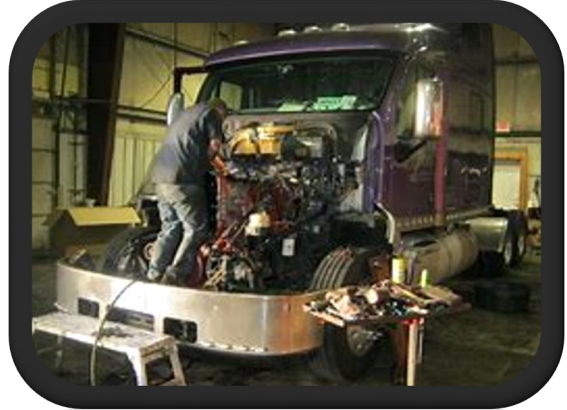


ROP Diesel Engine



COURSE DESCRIPTION

The ROP Diesel Engine course is designed to mix classroom instruction with hands-on training in the operation and repair of modern diesel engines. Students will learn how to interpret technical manuals and electronic diagnostic reports.

Earn College Credit

Students who pass the course with a final grade of "B" or higher may earn 4 college units from American River College.

Students will learn:

Introduction to Kubota Engines

Power Equipment Safety

- Mechanical Safety
- Shop Pollution Prevention
- Personal Protective Equipment
- Diesel Engine Maintenance
- Emission System Standards
- Air Filtration System
- Fuel, Lubricating and Cooling Systems

Battery Service

- Battery Basics
- Testing
- Warranty
- Safety and installation
- Inventory Management

Diesel Engine Diagnosis

- Diagnose by System
- Case Studies

Electrical System Diagnosis and Repair

- Basic Electrical Components
- Alternator and Dynamo Diagnosis and Repair
- Starter Diagnosis and Repair
- Electrical System Diagnosis

Engine Overhaul

- Preparation
- Inspection
- Post Overhaul Checks
- Disassembly/Reassembly

Failure and Analysis

- Methods
- Bearings/Rods/Shafts
- Engine Accessories
- Rings/Pistons
- Cylinder Heads/Valves

For more information, visit your High School Career Center or the Central Sierra Regional Occupational Program



El Dorado High School District

4675 Missouri Flat Road, Placerville, CA 95667

<http://www.eduhsd.k12.ca.us/Educational-Services/Career-Technical-EducationROP>
530-622-5081, ext. 7239