

# HEAVY EQUIPMENT OPERATOR (HEO)

Heavy Equipment Operators (HEO) not only work on regular construction building jobs, but also on infrastructure projects (roads, bridges, and ports, otherwise called non-building construction), and in mining and timber operations. A trained and experienced equipment operator provides necessary skills for any project that requires moving and transporting heavy materials or that demands any kind of earthmoving. The CITC three-year curriculum prepares workers for a wide range of careers using a curriculum and hands-on training that covers each major piece of heavy equipment, as well as topics such as Civil Blueprint Reading, Soils, and Paving.

## HYBRID LEARNING PROGRAM

CITC has taken company-wide measures to help prevent the spread of the COVID-19 virus to ensure the health and safety of students, faculty, staff and the community. Due to the COVID-19 Pandemic, CITC classes will be delivered in a hybrid format with theory classes being offered virtually and small in-person labs scheduled at our facilities throughout the year. All in-person lab sessions will be scheduled to ensure students and faculty can maintain social distancing protocols during lab activities and performance testing.

Students will be required to have access to a computer or tablet device with a working camera and microphone. Additionally, all students will need to have access to a reliable internet source when classes begin in the fall. For additional information on the technical requirements for this program please contact the CITC office at (425) 454-2482.

**Note: It is crucial that students have required books prior to the first class meeting. A student who does not have books by the end of the second week may be dismissed from class and charged with an absence.**



## APPRENTICESHIP MONTHLY WORK LOGS

Apprenticeship monthly work logs can be submitted to the apprenticeship department via email: **worklogs@citcwa.org**; fax: **(425) 289-0085**; mail to the CITC main office: **1930 116th Ave NE Bellevue, WA 98004**; or placed in the Drop Box outside of CITC Facilities.

## NCCERCONNECT 2.0 WITH PEARSON eTEXT ACCESS CARD

NCCERConnect 2.0 is an online training program that enhances student learning with a range of visual, auditory, and interactive elements. Your Pearson eText Access Card will give you access to an eBook version of the textbook included in the package.

## NCCER BOOKSTORE



**20% OFF**

Enter code **NCCER20** to receive 20% off your NCCER books

*Includes free shipping on your first order*

[www.nccer.org/bookstore](http://www.nccer.org/bookstore)

## HEAVY EQUIPMENT OPERATOR (HEO) LEVEL 1

Minimum: 160 hours per year

In the first year students will thoroughly review construction site safety and equipment safety; are introduced to trade mathematics, blueprint reading and rigging. Students are then introduced to most types of equipment including equipment identification, maintenance and basic operational techniques, operation of utility tractors, and an introduction to grades. Course also includes First Aid/CPR. Practical projects are assigned to practice skills and will review green building practices. Includes OSHA 10 Training.

### REQUIRED BOOKS - HEAVY EQUIPMENT OPERATOR LEVEL 1

It is the student's responsibility to have the following book(s) on the first night of class:

NCCER Core Curriculum Package - includes the following: <ul style="list-style-type: none"> <li>• Core Curriculum Trainee Guide, 5th Edition</li> <li>• Core Curriculum Trainee Guide, 5th Edition, NCCERConnect 2.0 with Pearson eText Access Card</li> </ul>	ISBN: 9780134391922
NCCER HEO Level 1 Package: <ul style="list-style-type: none"> <li>• HEO Level 1 Trainee Guide, 5th Edition</li> <li>• HEO Level 1 Trainee Guide, 5th Edition, NCCERConnect 2.0 with Pearson eText Access Card</li> </ul>	ISBN: 9780134391922

## HEAVY EQUIPMENT OPERATOR (HEO) LEVEL 2

Minimum: 160 hours per year

Students will review safe operations and practice of on-road dump trucks, scrapers, loaders, rough terrain forklifts and skid steers. Students will also review excavation math, interpret civil drawings, perform site work and learn about techniques for working in various soil classifications.

### REQUIRED BOOKS - HEAVY EQUIPMENT OPERATOR LEVEL 2

It is the student's responsibility to have the following book(s) on the first night of class:

NCCER Heavy Equipment Operations Level 2 Package: <ul style="list-style-type: none"> <li>• Heavy Equipment Operations Level 2 Trainee Guide, 3rd Edition</li> <li>• Heavy Equipment Operations Level 2 Trainee Guide, 3rd Edition, NCCERConnect 2.0 with Pearson eText Access Card</li> </ul>	ISBN: 9780134539638
NCCER Your Role in the Green Environment, 4th Edition, Paperback <b>or</b> NCCER Your Role in the Green Environment, 4th Edition, Adobe Reader	ISBN: 9780136701200 ISBN: 9780136639282

## HEAVY EQUIPMENT OPERATOR (HEO) LEVEL 3

Minimum: 160 hours per year

Students will practice finishing and grading, use compaction equipment, and practice advanced operation techniques on dozers, backhoes, excavators and motor graders. Students will also review safe operations and practice on off-road dump trucks. The course also introduces students to crew leader skills.

### REQUIRED BOOKS - HEAVY EQUIPMENT OPERATOR LEVEL 3

It is the student's responsibility to have the following book(s) on the first night of class:

NCCER Heavy Equipment Operations Level 3 Package: <ul style="list-style-type: none"> <li>• Heavy Equipment Operations Level 3 Trainee Guide, 3rd Edition</li> <li>• Heavy Equipment Operations Level 3 Trainee Guide, 3rd Edition, NCCERConnect 2.0 with Pearson eText Access Card</li> </ul>	ISBN: 9780134539621
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## Heavy Equipment Operator (HEO) Instructors

As a part of our dedication and commitment to training, we take pride in delivering top quality instructors. CITC's instructors are highly skilled journey-level workers who bring their knowledge and years of trade experience into the classroom. All CITC instructors have been certified certification by the National Center for Construction Education and Research.

**Mac Allen** started in the trade in 2009 and became a CITC faculty member in 2019.

**Luke Bergford** started in the trade in 2010 and became a CITC faculty member in 2019.

**Brandon Boxx** started in the trade in 2012 and became a CITC faculty member in 2019.

**John Brunson** started in the trade in 1999 and became a CITC faculty member in 2008.

**Gary Davis** started in the trade in 2003 and became a CITC faculty member in 2015.

**Lonnie Dotson** started in the trade in 1988 and became a CITC faculty member in 2019.

**Greg Grantham** started in the trade in 1996 and became a CITC faculty member in 2019.

**Ed Griner** started in the trade in 1996 and became a CITC faculty member in 2014.

**Matt Jones** started in the trade in 1995 and became a CITC faculty member in 2011.

**Denny Knutson** has over 30yrs experience in the construction industry and became a CITC faculty member in 2019.

**Paul Kramer** started in the trade in 1991 and became a CITC faculty member in 2011.

**Bill Motley** started in the trade in 1977 and became a CITC faculty member in 2011.

**Mike Motley** started in the trade in 2009 and became a CITC faculty member in 2014.

## Heavy Equipment Operator (HEO) Schedule & Tuition

HEAVY EQUIPMENT OPERATOR (HEO) LEVEL 1						
Bremerton	4 weeks	160 hours	Monday - Friday	8a-5p	January 5 - February 5	Tuition: \$12,155
HEAVY EQUIPMENT OPERATOR (HEO) LEVEL 2						
Ferndale	4 weeks	160 hours	Monday - Friday	8a-5p	January 25 - February 19	Tuition: \$12,155
HEAVY EQUIPMENT OPERATOR (HEO) LEVEL 3						
Pullman	4 weeks	160 hours	Monday - Friday	8a-5p	February 8 - March 5	Tuition: \$12,155

