

## Program and Core Objectives Summary

### HEVi Freightliner

August 2005

OBJECTIVE TYPE & No.	OBJECTIVE DESCRIPTION	FORMATIVE ASSESSMENT	SUMMATIVE ASSESSMENT
<b>Core 1</b>	Effectively communicate electronically, verbally, and in writing	70% or higher on resume writing assignment in Technical Writing I ENGL 1033 or Technical Writing II ENGL 2033	70% or higher on internships report in DHEF 2543 Internship V
<b>Core 2</b>	Demonstrate logical, systematic problem-solving techniques	70% or higher on complete set of coursework and exams in any math course	70% or higher on complete set of assignments and final exam in DHEF 1343 Electrical Circuits & Components
<b>Core 3</b>	Develop and display a sense of personal, social and professional ethics	70% or higher on Professional Interview/Code of Ethics Analysis during PHIL 1213 Ethics	70% or higher on internship in DHEF 2543 Internship V
<b>Core 4</b>	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	70% or higher on complete set of coursework and exams in US History to 1865 HIST 1483 or US History from 1865 HIST 1493 or US Government POLS 1113	70% or higher on final exam in DHEF Freightliner Service and Maintenance
<b>Core 5</b>	Access and use technology appropriate to one's industry or field of study	70% or higher on a comprehensive exam in GTIT 1133 Computer Literacy & Applications	70% or higher on final exam in Diesel Engine & Fuel Systems DHEF 2523
<b>Program 1</b>	Follow safety policies and procedures as defined by industry	100% on safety component of training in Pre-Delivery & Preventive Maintenance Inspections DHEF 1134	70% or higher on written safety exam in Intro to Pre-Delivery & Preventive Maintenance Inspections DHEF 1134
<b>Program 2</b>	Demonstrate the ability to understand the fundamentals of the defined industry	70% or higher on written exam in Freightliner Service and Maintenance DHEF 1154	70% or higher on final exam in Freightliner Service and Maintenance DHEF 1154
<b>Program 3</b>	Diagnose, maintain and repair electrical/electronic systems	70% or higher on written exam in DHEF 1343 Electrical Circuits & Components	70% or higher on final exam in DHEF 1343 Electrical Circuits & Components
<b>Program 4</b>	Diagnose maintain and repair mechanical components	70% or higher on basic engine exam in Electronic Engine Interface DHEF 2443	70% or higher on final exam in Electronic Engine Interface DHEF 2443
<b>Program 5</b>	Diagnose maintain and repair hydraulic and pneumatic systems	70% or higher on mid semester exam Freightliner Technology Capstone DHEF 2616	70% or higher on final exam in Freightliner Technology Capstone DHEF 2616
<b>Program 6</b>	Diagnose maintain and repair mobile air conditioning systems	70% or higher on written exam in Freightliner Air Conditioning Total Systems DHEF 1343	70% or higher on final exam in Freightliner Air Conditioning Total Systems DHEF 1343
<b>Program 7</b>	Diagnose maintain and repair power train systems	70% or higher on mid semester exam in Transmission Systems DHEF 1223	70% or higher on final exam in Transmission Systems DHEF 1223

Note: Assessments in yellow areas are conducted in Arts & Sciences and IT. Assessments in grey areas are conducted in HEVi.