

HEAVY EQUIPMENT OPERATION C.A.S.

WRIT 101	College Writing I	3
Total Hours		35

Minimum Required Grade: C-

The mission of the Heavy Equipment Operation Program is to provide the regional workforce with credentialed, skilled and competent heavy equipment operators and to be responsive to emerging workforce needs. The Heavy Equipment Operation Program provides students with a basic understanding of fundamental machine functions and is designed to develop apprentice-level skills in the operation of heavy equipment.

Students are trained to safely and properly operate and maintain a variety of heavy equipment, including crawler-tractors, graders, scrapers, front-end loaders, excavators, backhoes, and dump trucks. Students develop an understanding of basic surveying techniques, receive extensive training in safety regulations and procedures, and learn how to handle controls precisely and judge distances accurately. The program also promotes an awareness of potential job site difficulties and allows students to gain knowledge of the work ethic expected by employers in the construction industry.

A Certificate of Applied Science is awarded upon successful completion of the program.

This is an Autumn Semester entry program, and enrollment is limited.

Certificate of Applied Science - Heavy Equipment Operation

Summary

Code	Title	Hours
Required Courses		38
Total Hours		38

Degree Specific Credits: 35

Required Cumulative GPA: 2.0

Required Courses

Code	Title	Hours
Complete all of the following courses:		
COMX 102	Interpersonal Skills in the Workplace	1
HEO 146	Safety & Basic Controls	5
HEO 148	Operational Skill Building	5
HEO 150	Job Simulation	6
HEO 151	Service & Maintenance	2
HEO 153	Construction Theory & Specialized Equipment	5
M 105	Contemporary Mathematics	3
OSH 110	OSHA 10 Hour Safety Training	1
SRVY 108	Construction Surveying	2
WLDG 103	Welding Fundamentals of Construction Trades	2