on the seventh consecutive day of work in a workweek. If employers utilize an alternative workweek schedule in accordance with the California Industrial Welfare Commission Orders, the overtime will be determined and paid in accordance with the applicable alternative workweek provisions.

The workday and workweek and all other conditions of employment for apprentices shall conform to all applicable laws and regulations and shall not be greater than for those of a professional worker.

Overtime shall not be allowed if it will interfere with or impair the training or be detrimental to the health and safety of the apprentice.

ARTICLE III Work-Training

1) The employer shall see that all apprentices are under the supervision of a qualified professional worker or instructor and shall provide the necessary diversified experience and training in order to develop the apprentice into a proficiently skilled worker, as outlined herein.
2) Each apprentice shall be trained in the use of new equipment, materials and processes as they come into use in the occupation.
3) The major categories in which apprentices will be trained (although not necessarily in the order listed) are as follows:

Work Process	**Approximate Hours**
A. Safety CAL OSHA, EPA Regulations, DOT Regulations, Shop and Machinery safety procedures, Fuel Tank Inspection	40
B. CNG Engines Describe and demonstrate safety procedures for working with CNG systems. Inspect CNG tanks and lines for leaks, corrosion	200

And damage. Demonstrate the depressurization of CNG system for maintenance

C. Diesel/ CNG Engines Diagnostics & Repair 1,100
Describe and demonstrate the use of computer based diagnostics software. Describe the engine control systems and how they network with other components. Demonstrate finding manufacturer information on CDs and websites as well as paper manuals. Describe and identify fuel injection components. Test fuel injection system including pressure and voltages in the common rail. Demonstrate a knowledge of fault codes. Test, remove, repair and replace components.

D. Brakes 480
Describe the brake air supply and service systems. Identify brake system Components drum & disc type. Describe proper safety procedures and demonstrate the use of hoists and jacks. Describe the use of test equipment and demonstrate its use. Remove and replace defective components.

E. Steering and Suspension 360
Identify steering and suspension components. Describe and demonstrate the basics of steering and axle alignment. Explain basic hydraulic principles and identify components. Inspect steering and suspension components for missing parts, rust, wear and leaks. Conduct road test. Diagnose problems. Remove, repair and replace components including steering pump, air suspension system, bushings, valves, hydraulics, etc.

F. Preventive Maintenance & Inspection 1,000
Visually, functionally inspect or test all bus components including electronic, hydraulic, physical (body) and mechanical. Inspect for corrosion, cracks, leaks (air, fluid), slide, tightness, missing parts, wiring condition (chafing marks), cable routing, fluid levels, and functionality. Demonstrate taking transmission, engine and differential fluid samples, and describe how to perform and interpret tests. Identify and describe the uses of various lubricant types. Clean and lubricate mirror swivel, latches, hinges, suspension and steering components. Change filters and fluids per PM sheets, Tune - ups, fire suppression

G. HVAC 480
Describe the HVAC system and components. Demonstrate test equipment. Describe the refill/recycle machine and demonstrate proper recovery of coolant and refill system. Explain evaporator and condenser operation. Describe inspection procedures and

use of test equipment including an electronic sniffer, VOM, pressure meter and the use of human sight, sound and smell.
Explain the different refrigerant types and uses.
Earn EPA 608 certification.

H.	Transmission & Drive Train Describe the transmission system and how it networks with other components. Demonstrate removal and replacement of transmission. Demonstrate test equipment and describe computer software use for testing. Demonstrate removal, replacement (i.e. u-joint) and replacement of drive line components.	480
I.	Electrical & Electronics Electrical theory, Circuits, relays and switches, Starting and charging systems, Troubleshooting and testing the equipment. Multiplexing test the multiplex system. Diagnosis & repair general electric system, devices and accessories.	1,000
J.	Bus Body Systems Demonstrate various welding techniques and describe the appropriate application of each type (MIG, TIG, Arc) Demonstrate and describe the use of personal protective equipment and other safety procedures for welding. Remove, repair and replace body systems such as wheelchair lifts and kneeling mechanisms.	200
K.	Hand Tools & Fasteners	60
Total Hours		**5,400**

ARTICLE IV Related Instruction

Apprentices shall satisfactorily complete prescribed courses of related and supplemental instruction, which will not be less than 144 hours per year. Related and supplemental instruction will be provided by American River College.

Time spent in related and supplemental instruction may be compensated.

Class Title	Hours
Diesel Preventative Maintenance	108
Diesel Engine Repair	108
Basic Hydraulic Principles of Diesel Technology	108
Diesel Brake Systems	108
Diesel Electrical Systems	108