

OSU-Okmulgee
Academic Programs Forms A, B and C
ASSESSMENT REPORT FOR

Automotive / HEVi

FREIGHTLINER

(Unit)

(Program Emphasis or Specialization)

A.A.S

(Degree: A.S. or A.A.S)

2003 – 2004

SUMMER 2004

(Assessment Period Covered)

(Date Submitted)

Submitted By:

Steven Walker

(Chair or Faculty Assessment Representative)

OSU-Okmulgee
Academic Programs Form B
ASSESSMENT REPORT FOR

Automotive / HEVI

(Academic Unit or Student Support Area)

CAT Dealer Prep Program

(Emphasis or Specialization)

2003 - 2004

(Assessment Period Covered)

SUMMER 2004

(Date Submitted)

Expanded Statement of Institutional Purpose Linkage

Reference Institutional Mission Statement below:

OSU-Okmulgee's mission is to serve as the lead institution of higher education in Oklahoma and the region providing comprehensive, high-quality, advancing technology programs and services to prepare and sustain a diverse student body as competitive members of a world-class workforce and contributing member of society.

Indicate Mission/Purpose of the Automotive & HEVi Technologies Division and relate it to the OSU-Okmulgee Mission below:

Unit Mission: The Automotive/HEVI Division of OSU-Okmulgee prepares students to become efficient and productive entry-level automotive service, automotive collision, medium/heavy duty truck, heavy equipment, industrial equipment and mechanical/electrical diagnostic and repair technicians.

Indicate Mission/Purpose of the HEVi Unit and relate it to the Automotive and HEVi Technologies Division Mission below:

Unit Mission: The Heavy Equipment and Vehicle Institute's mission is to prepare students to become qualified technicians for defined industries and provide a firm base for continued success in their career.

Indicate Mission/Purpose of the Program of Study (Emphasis or Specialization) and relate it to the Unit Mission below:

Program/Emphasis or Specialization Mission:

The Diesel and Heavy Equipment Technology – ATC Freightliner program prepares students to become medium / heavy-duty truck technicians. As front-line employees with direct customer contact, Freightliner truck technicians require skills to communicate with customers, peers, and management, as well as make customer service decisions.

List Intended Program of Study Objectives to be Assessed This Year:

***CORE Objective 1. COMMUNICATION**

Effectively communicate electronically, verbally and in writing.

***CORE Objective 2. CRITICAL THINKING**

Demonstrate logical, systematic problem solving techniques, including basic mathematical computations.

***CORE Objective 3. ETHICS**

Develop and display a sense of personal, social and professional work ethics.

***CORE Objective 4. CULTURE, HISTORY, & DIVERSITY**

Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study.

***CORE Objective 5. TECHNOLOGY**

Access and use technology appropriate to one's industry or field of study.

PROGRAM Objective 6. SAFETY

Follow safety policies and procedures as defined by industry.

PROGRAM Objective 7. FUNDAMENTALS

Demonstrate the ability to understand the fundamentals of the defined industries.

PROGRAM Objective 8. ELECTRICAL/ELECTRONIC SYSTEMS.

Diagnose, maintain and repair electrical/electronic systems.

PROGRAM Objective 9. MECHANICAL COMPONENTS

Diagnose maintain and repair mechanical components.

PROGRAM Objective 10. HYDRAULIC / PNEUMATIC SYSTEMS

Diagnose maintain and repair hydraulic and pneumatic systems.

PROGRAM Objective 11. MOBILE AIR CONDITIONING SYSTEMS

Diagnose, maintain and repair mobile air conditioning systems.

PROGRAM Objective 12. POWER TRAIN SYSTEMS

Diagnose maintain and repair power train systems.

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Transportation Auto/HEVi _____
(Unit)

_____ (Program Emphasis or Specialization)

2003-2004 _____
(Assessment Period Covered)

August 2003 _____
(Date Submitted)

Intended Educational (Student) Objective #1:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 1: Demonstrate the ability to follow safety policies and procedures as defined by industry.

A. First Means of Assessment for Objective Identified Above:

1 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

100% of students will complete the Program safety exam with 100% accuracy.

1 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

1 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

1 b. Means of Program Assessment & Criteria for Success:

1 b. Description of Data Collection & Assessment Results:

1 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #2:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 2:

Demonstrate logical, systematic problem-solving techniques.

A. First Means of Assessment for Objective Identified Above:

2 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80 % of HEVi students who complete program requirements will effectively troubleshoot 75% of troubleshooting scenarios.

2 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

2 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

2 b. Means of Program Assessment & Criteria for Success:

(Summative) 80% of students who pass Capstone will have completed 75% of the syllabus competencies relating to this course.

2 b. Description of Data Collection & Assessment Results:

2 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #3:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 3:

Analyze and solve problems using basic mathematical computations.

A. First Means of Assessment for Objective Identified Above:

3 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students complete the Electrical Circuits and Components, Diagnostics and Repair Course will have passed DC electrical circuit calculations with 75% accuracy.

3 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

3 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

3 b. Means of Program Assessment & Criteria for Success:

(Summative) 80% of students who pass Capstone will have completed 75% of the syllabus competencies relating to this course.

3 b. Description of Data Collection & Assessment Results:

3 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #4:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 4:

Work effectively as part of a team. (Core)

A. First Means of Assessment for Objective Identified Above:

4 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Summative) 80% of students who pass Capstone will have completed 75% of the syllabus competencies relating to this course.

4 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

4 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

4 b. Means of Program Assessment & Criteria for Success:

(Summative) 80% of HEVi students who pass final internship will demonstrate they can work cooperatively with staff and supervisors with a score of three (3) or above on the internship evaluation reports.

4 b. Description of Data Collection & Assessment Results:

4 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 5:

Effectively communicate electronically, verbally and in writing. (Core)

A. First Means of Assessment for Objective Identified Above:

5 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% HEVi students who complete training in the Brakes course assignments will complete 75% of information retrieval system, as designated by syllabus competencies.

5 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

5 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

5 b. Means of Program Assessment & Criteria for Success:

(Summative) 80% of students who pass the Capstone course will have completed 75% of the syllabus competencies.

5 b. Descriptions of Data Collection & Assessment Results:

5 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 6:

Diagnose, maintain and repair electrical/electronic systems on Freightliner trucks.

A. First Means of Assessment for Objective Identified Above:

6 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students who complete the Circuits and Components and Diagnostics and Repair class will complete 75% of the competencies listed on the syllabus pertaining to this objective.

6 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

6 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

6 b. Means of Program Assessment & Criteria for Success:

(Summative) 80% of students who pass Electronic Engine Interface will have completed 75% of the syllabus competencies.

6 b. Descriptions of Data Collection & Assessment Results:

6 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 7:

Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study.

A. First Means of Assessment for Objective Identified Above:

7 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students who complete the Brakes course will complete 75% of the competencies listed on the syllabus pertaining to this objective.

7 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

7 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

7 b. Means of Program Assessment & Criteria for Success:

7 b. Descriptions of Data Collection & Assessment Results:

7 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 8:

Apply interpersonal and leadership skills that value diversity among people and promote the achievement of personal and industry goals.

A. First Means of Assessment for Objective Identified Above:

8 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students who complete the Capstone course will complete 75% of the competencies listed on the syllabus pertaining to this objective.

8 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

8 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

8 b. Means of Program Assessment & Criteria for Success:

80% of students who successfully complete all internships will complete 75% of the competencies listed on the syllabus pertaining to this objective.

8 b. Descriptions of Data Collection & Assessment Results:

8 b. Use of Results to Improve Instructional Program

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 9:

Develop and display a sense of personal, social and professional work ethics.

A. First Means of Assessment for Objective Identified Above:

9 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students who complete the internships will complete 75% of the competencies listed on the syllabus pertaining to this objective.

9 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

9 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

9 b. Means of Program Assessment & Criteria for Success:

9 b. Descriptions of Data Collection & Assessment Results:

9 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 10:

Access and use technology appropriate to one's industry or field of study.

A. First Means of Assessment for Objective Identified Above:

10 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students who complete the Freightliner Service and Maintenance course will complete 75% of the competencies listed on the syllabus pertaining to this objective.

10 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

10 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

10 b. Means of Program Assessment & Criteria for Success:

10 b. Descriptions of Data Collection & Assessment Results:

10 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 11:

Demonstrate the ability to communicate effectively with others electronically, verbally and in writing.

A. First Means of Assessment for Objective Identified Above:

11 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students who complete the Capstone course will complete 75% of the competencies listed on the syllabus pertaining to this objective.

11 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

11 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

11 b. Means of Program Assessment & Criteria for Success:

11 b. Descriptions of Data Collection & Assessment Results:

11 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 12:

Diagnose, maintain and repair mechanical components.

A. First Means of Assessment for Objective Identified Above:

12 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students who complete the internships will complete 75% of the competencies listed on the syllabus pertaining to this objective.

12 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

12 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

12 b. Means of Program Assessment & Criteria for Success:

12 b. Descriptions of Data Collection & Assessment Results:

12 b. Use of Results to Improve Instructional Program:

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_____ (Date Submitted)

Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 13:

Follow safety policies and procedures as defined by industry

A. First Means of Assessment for Objective Identified Above:

13 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students who complete the internships will complete 75% of the competencies listed on the syllabus pertaining to this objective.

13 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

13 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

13 b. Means of Program Assessment & Criteria for Success:

13 b. Descriptions of Data Collection & Assessment Results:

13 b. Use of Results to Improve Instructional Program:

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Intended Educational (Student) Objective #5:

NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.

Objective 14:

Diagnose, maintain and repair hydraulic and pneumatic systems.

A. First Means of Assessment for Objective Identified Above:

14 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?)

(Formative) 80% of students who complete the Brakes course will complete 75% of the competencies listed on the syllabus pertaining to this objective.

14 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

14 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

B. Second Means of Assessment for Objective Identified Above:

14 b. Means of Program Assessment & Criteria for Success:

14 b. Descriptions of Data Collection & Assessment Results:

14 b. Use of Results to Improve Instructional Program: