

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.



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 SENT HOME AND BE CHARGED WITH AN ABSENCE.

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 - HEO LEVEL 1

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

| | |
|--|-------------------|
| NCCER Core Curriculum Trainee Guide, 5th Edition (Paperback) or | 978-0-13-413098-9 |
| NCCER Core Curriculum Trainee Guide, 5th Edition (Hardcover) | 978-0-13-413143-6 |
| NCCER HEO Level 1 Trainee Guide, 3rd Edition | 978-013-292142-8 |

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 - HEO LEVEL 2

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

| | |
|---|-------------------|
| NCCER Your Role in the Green Environment Trainee Guide, 3rd Ed. | 978-0-13-294863-0 |
| 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 - HEO LEVEL 3

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

| | |
|--|-------------------|
| NCCER HEO Level 3 Trainee Guide, 3rd Edition | 978-0-13-340256-8 |
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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 in person to the CITC front office.

Heavy Equipment Operator Schedule & Tuition

| HEAVY EQUIPMENT OPERATOR LEVEL 1 | | | | | |
|----------------------------------|-------------------|---------------|-------|--------------------------|-------------------|
| Bremerton | 4 weeks/160 hours | Monday-Friday | 8a-5p | January 13 - February 7 | Tuition: \$11,800 |
| HEAVY EQUIPMENT OPERATOR LEVEL 2 | | | | | |
| Ferndale | 4 weeks/160 hours | Monday-Friday | 8a-5p | January 27 - February 21 | Tuition: \$11,800 |
| HEAVY EQUIPMENT OPERATOR LEVEL 3 | | | | | |
| Pullman | 4 weeks/160 hours | Monday-Friday | 8a-5p | February 10 - March 6 | Tuition: \$11,800 |



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. CITC faculty member since 2019.

Luke Bergford started in the trade in 2010. CITC faculty member since 2019.

Brandon Boxx started in the trade in 2012. CITC faculty member since 2019.

John Brunson started in the trade in 1999. CITC faculty member since 2008.

Gary Davis started in the trade in 2003. CITC faculty member since 2015.

Lonnie Dotson started in the trade in 1988. CITC faculty member since 2019.

Greg Grantham started in the trade in 1996. CITC faculty member since 2019.

Ed Griner started in the trade in 1996. CITC faculty member since 2014.

Matt Jones started in the trade in 1995. CITC faculty member since 2011.

Denny Knutson has over 30 years experience in the construction industry. CITC faculty member since 2019.

Paul Kramer started in the trade in 1991. CITC faculty member since 2011.

Bill Motley started in the trade in 1977. CITC faculty member since 2011.

Mike Motley started in the trade in 2009. CITC faculty member since 2014.