
ATLAS



Alameda Transportation and
Logistics Academic Support

WHO WE ARE

ATLAS is a dynamic training & education partnership between:

- College of Alameda
- The Workforce Collaborative
- Teamsters Union
- Oakland Adult and Career Education
- International Longshore & Warehouse Union

SOME OF OUR PARTNERS



**ECONOMIC &
WORKFORCE
DEVELOPMENT**
through the
CALIFORNIA
COMMUNITY
COLLEGES



PORT OF OAKLAND

Why ATLAS?

- A response to the Oakland Partnership's industry cluster analysis identifying transportation & logistics as a major sector growth area for the SF Bay Area
- Goal: To build a dynamic transportation & logistics education program to serve the needs of employers & the workforce.

Current ATLAS Programs

- Warehouse Operations
- Forklift Operator Certification
- Office Administration for Logistics Industry
- Green Diesel Preventative Maintenance Inspection
- Hybrid Electric Vehicle Technician

ATLAS GREEN DIESEL PREVENTATIVE MAINTENANCE & INSPECTION (PMI)



PMI PROGRAM INTRODUCTION

- Preventive Maintenance (PM) is one of the most important tasks in the commercial vehicle industry
- PM insures that equipment is safe and in proper working condition per government regulations and Original Equipment Manufacturer (OEM) guidelines
- PM allows companies to maximize equipment service life by reducing equipment break down, avoid accidents from unsafe equipment, increase customer truck operator's confidence and help preserve the environment
- This training includes environmental impact awareness, up-to-date procedures for waste management, driver awareness for environmental impact and service/maintenance procedures for green vehicle components

PMI PROGRAM OBJECTIVES

- Provide students training for the position of Entry Level PM Technician a solid foundation on shop safety, usage of tools/shop equipment and environmental awareness
- Students will learn how to perform complete PM Service and DOT (Department of Transportation) safety inspections
- This PM course also introduces the students to Green Technology and skills such as Periodic Smoke Inspection, CNG (compressed natural gas) engine service and DPF (diesel particulate filter) Technology Inspection and Service
- Diesel/Electric hybrid will also be introduced at a later date

PMI PROGRAM LEARNING ACTIVITIES

- Students will be provided with text books, handouts, illustrations, charts and PowerPoint presentations in lecture class for study resources
- Hands-on demonstrations will be performed by the instructor(s) in lab class
- Students are expected to perform all practical exercises under supervision by instructors
- Students will demonstrate hands-on performance by completing lab sheets as provided by the instructor
- Students will do their practical exercises in a team effort

PMI PROGRAM ASSESSMENT

- Periodic quizzes will be used to evaluate students' learning progress
- Each student will also have to perform a hands-on final exam
- The final hands-on exam will be structured according to current industry and DOT standards