



# HEAVY EQUIPMENT OPERATIONS (HEO)

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## **HEO 101 Basic Principles of HEO (3 Credits)**

This course provides a broad introduction to the process of executing earth moving activities on various types of construction projects. The uses of heavy equipment such as bulldozers, scrapers, excavators, and loaders are explained. This course will also cover preventive maintenance responsibilities of the operator knowing how and when to inspect equipment, and how and when to do routine maintenance.

## **HEO 124 Basic Safety for Heavy Equipment (3 Credits)**

This course introduces basic HEO industry safety work practices and procedures, inspecting equipment before use, and using equipment safely and properly. Recognizing the typical construction site has many hazards, and basic safety begins by eliminating hazards in the equipment and the workplace.

## **HEO 130 Project Layout (3 Credits)**

This course introduces basic blueprint terms, components, and symbols and presents different types of construction drawings commonly found on job sites and their importance. This course covers standardized information contained on blueprints such as identification, revision status, symbols, project titles, dimension, and scale.

## **HEO 150 Heavy Equipment Operations (6 Credits)**

This course provides an overview of heavy equipment operations and operator responsibilities, while covering basic operating principles and functions. In this course, procedures will be practiced in preventive maintenance of heavy equipment and operations of commonly used pieces of heavy equipment.