

---

# COURSES

---

## HEAVY EQUIPMENT OPERATIONS (HEO)

---

**HEO 111      Heavy Equipment Operations I****12.0 UNITS**

This course covers the beginning processes of heavy equipment operations. Topics include heavy equipment operator employment options, heavy equipment safety, identification of heavy equipment, equipment systems and maintenance, and basic operational techniques. Upon completion, students should be able to demonstrate a basic understanding of heavy equipment operations utilized in the construction field.

**HEO 112      Heavy Equipment Operations II****12.0 UNITS**

This course provides instruction regarding advanced operations of various construction equipment. Topics include purpose, function, design features, controls, manipulation, limitations, and safe operation of popular mobile heavy equipment. Upon completion, students should be able to demonstrate advanced operations of various heavy equipment found in the construction field.

**HEO 113      Grades and Drawings****3.0 UNITS**

This course is designed to develop the knowledge and skills required to interpret construction drawings, civil blueprints, and grades. Topics include basic terms for construction drawings, dimensions, setting grades, interpreting grade stakes, reading site plans, safety, and legal issues. Upon completion, students should be able to demonstrate a general knowledge of civil blueprints, construction drawings and the theory behind finish grade selection.