

Course Outline
DEMT 281
Cooperative Education/Internship
(Off-Campus Work Experience)
1 Semester Hour

The Community College of Baltimore County

Description

DEMT 281 – 1 Credit -- Cooperative Education/Internship (Off-Campus Work Experience)

engages students in an off-campus work experience in diesel and equipment maintenance technology. Students receive academic credit for knowledge and skill outcomes derived from a planned work experience. Students are expected to work for eight weeks with a minimum of 40 hours per week under the mentorship of an experienced technician. This course will reinforce the objectives from the second year of the program.

Prerequisites: Completion of 36 credits in program and GPA of 2.0 and signature of Program Coordinator

Overall Course Objectives

Upon completion of this course, students will be able to:

1. effectively utilize the job search process;
2. abide by all safety regulations as required of the workplace;
3. apply appropriate workplace behaviors in a professional setting;
4. demonstrate knowledge and skill appropriate to job assignment related to the program and specific career goals;
5. show evidence of content knowledge gained through practical experience; and
6. evaluate the experience in terms of their personal, educational, and career needs.

Major Topics

Specific objectives will come from course work completed and finalized with program coordinator and may include any of the following topics at a more advanced level than previously undertaken:

- I. Diesel engine overhaul
- II. Diesel engine tune-up
- III. Electrical and electronic systems
- IV. Hydraulic systems
- V. Heating, ventilation, and air conditioning systems
- VI. Brake systems
- VII. Drive train systems

VIII. Suspension and steering systems

Course Requirements

The students will maintain their employment and perform all duties associated with the program.

Grading/Exams:

Grading procedures will be determined by the individual faculty member and will include the following:

1. Attendance and Participation..... 30%
2. The task mastery from NATEF Tasks from master course list 70%

Writing:

The individual faculty member will determine specific writing assignments, but all students will maintain a written log of their daily work activities.

Other Course Information