



Western Technical College

32412417 Diesel & Heavy Equipment Internship

Course Outcome Summary

Course Information

Description	Student will be responsible to secure an internship in a Diesel or Heavy Equipment repair facility. The student can work in multiple areas of the business including parts, service reception and service repair department. This position must be approved by your program student advisor.
Career Cluster	Transportation, Distribution and Logistics
Instructional Level	Two-Year Technical Diploma
Total Credits	1
Total Hours	72
Prior Learning Assessment	Employer Verification CPL Form

Textbooks

No textbook required.

Experiential Learning

1. Work-Based Learning: this course applies your learning to your desired profession by working in industry placements such as internships, practicums, clinicals, or co-ops.

Course Competencies

1. **Diagnose major systems in diesel and heavy equipment industry.**

Assessment Strategies

- 1.1. On-the-job Performance

Criteria

You will know you are successful when

- 1.1. you diagnose brake systems.
- 1.2. you diagnose steering and suspension systems.

- 1.3. you diagnose electrical/electronic systems.
- 1.4. you diagnose HVAC systems.
- 1.5. you diagnose drive train systems.
- 1.6. you diagnose hydraulic systems.
- 1.7. you diagnose diesel engines and sub-systems.

Learning Objectives

- 1.a. Diagnose brake systems.
- 1.b. Diagnose steering and suspension systems.
- 1.c. Diagnose electrical/electronic systems.
- 1.d. Diagnose HVAC systems.
- 1.e. Diagnose drive train systems.
- 1.f. Diagnose hydraulic systems.
- 1.g. Diagnose diesel engines and sub-systems.

2. Repair major systems in diesel and heavy equipment industry.

Assessment Strategies

- 2.1. On-the-job Performance

Criteria

You will know you are successful when

- 2.1. you repair brake systems.
- 2.2. you repair steering and suspension systems.
- 2.3. you repair electrical/electronic systems.
- 2.4. you repair HVAC systems.
- 2.5. you repair drive train systems.
- 2.6. you repair hydraulic systems.
- 2.7. you repair diesel engines and sub-systems.

Learning Objectives

- 2.a. Repair brake systems.
- 2.b. Repair steering and suspension systems.
- 2.c. Repair electrical/electronic systems.
- 2.d. Repair HVAC systems.
- 2.e. Repair drive train systems.
- 2.f. Repair hydraulic systems.
- 2.g. Repair diesel engines and sub-systems.

3. Service major systems in diesel and heavy equipment industry.

Assessment Strategies

- 3.1. On-the-job Performance

Criteria

You will know you are successful when

- 3.1. you service brake systems.
- 3.2. you service steering and suspension systems.
- 3.3. you service electrical/electronic systems.
- 3.4. you service HVAC systems.
- 3.5. you service drive train systems.
- 3.6. you service hydraulic systems.
- 3.7. you service diesel engines and sub-systems.

Learning Objectives

- 3.a. Service brake systems.
- 3.b. Service steering and suspension systems.
- 3.c. Service electrical/electronic systems.
- 3.d. Service HVAC systems.
- 3.e. Service drive train systems.
- 3.f. Service hydraulic systems.
- 3.g. Service diesel engines and sub-systems.

4. Practice personal and professional work habits.

Assessment Strategies

4.1. On-the-job Performance

Criteria

You will know you are successful when

- 4.1. you comply with all work-place policies.
- 4.2. you comply with OEM policies.
- 4.3. you comply with OSHA policies.
- 4.4. you comply with EPA policies.

Learning Objectives

- 4.a. Arrive to work (or class) on time.
- 4.b. Wear all PPE and industry approved clothing/uniform.
- 4.c. Apply feedback from instructor or employer to improve performance.
- 4.d. Review the employee handbook or placement requirements.
- 4.e. Follow laws, regulations, and safety protocols.
- 4.f. Demonstrate quality customer service skills.

5. Document complaint, cause, and correction.

Assessment Strategies

5.1. On-the-job Performance

Criteria

You will know you are successful when

- 5.1. you complete repair order accurately.
- 5.2. you use appropriate oral communication.
- 5.3. you use appropriate written communication.
- 5.4. you employ listening skills.

Learning Objectives

- 5.a. Identify the clients' complaint.
- 5.b. Identify the cause of the complaint,
- 5.c. Summarize steps needed to correct the problem/complaint.
- 5.d. Verify the repairs.
- 5.e. Use industry specific terminology on repair order.