

Program and Core Objectives Summary

HEVi Caterpillar

August 2005

| OBJECTIVE TYPE & No. | OBJECTIVE DESCRIPTION | FORMATIVE ASSESSMENT | SUMMATIVE ASSESSMENT |
|----------------------|--|--|--|
| Core 1 | 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 DHEC 2513 Internship V |
| Core 2 | Demonstrate logical, systematic problem-solving techniques | 70% or higher on complete set of coursework and exams in any math course | 70% or higher on midterm exam in CAT Electrical Fundamentals DHEC 1134 |
| Core 3 | 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 final exam in CAT Electrical Fundamental DHEC 1134 |
| Core 4 | 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 Intro to Caterpillar DHEC 1124 |
| Core 5 | Access and use technology appropriate to one's industry or field of study | 70% or higher on a comprehensive exam in GTBT 1133 Computer Literacy & Applications | 70% or higher on final exam in CAT Fuel Systems DHEC 1223 |
| Program 1 | Follow safety policies and procedures as defined by industry | 100% on safety component of training in Intro to Caterpillar DHEC 1124 | 70% or higher on written safety exam in Intro to CAT DHEC 1124 |
| Program 2 | Demonstrate the ability to understand the fundamentals of the defined industry | 70% or higher on written exam in Intro to Caterpillar DHEC 1124 | 70% or higher on final exam in Intro to Caterpillar DHEC 1124 |
| Program 3 | Diagnose, maintain and repair electrical/electronic systems | 70% or higher on written exam in CAT Electrical Fundamentals DHEC 1134 | 70% or higher on final exam in CAT Electrical Fundamentals DHEC 1134 |
| Program 4 | Diagnose maintain and repair mechanical components | 70% or higher on written basic engine exam in CAT Engine Fundamental training DHEC 1323 | 70% or higher on final exam in CAT Engine Fundamentals DHEC 1323 |
| Program 5 | Diagnose maintain and repair hydraulic and pneumatic systems | 70% or higher on written exam in CAT Hydraulic Fundamentals DHEC 1213 | 70% or higher on final exam in CAT Hydraulic Fundamentals DHEC 1213 |
| Program 6 | Diagnose maintain and repair mobile air conditioning systems | 70% or higher on written exam in CAT Mobile air Conditioning DHEC 2532 | 70% or higher on final exam in CAT Mobile air Conditioning DHEC 2532 |
| Program 7 | Diagnose maintain and repair power train systems | 70% or higher on written exam in CAT Power Train I DHEC 2524 | 70% or higher on final exam in CAT Power Train I DHEC 2524 |

Note: Assessments in yellow areas are conducted in Arts & Sciences. Assessments in gray areas are conducted in HEVi.