

HEAVY EQUIPMENT OPERATIONS TECHNOLOGY



What is Heavy Equipment Operations?

A growing need for heavy equipment operators creates unlimited opportunities for the trained operator. Due to the shortage of heavy equipment operators and the growing technology, heavy equipment operation has become a financially rewarding career. The best most experienced operators get the best jobs.

The Heavy Equipment Operator Program specializes in developing the skills of the beginning heavy equipment operator.

Graduates of our one-year program receive a Heavy Equipment Operator Diploma. HCTC offers hands-on skills training for entry-level heavy equipment operators. Students receive training for jobs and careers on Bulldozers, Backhoes, Wheel Loaders, Dump Trucks and Excavators. Our goal is to develop a workforce that will be safe, skilled, ethical and focused. Industry has long recognized the need for entry-level training in the construction and utilities field. HCTC is attempting to answer that need by providing quality, affordable job and career training.

In the Heavy Equipment Operator Program students will be taught safety, basic machine operation, daily and recommended maintenance and service, basic operator skills, and general education skills.

The Associate of Applied Science Degree in General Occupational/Technical Studies Guidelines

In order to receive this degree you must do the following:

1. Complete general education components (15 credit hours minimum in specified areas – Mathematics,
2. Natural Sciences, Social/ Behavioral Sciences, Humanities/ Fine Arts, Writing/Accessing Information)
3. Complete computer literacy.
4. Complete 42-58 credit hours of technical course work (Industrial Technology, Business Technology, Health and Human Services or other).
5. Verify residency requirements – at least 25% of the approved curriculum credits (15 –19 credit hours) must be completed at the institution granting the degree (degree total 60–76 credit hours)
6. Develop learner degree completion plan. Technical courses to be utilized in this degree will be taken from the list of approved technical courses at Hazard Community and Technical College.

*Listing of General Education requirements may be found in KCTCS catalog.

#GO2HCTC

One Community College Drive | Hazard, KY 41701 | (606) 436-5721 | hazard.kctcs.edu



KCTCS is an equal educational and employment opportunity institution.

KENTUCKY COMMUNITY AND TECHNICAL COLLEGE SYSTEM

HEAVY EQUIPMENT OPERATIONS TECHNOLOGY

CREDENTIAL OPPORTUNITIES HEAVY EQUIPMENT OPERATIONS

Operating Engineer - 4902024019

(Offered at HZC, SEC)

General Education:

Area 1= Written Communication, Oral Communications, or Heritage/Humanities	3
Area 2= Social/Behavioral Sciences, Natural Sciences, or Quantitative Reasoning*	3
Subtotal	6

*MAT 116 or higher level Quantitative Reasoning course required at SEC Technical

Courses:

Digital Literacy	0-3
ISX 100 Industrial Safety	3
DIT 103 Preventive Maintenance Lab	2
HEO 151 Heavy Equipment Operating I	6
HEO 201 Heavy Equipment Operating II	6
HEO 251 Heavy Equipment Operating III	6
HEO 125 Special Problems I	3
HEO 225 Special Problems II	3
Total Technical Credits	29-32
Total Credits	35-38

Certificate

Backhoe Operator – 4902023069

(Offered at HZC, SEC)

HEO 110 Power Shovel Backhoe Operator	7
DIT 103 Preventive Maintenance Lab	2
HEO 125 Special Problems I	3
Total Credits	12

Bulldozer Operator- 4902023029

(Offered at HZC, SEC)

HEO 111 Bulldozer Operator	7
DIT 103 Preventive Maintenance Lab	2
HEO 125 Special Problems I	3
Total Credits	12

Front-End Loader Operator – 4902023079

(Offered at HZC, SEC)

HEO 107 Utility Tractor Loader Operator	7
DIT 103 Preventive Maintenance Lab	2
HEO 125 Special Problems	3
Total Credits	12

Motor-Grader Operator – 4902023049

(Offered at HZC, SEC)

HEO 106 Motor-Grader Operator	7
DIT 103 Preventive Maintenance Lab	2
HEO 125 Special Problems	3
Total Credits	12

Hydraulic Excavator Operator – 4902023059

(Offered at HZC, SEC)

HEO 151 Heavy Equipment Operating I	6
HEO 115 Hydraulic Excavator Operator	7
DIT 103 Preventive Maintenance Lab	2
HEO 125 Special Problems 1	3
Total Credits	18

Contact Information:

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Community & Technical College
HIGHER EDUCATION BEGINS HERE

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