

Northwest Louisiana Technical College

Heavy Construction Vehicle Operator

Program Description & Curriculum

The purpose of the Heavy Construction Vehicle Operator (HCVO) program is to prepare individuals for employment as professional heavy equipment operators and tractor-trailer drivers. The HCVO program is a short-term training course designed to prepare students to enter the heavy construction industry. Program content includes instruction in general construction site safety, operation of diesel powered heavy equipment and tractor trailer rigs, identification of common equipment/vehicle components, defensive driving skills, actual driving on rural, urban and interstate highways, cargo handling, tractor trailer backing and maneuvering, documentation and verification of loads and grades and equipment/vehicle inspections and logging.

Degrees/Certificates

Certificate of Technical Studies (CTS)

Technical Competency Area (TCA)

CIP 490202

Available degrees and certificates may vary at each campus. Check with your local campus for more information.

| Heavy Construction Vehicle Operator CURRICULUM | | | | |
|---|--|--------------------|--------------|-------------|
| Course # | Course Title | Lecture /Lab Hours | Credit Hours | Clock Hours |
| HCVO 1000 | Introduction to Construction | 1/1 | 2 | 45 |
| HCVO 1010 | Construction Safety | 1/2 | 3 | 75 |
| HCVO 1011 | Forklifts (Certification) | 0/1 | 1 | 45 |
| JOBS 2450 | Job Seeking Skills | 2/0 | 2 | 30 |
| TCA – NCCER Core Certification | | | 8 | 195 |
| CTDP 1110 | Introduction to Commercial Vehicle Operation | 3/0 | 3 | 45 |
| CTDP 1120 | Federal Motor Carrier Safety Regulations | 2/0 | 2 | 30 |
| HCVO 1140 | Construction Vehicle Inspection and Basic Skills | 0/2 | 2 | 90 |
| CTDP 1211 | Commercial Vehicle Operations I | 0/2 | 2 | 90 |
| HCVO 1212 | Construction Vehicle Operations | 0/3 | 3 | 135 |
| TCA – Construction Vehicle Operator | | | 12 | 390 |
| HCVO 1110 | Heavy Equipment Orientation and Safety | 0/1 | 1 | 45 |
| HCVO 1111 | Basic Operational Techniques | 0/1 | 1 | 45 |
| HCVO 1120 | Grades Part 1 | 0/1 | 1 | 30 |
| HCVO 1121 | Grades Part 2 | 0/2 | 2 | 60 |
| HCVO 1130 | Introduction to Earth Moving | 1/1 | 2 | 45 |
| HCVO 1131 | Dump Truck | 0/1 | 1 | 30 |
| HCVO 1200 | Tractors | 0/1 | 1 | 30 |
| HCVO 1210 | Rollers | 0/1 | 1 | 45 |
| HCVO 1220 | Scrapers | 0/1 | 1 | 30 |
| HCVO 1230 | Loaders | 0/1 | 1 | 30 |
| TCA – Heavy Equipment Operator | | | 12 | 390 |
| CTS – Heavy Construction Vehicle Operator | | | 32 | 975 |
| HCVO 2991 | Special Projects I | 0/1 | 1 | 30 |
| HCVO 2993 | Special Projects II | 0/2 | 2 | 60 |
| HCVO 2995 | Special Projects III | 0/3 | 3 | 90 |
| HCVO 2996 | Special Projects IV | 3/0 | 3 | 45 |
| HCVO 2998 | Special Projects V | 1/0 | 1 | 15 |

