

# 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.

*CITC strives to offer a variety of class schedules and locations for students to select from. To ensure your place in a class of your choice CITC encourages your registration as soon as registration opens. Registration is on a first come, first serve basis. If the class you have selected is full, you will be transferred into the next available class at the CITC facility nearest your home zip code.*



## APPRENTICESHIP MONTHLY WORK LOGS

Apprenticeship monthly work logs can be submitted to the apprenticeship department via email: [worklogs@citcwa.org](mailto:worklogs@citcwa.org); fax: **(425) 289-0085** (this fax number does not receive texts); mail to the CITC main office: **1930 116th Ave NE Bellevue, WA 98004**.

## 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.

<https://registration.mypearson.com>

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## 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. Practical projects are assigned to practice skills and will review green building practices. Includes OSHA 10, and First Aid/CPR Training.

### BOOKS - HEAVY EQUIPMENT OPERATOR LEVEL 1

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

REQUIRED TEXT	Soft Cover ISBN	Hard Cover ISBN
NCCER Core Curriculum Trainee Guide, 6th Edition	9780137483341	9780137483358
NCCER HEO Level 1 Trainee Guide, 3rd Edition	978-0-13-663897-1	

## 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.

### BOOKS - HEAVY EQUIPMENT OPERATOR LEVEL 2

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

REQUIRED TEXT	Soft Cover ISBN	Hard Cover ISBN
NCCER Your Role in the Green Env. LEED v4.1	978-0-13-670120-0	
NCCER HEO Level 2 Trainee Guide, 3rd Edition	978-0-13-340251-3	

## 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:

REQUIRED TEXT	Soft Cover ISBN	Hard Cover ISBN
NCCER HEO Level 3 Trainee Guide, 3rd Edition	978-0-13-340256-8	

## 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.

**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.

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

**Denny Knudson** has over 30 years 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.

## Heavy Equipment Operator (HEO) Schedule & Tuition

HEAVY EQUIPMENT OPERATOR (HEO) LEVEL 1						
Ferndale	4 weeks	160 hours	Monday - Friday	8a-5p	January 9 – February 3	Tuition: \$13,750
HEAVY EQUIPMENT OPERATOR (HEO) LEVEL 2						
Ferndale	4 weeks	160 hours	Monday - Friday	8a-5p	January 23 – February 17	Tuition: \$13,750
HEAVY EQUIPMENT OPERATOR (HEO) LEVEL 3						
Pullman	4 weeks	160 hours	Monday - Friday	8a-5p	February 6 – March 3	Tuition: \$13,750

