



International Finishing Trades Institute (iFTI)

FTI 1126C NCCCO Crane Signal Person (CERTIFICATION)

Course Information

Course Hours: 32

Course Description: The goal of the program is to improve the safety of those people who work around cranes or other lifting equipment. To read more details about the NCCCO's Signaller Certification Program, go to <http://nccco.org/nccco/certification-programs/Signaller>. To be eligible to participate in the CCO Signal Person Certification Program, you must,

- Be at least 18 years of age
- Comply with CCO's Substance Abuse Policy
- Pass Written Examination
- Pass Practical Examination
- Comply with the NCCCO Code of Ethics

Additionally, CCO certification examinations are designed for signallers who are trained and who will use hand and voice signals in crane operation (Certification Period: 60 months).

Course Objectives:

DOMAIN 1: HAND SIGNALS (Approximately 31% of the test)

1. Demonstrate the standard method hand signals for mobile cranes.
2. Demonstrate the standard method hand signals for tower cranes.
3. Always maintain visibility with operator when signaling a load.
4. Provide discernible and visible hand signals.
5. When signals are being delivered they will be maintained.
6. Take appropriate action if the operator is not following signals correctly.

DOMAIN 2: VOICE COMMANDS - (Approximately 17% of the test)

1. Demonstrate proper use and limitations of communication equipment.
2. Mitigate communication barriers, i.e. wind, language, interference.
3. Verify fully charged batteries are used and extra batteries are readily available.
4. Verify the communication device is in proper working order.
5. Always maintain clear and effective communication with the operator.
6. Demonstrate the three elements of voice signals (function and direction, distance and/or speed, function stop).
7. Account for the operator's perspective when signaling.
8. Take appropriate action if the operator is not following signals correctly.

DOMAIN 3: BASIC KNOWLEDGE OF CRANE OPERATIONS - (Approximately 24% of the test)

1. Demonstrate understanding of basic crane terminology, limitations and definitions.
2. Identify and apply the effects of size, shape, weight, and center of gravity of the load during a lift.
3. Recognize boom deflection and how to compensate for it.
4. Recognize and correct the causes and effects a moving load has on a crane.
5. Always keep the hoist line vertical during operations.
6. Identify and correct drift.

7. Identify the consequences of side loading.
8. Identify cause and effect of two blocking.
9. Ensure no personnel are in the path of the load or the fall zone.

DOMAIN 4: SITUATIONAL AWARENESS (SITE SPECIFIC CONSIDERATIONS) - (Approximately 15% of the test)

1. Review lift requirements with supervision/operator/crew.
2. Identify and avoid hazards and obstacles.
3. Recognize the effect of weather conditions.
4. Ensure the proper type of signals are being used.
5. Recognize situations that require the application of emergency procedures.
6. Use of technology.
7. Multiple load line use.

DOMAIN 5: SAFETY STANDARDS AND REGULATIONS - (Approximately 13% of the test)

1. Recognize the current OSHA and ASME standards that are relevant.
2. Identify and apply power line hazard protection standards and regulations.
3. Identify and apply standards and regulations for personnel platforms.
4. Multiple cranes single lift.

Prerequisite/s: none

Instructor



Course Lead: Sam Rogers

Resume Link: <https://iftilms.org/faculty/sam-rogers/>

Policies and Procedures

COE Accreditation

The International Finishing Trades Institute (iFTI) is [accredited](#) by the Commission of the Council on Occupational Education ([COE](#)) and is entitled to the recognition and associated privileges of this designation. Accreditation is a status granted to an educational institution or program that has been found to meet or exceed stated criteria of educational quality and student achievement. Accreditation by COE is viewed as a nationally-honored seal of excellence for occupational education institutions and denotes honesty and integrity.



iFTI Course Catalog

For a complete list of iFTI course offerings, please refer to the [iFTI Course Catalog](#).

Diversity Statement

The iFTI champions [diversity in the workplace](#) and committed in building an inclusive culture. We believe that every person, regardless of attributes such as race, gender or sexual

orientation, has an equal opportunity to find employment based on merit or while in training or the workplace. Although our union is more diverse than ever, we still have so much work to do.

Policies and Procedures

The campus policies and procedures are found in the [Student Handbook](#).

Travel and Lodging Reservations

Upon the receipt of the final class registration confirmation and course schedule, you will be advised to call Metropolitan Travel Service to obtain the best coach fare ticket. No air travel costs will be reimbursed if not made through Metropolitan Travel.

If you will be driving to the event, send your anticipated arrival and departure dates and times, so appropriate hotel reservations can be made. Hotel reservations will be made on your behalf after the iFTI receives your final travel itinerary.

Travel and lodging reservations will be direct billed to the iFTI. If regionally appropriate for you to drive your vehicle, the iFTI will reimburse mileage at \$.30/mile (not to exceed the lowest 30-day advance airfare, or the shortest route as determined by Google Maps). iFTI is not financially responsible for any costs associated with travel, lodging, meals or incidentals for accompanying guest(s).

In the event you must cancel, the iFTI and Metropolitan Travel Service must be notified within 7 days of the travel date or the District Council/Local Union will be responsible for any cancellation fees.

Dress Code

The dress code for iFTI classes in Hanover, Maryland is casual. Clothing should be neat, clean, and well-kept. Please no shorts, flip flops, sleeveless shirts, worn tennis shoes, sweatpants, sweatshirts, jeans with holes, rips, tears or any clothing that contains inappropriate language or that could be offensive. If you will be delivering a presentation / teach back, please dress in a professional manner.

Please call the iFTI at 410.564.5850 with any questions or concerns.