



ITI
**A WORLD
CLASS LEADER
IN CRANE
and RIGGING
TRAINING**



Industrial Training
INTERNATIONAL

**Lifting Workshops in Edmonton,
Fort McMurray & New York** Page 4

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Management** See Inside Back Cover

Training Catalog 2013

03/2013

CRANES • RIGGING • INSPECTION • LIFT PLANNING • CERTIFICATION



09.2012

Industrial Training International • 1.800.727.6355 • iti.com



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See how we can ensure your crane & rigging operations are world-class like you.

Our high energy field staff help client employees gain skills and knowledge using fun and interactive workshops. Proven techniques and quality materials make ITI the provider of choice for crane and rigging training and consulting through the following service divisions:

ITI serves its customers through 5 divisions:

Training - Hands-on crane and rigging training spearheaded by an interactive instructional design that never leaves a hand clean or a mind disengaged. Our students get dirty and learn with their hands as well as their minds – live loads, rigging, cranes operated by engaged students.

Field Services - Experience and expertise are what our clients appreciate the most when conducting services like audits, lift planning, accident investigation, and expert witness testimony. ITI is represented well as experts on the nation's most prestigious boards and organizations including ASME, ASSE and ACRP.

Certification - Nationally-accredited certification and exams for crane operators, riggers and signalpersons who need professional knowledge and skill level documentation, as well as ITI Qualifications and exams demonstrating understanding and proven ability.

Bookstore - The primary resource used by industry professionals and corporate trainers to educate themselves and all of their employees in the technical aspects of cranes, rigging, and heavy equipment.

E-Learning - Delivering knowledge and understanding to those who use cranes and rigging in easy-to-understand modules for beginners and veterans alike, accompanied by open-enrollment, hands-on learning opportunities at ITI Training Centers or customer locations.

Webinars - Each month ITI President and CEO Mike Parnell hosts a free webinar presentation for you to learn and discuss crane, rigging, and lifting matters important to your organization. Also check out the lineup of upcoming Training Modules delivered live by ITI Instructors. Learn right from your computer and earn ITI CEUs.

Workshops - ITI has been conducting crane, rigging, and lifting open-enrollment educational events since 1986. Notice, these are not “conferences”. ITI Workshops are single-track, interactive learning events that bring ITI course content to a specific region, tailored to a specific industry, with a few special guest speakers.

We have been assisting companies become world-class players by improving their crane and rigging operations for over 25 years. We'd love the opportunity to be of service to your company as well.

Sincerely,

Mike Parnell, President/CEO

Discover the ITI Lifting Workshops



Interactive rigging and lifting training workshops addressing the planning, execution, and logistics of lifting activities in a variety of industries and environments.

ITI has been conducting crane, rigging, and lifting open-enrollment educational events since 1986. Notice, these are not “conferences”. ITI Workshops are single-track, interactive learning events that bring ITI course content to a specific region, tailored to a specific industry, with a few special guest speakers.



Edmonton, Alberta June 17-19, 2013

Curriculum focuses on lifting activities conducted in heavy lift and transport, up/mid/down-stream oil and gas, energy infrastructure fabrication and installation, and all aspects of heavy rigging and lifting in a variety of industries.

Guest Speakers Include*:



Fort McMurray, Alberta September 4-6, 2013

Curriculum focuses on lifting activities conducted in upstream and midstream oil sands projects including infrastructure fabrication, installation, and maintenance, surface mining, cold flow, steam injection, and SAGD operations.



New York, New York November 6-8, 2013

Curriculum focuses on construction and maintenance lifting activities conducted in power generation environments including nuclear, oil, gas, hydro power stations, and wind energy.



For more information visit
iti.com/workshops

*Presentation lineup has not been finalized on all events.



Rigging Gear Inspector Level I & II • ITI Qualified • 2.4 CEU • WA 4 Days / TN 3 Days

The Certified Rigging Gear Inspector Program is designed to build and enhance the skills of the student to become a qualified, in-house rigging gear inspector. This program includes classroom workshops and multiple hands-on inspection activities.

Participants learn the removal criteria for wire rope, wire rope slings, synthetic slings, chain slings, rigging hardware and below-the-hook lifting devices according to the applicable OSHA and provincial regulations and ASME standards. Participants are given written exams and perform hands-on inspections of used and damaged gear to test their knowledge of the criteria learned.

Participants who successfully pass the program are issued a three year Level I Qualification. Level II is available to those who meet on-the-job inspection requirements.



ITI Training Center Course Dates Rigging Gear Inspector Level I & II

Apr. 29-May 2	Woodland	RGI1W1302	\$1,695.00
May 21-23	Memphis	RGI1T1301	\$1,695.00
Aug. 12-15	Woodland	RGI1W1303	\$1,695.00
Oct. 14-17	Woodland	RGI1W1304	\$1,695.00
Nov. 4-6	Memphis	RGI1T1302	\$1,695.00
Dec. 2-5	Woodland	RGI1W1305	\$1,695.00

Request a quote for training at your facility

Prep Courses Available

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Rigging Gear Inspector Level III

ITI Qualified • 2.4 CEU • 3 Days

The Rigging Gear Inspector Level III Program is designed for those who have attained a Level II Rigging Gear Inspector Qualification from ITI. The course covers product application and trouble-shooting, field analysis, field inspection processes, fabrication and quality control, wear and abuse prevention, and problem solving techniques for wire rope, wire rope slings, synthetic slings, chain slings, rigging hardware and below-the-hook lifting devices.

A written exam will determine participants' knowledge of manufacturing and fabrication techniques, ability to troubleshoot and confirm comprehension of how the regulations and standards are practically applied to daily crane and rigging activities. A five year Level III Qualification is issued to participants who successfully pass the program.



ITI Training Center Course Dates Rigging Gear Inspector Level III

July 23-25	Memphis	RGI3T1301	\$1,495.00
Nov. 5-7	Woodland	RGI3W1302	\$1,495.00

Request a quote for training at your facility



ITI Qualified Signalperson • ITI Qualified • 0.8 CEU • 1 Day

The ITI Qualified Signalperson Prep Course is conducted by ITI's Qualified Trainer and Evaluator and prepares participants to take the ITI Qualified Signalperson Written and Practical Exams. Candidates include signalpersons who are required to be qualified, meeting the new OSHA 1926.1400 Rule. This course and qualification can also benefit management personnel who oversee crane operations and lifts. The test prep course is conducted in a four hour session with the written and practical exams administered the same day.



Subjects include:

- Hand Signals
- Standard Voice Communication
- Site Considerations / Safety Issues / Hazards
- Basic Understanding of Crane Operations, Limitations and Capacities
- Standards / Regulations

ITI Training Center Course Dates ITI Qualified Signalperson			
June 3	Woodland	IQSW1302	\$595.00
Aug. 5	Woodland	IQSW1303	\$595.00
Oct. 7	Woodland	IQSW1304	\$595.00
Dec. 2	Woodland	IQSW1305	\$595.00

Request a quote for training at your facility

ITI Qualified Signalperson and ITI Qualified Rigger are conveniently scheduled back-to-back for those students who wish to enroll in both.

Day 1: Signalperson Prep Course
Signalperson Written & Practical Exams

Days 2-3: Rigger Prep Course
Day 4: Rigger Written & Practical Exams



Prep Course Available

E-Learning Pg. 16

**Discounted registration if you register for
ITI Qualified Signalperson and ITI Qualified Rigger: \$1,895**

ITI Qualified Rigger • ITI Qualified • 2.4 CEU • 3 Days

The ITI Qualified Rigger Prep Course is conducted by ITI's Qualified Trainer and Evaluator and prepares participants to take the ITI Qualified Rigger Written and Practical Exams. Candidates include riggers who are required to be qualified, meeting the new OSHA 1926.1400 Rule. This course and qualification can also benefit management personnel who oversee crane operations and lifts. The test prep course is conducted in two days with the written and practical exams being administered on the third day.



Subjects include:

- Slings and Rigging Hardware Identification and Inspection
- Rigging Equipment Capacities
- Sling Hitches and Capacities
- Hitch Configurations
- Sling Angles and Tensions
- Load Weight Estimation
- Center of Gravity
- Sling Protection
- Knots and Taglines Use
- Chain Fall Drifting
- Load Turning
- Winches and Blocks

ITI Training Center Course Dates ITI Qualified Rigger			
June 4-6	Woodland	IQRW1302	\$1,385.00
Aug. 6-8	Woodland	IQRW1303	\$1,385.00
Oct. 8-10	Woodland	IQRW1304	\$1,385.00
Dec. 3-5	Woodland	IQRW1305	\$1,385.00

Request a quote for training at your facility

*Test preparation course is not mandatory, but highly recommended.

**Participants who pass both the written and practical exams will receive ITI Qualification valid for five years.



Prep Course Available

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ITI Qualified Signalperson & Rigger Practical Examiner Workshop

ITI Qualified • 0.8 CEU • 1 Day

The Practical Examiner Workshop for Signalperson and Rigger is conducted by ITI's Qualified Trainer and Evaluator. Candidates include in-house qualified person(s) selected to present the prep course, written exams and practical exams to fellow employees, qualifying them as signalpersons and riggers and meeting new OSHA 1926.1400 Rule.

ITI Qualified Signalperson & Rigger Practical Examiner Workshop

Request a quote for training at your facility

Master Rigger • 3.2 CEU • 4 Days

The ITI Master Rigger Program is designed for participants that have had some exposure (2-10 years) to crane and rigging operations. The program exposes participants to a variety of equipment and applications which include multiple crane lifts, load turning, load drifting with chain hoists, jacking and rolling using mechanical, pneumatic and hydraulic systems, incline planes and managing the center-of-gravity in all three axis.

Program Subjects

- Rigging Gear Inspection
- Load Weight Estimation
- Sling Angles and Tension
- Load Control
- Center of Gravity
- Rigging Blocks and Winch Systems
- Chain Fall Load Drifting
- Levers, Jacks and Rollers
- Inclined Planes
- Spreader Lifts
- Multiple Hitch Systems
- Load Turning
- Multiple Crane Lifts
- Signals and Tag Lines
- Off-Level Pick Points
- Load Distribution
- Load Moving Procedures



Prep Courses Available

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ITI Training Center Course Dates Master Rigger

April 22-25	Memphis	MRT1302	\$1,695.00
May 13-16	Woodland	MRW1304	\$1,695.00
Aug. 19-22	Woodland	MRW1305	\$1,695.00
Oct. 21-24	Memphis	MRT1303	\$1,695.00
Nov. 11-14	Woodland	MRW1306	\$1,695.00
Dec. 9-12	Woodland	MRW1307	\$1,695.00

Request a quote for training at your facility

CIC Qualified Rigger-Advanced Certification Exams are conveniently scheduled after the Master Rigger Program.

Days 1-4: Master Rigger

Day 5: Qualified Rigger-Advanced Certification Exams.

Journeyman Rigger • 1.6 CEU • 2 Days

The Journeyman Rigger Program is designed to lay a foundation for attendees in the subjects of rigging and load handling. It is very interactive and calls for continuous participation with its workshop, problem-solving format.

This course is designed for the beginner to intermediate level person whose work assignments involve some rigging activity. The participants could include millwrights, boilermakers, pipe fitters, electricians, maintenance mechanics, construction workers, carpenters, welders, machinists, and any trade that conducts rigging tasks during work assignments.

All industries and their employees who handle and move loads or product in the course of their daily activities would benefit by the Journeyman Rigger Program.

Program Subjects

- Terms and Definitions
- D/d Ratio
- Effects of Shock Loading
- Load Control - Center of Gravity
- Load Weight Estimation
- Load Factors for Sling Legs
- Hitches and Pick Points
- Rigging Gear Inspection
- Come-a-Longs and Chain Falls
- Rigging Accident Case Studies
- Rigger's Checklist
- Proper Operating Practices
- Crane Hand Signals

Hands-On Session

Participants incorporate their Rigger's Checklist to rig and move live loads. Dynamometers are used to verify estimated load weights and sling tensions.

Journeyman Rigger and CIC Qualified Signalperson and Qualified Rigger Basic courses are conveniently scheduled back-to-back for those students who wish to enroll in both.

Day 1-2: Journeyman Rigger

Day 3: QS/QR-B Prep Course

Days 4: QS/QR-B Exams



Prep Courses Available

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ITI Training Center Course Dates Journeyman Rigger

July 16-17	Woodland	JRW1303	\$895.00
Sept. 16-17	Memphis	JRT1302	\$895.00
Oct. 1-2	Woodland	JRW1304	\$895.00
Nov. 7-8	Memphis	JRT1303	\$895.00

Request a quote for training at your facility



CIC Qualified Signalperson & Qualified Rigger - Basic

Test Preparation Program and Certification Exams • 0.8 CEU • 1.5 Days



The Qualified Signalperson & Qualified Rigger-Basic Program prepares participants to take the Qualified Signalperson/Basic Rigger Nationally Accredited written and practical exams. Candidates include signalpersons who are required to become qualified, meeting the new OSHA Rule. It is an excellent program for all who rig under the direct oversight of seasoned rigging personnel.

Test Preparation Program Subjects* • Day 1

- Slings and Rigging Hardware Identification and Inspection: 25%
- Use of Rigging Equipment: 45%
 - Basic Hitch Configurations
 - Knots and Tagline Use
 - Sling Protection
- Signaling: 30%
 - Basic Understanding of Crane Operations, Limitations and Capacities
 - Site Considerations / Safety Issues / Hazards
 - Standards / Regulations
 - Standard Voice Communications

Certification Exams • Day 2

- Nationally Accredited Certification
- The written and practical exams will be administered on the second day, following the test prep program
- Participants who pass both the written and practical exams will receive a CIC Qualified Signalperson/Basic Rigger Certification, valid for five years

Written Exam: 60 questions, 60 minutes

Practical Exam: Hand Signals, 10 minutes

ITI Training Center Prep Course & Exam Dates

CIC Qualified Signalperson & Qualified Rigger - Basic

July 18-19	Woodland	QSCW1303	\$690.00
Oct. 3-4	Woodland	QSCW1304	\$690.00

ITI Training Center Exam Only Dates

CIC Qualified Signalperson & Qualified Rigger - Basic

May 17	Woodland	QSEW1304	\$195.00
Aug. 23	Woodland	QSEW1305	\$195.00
Oct. 25	Memphis	QSET1303	\$195.00
Nov. 15	Woodland	QSEW1306	\$195.00
Dec. 13	Woodland	QSEW1307	\$195.00

Request a quote for training and/or exam administration at your facility

Journeyman Rigger and CIC Qualified Signalperson and Qualified Rigger Basic courses are conveniently scheduled back-to-back for those students who wish to enroll in both.

- Day 1-2: Journeyman Rigger
- Day 3: QS/QR-B Prep Course
- Days 4: QS/QR-B Exams

Prep Course Fee \$495.00

Exam Fee \$195.00

Prep Course Available

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*Test prep course is not mandatory to take exams



CIC Qualified Rigger - Advanced ▪ Certification Exams

1 Day



Industrial Training International offers certification exams for Nationally Accredited Qualified Rigger through Crane Institute Certification (CIC). Candidates include riggers who are required to become qualified, meeting the new OSHA Rule. In order to become a Qualified Rigger, the candidate must also complete and pass the CIC Qualified Signalperson & Qualified Rigger-Basic exams which are available to be taken on the same day.*

ITI's Master Rigger Program prepares candidates to take the Qualified Rigger-Advanced exams.

Qualified Rigger Exams

Written Exam: 75 questions, 90 minutes

- Determining Load Characteristics: 35%
 - Estimate Load Weights
 - Estimate Center of Gravity
 - Identify Lift Points and Mating of Rigging Equipment
 - Determine and Select Rigging Based on Load Share
- Rigging Method: 40%
 - Demonstrate Knowledge of Proper Load Control Techniques
 - Complex Hitch Configurations
 - Tensions Based on Rigging Angles
 - Rigging Equipment Capacities
 - Load Integrity
 - Incline Planes
 - Load Turning
 - Blocks and Winches
- Planning and Executing Routine/Non-Routine Lifts: 25%
 - Properly Select Slings and Rigging Hardware
 - Perform Operations that Involve Rotation or Inverting a Load with Hoists, Cranes or Other Lifting Equipment
 - Properly Select and Use Jacking and Rolling Equipment
 - Transfer Loads with Hoists (Drifting)
 - Preliminary Selection of Load Path

Practical Exam: 45 minutes

Challenge 1 – Rig the Load

Challenge 2 – Attach Tagline(s) and Conduct Pre-lift Meeting

Challenge 3 – Hoist, Move and Land the Load

Challenge 4 – Remove, Re-inspect and Return Rigging

Please see Page 6 for a complete outline of the Qualified Signalperson/Basic Rigger course and exams.

ITI Training Center Exam Dates CIC Qualified Rigger - Advanced

April 12	Woodland	QREW1303	\$790.00
April 26	Memphis	QRET1302	\$790.00
May 17	Woodland	QREW1303	\$790.00
Aug. 23	Woodland	QREW1305	\$790.00
Oct. 25	Memphis	QRET1303	\$790.00
Nov. 15	Woodland	QREW1306	\$790.00
Dec. 13	Woodland	QREW1307	\$790.00

Request a quote for exam administration at your facility

CIC Master Rigger and Qualified Rigger-Advanced are conveniently scheduled back-to-back for those students who wish to enroll in a preparatory program.

Exam Fees (written and practical)

* Qualified Signalperson & Qualified Rigger-Basic **Exam Fee \$195.00**

* Qualified Rigger-Advanced **Exam Fee \$595.00**

Prep Course Available

E-Learning Pg. 16



Crane Assembly & Disassembly Director | Lift

Crane Assembly & Disassembly Director, Lift Director and Critical Lift Planning Programs are among the highest level courses offered at ITI. They are paired together due to their similarity in nature, yet are defined differently due to the great importance of their individual content.

- **The Crane Assembly & Disassembly Director Course** identifies required applicable procedures of the assembly and disassembly of the crane booms and extensions, understanding capacities of the equipment and identifying the areas of hazard.
- **The Lift Director Course** describes the skill set that should be in place and areas of responsibility of the Lift Director, including how the Lift Director is selected, what his tasks are and to whom he is accountable.
- **The Critical Lift Program** highlights the data, the assignments and the procedures that the Lift Director must manage.

Those who wish to participate in the Crane Assembly & Disassembly Director, Lift Director and Critical Lift Programs should have some exposure to mobile crane activity and load chart usage. Knowledge of overhead crane and tower crane operations are also useful. Previous training or experience with a variety of rigging tasks will help the participant ramp up quicker in the applications described during the course. Having served as a crane operator or rigger in the field is not a requirement for any of these programs.

Participants benefit by pairing these courses together over five days.
 Days 1-2: Crane Assembly & Disassembly Director
 Day 3: Lift Director / Site Supervisor
 Days 4-5: Critical Lift Planning

Crane Assembly & Disassembly Director • 1.6 CEU • 2 Days

Program Subjects

- Components and Configuration
- Lattice Boom A/D
- Boom Extension/Jib A/D
- Manufacturer's Prohibitions, Warnings and Instructions
- Recommended Corporate Guidelines
- OSHA 29 CFR 1926.1400 Assembly & Disassembly

Hands-On Session

Over 50% of the program involves assembly and disassembly field projects for lattice boom cranes and hydraulic cranes with boom extensions and/or jibs.



ITI Training Center Course Dates Crane Assembly & Disassembly Director

June 17-18	Woodland	ADW1302	\$1,095.00
Oct. 21-22	Woodland	ADW1303	\$1,095.00

[Request a quote for training at your facility](#)



Director & Site Supervisor | Critical Lift Planning

Lift Director & Site Supervisor • 0.8 CEU • 1 Day

Program Subjects

- ASME B30.5 Responsibilities
- Lift Site Preparation
- Traffic Control
- Load Chart Confirmation
- Responsibilities of:
 - Operator
 - Rigger
 - Signaler
- Hazard Recognition
- Multiple Crane Lifts
- Lifting Personnel

Hands-On Session

Participants execute a planned suspended personnel platform lift using a field form.



ITI Training Center Course Dates Lift Director & Site Supervisor

June 19	Woodland	LDSSW1302	\$695.00
Sept. 18	Memphis	LDSST1302	\$695.00
Oct. 23	Woodland	LDSSW1303	\$695.00

[Request a quote for training at your facility](#)



Prep Courses Available

[Webinars Pg. 23](#)

Critical Lift Planning • 1.6 CEU • 2 Days

Program Subjects

- Load Affirmation
- Crane Verification
- Rigging Confirmation
- Work Site Approval
- Pre-Lift Checklist
- Load Schematic/Rigging Method
- Load Travel Path/Personnel Placement
- Load Handling Sequence and Procedures

Hands-On Session

Participants will work in teams to execute a critical lift plan using mobile cranes and designated loads. Each team will be required to complete the plan according to the procedures they have outlined. The presentation and critiquing of each lift plan will complete the course.

ITI Training Center Course Dates Critical Lift Planning

June 20-21	Woodland	CLPW1302	\$995.00
Sept. 19-20	Memphis	CLPT1302	\$995.00
Oct. 24-25	Woodland	CLPW1303	\$995.00

[Request a quote for training at your facility](#)



Prep Course Available

[Webinars Pg. 23](#)



Mobile Crane Operator - Initial • 8.0 CEU • 10 Days

This program is designed to help a person who has little or no experience with mobile crane operation. The course helps establish good operating practices while gaining seat-time and real-life operating experience for the participant. Participants will conduct pre-operational inspections of hydraulic and/or lattice/conventional cranes. Each will be given individual instruction regarding crane operating basics and will gain seat-time while handling an empty and loaded hook.

Program Subjects

- Center of Gravity
- Radius
- Rated Strength
- Leverage
- Counterweights
- Load Charts
- Stability
- Range Diagram
- Load Weight Calculation
- Wind
- Side Loading
- Static/Dynamic Loading
- Tipping Axis
- Outrigger Position
- Reeving
- Swingout
- Multi-Crane Lifts
- Gross/Net Loads
- Crane Setup
- High Voltage
- OSHA/ASME Standards
- Operator's Responsibilities
- Simple Maintenance
- Daily Inspection
- Jibs/Boom Extensions
- Calculating Capacities
- Boom Length/ Angle
- Operating Practices
- Pick and Carry Practices



ITI Training Center Course Dates
Mobile Crane Operator - Initial

Request a quote for training at your facility

Mobile Crane Operator • ITI Qualified • 4.0 CEU • 5 Days

This program is designed to increase the crane operator's knowledge, skill and proficiency level through classroom and hands-on training. Students can achieve qualified operator status by successfully completing written and hands-on segments. Qualification is for LBT (Lattice Boom Crane) and TLL (Large Telescopic, above 17.5 tons). Qualification for other types and capacities is available by special arrangement and for additional fees. This is an excellent prep course for those who wish to take the NCCCO or CIC national certification exams.

The candidates for the mobile crane operator program are individuals who wish to be apprentices in crane handling, crane maintenance personnel, and current operators who have been trained by "field practices", but not yet exposed to the formal side of crane subjects. This course is also excellent for supervisory persons and lift directors who did not rise through the trades in the seat of a crane.

Program Subjects

- Center of Gravity
- Radius
- Rated Strength
- Leverage
- Load Charts
- Side Loading
- Outrigger Position
- Calculating Capacities
- Boom Length / Angle
- Operating Practices
- OSHA and ASME Standards
- Operator's Responsibilities
- Static/Dynamic Load
- Range Diagram
- Load Weight Calculations
- Reeving
- Gross and Net Loads
- Set-up
- High Voltage
- Daily Inspection
- Pick and Carry Practices



ITI Training Center Course Dates
Mobile Crane Operator

Sept. 16-20	Woodland	MCOW1302	\$1,595.00
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Request a quote for training at your facility



CIC Mobile Crane Operator Certification

Test Preparation Program and Certification Exams • 2.4 CEU • 5 Days



This program is designed to prepare participants to take the general and crane-specific exams in the CIC Operator Certification Series.

Program Subjects

The preparatory course and certification exams sponsored by Industrial Training International are formatted into three parts over a five day period for qualified candidates.

Test Preparation Training* (Monday-Wednesday) is a classroom only program, complete with training sessions, sample exams and load chart exercises.

Written Exams

The Mobile Crane Operator General Knowledge Exam is administered. Additionally, candidates may choose any of the supplemental exams listed below.

- Lattice Boom Crawler
- Lattice Boom Carrier
- Large Telescoping Boom, over 75 tons
- Medium Telescoping Boom, 21-75 tons
- Small Telescoping Boom, under 21 tons

*The Test Prep Course is not mandatory to take the exams.

Crane practice time is available at \$125 per 1/2-hour at Woodland only.

Practical Exams**

Candidates perform the hands-on practical portion of the Mobile Crane Operator Certification process. Practical exams are provided based on the candidate's category selection. **ONE practical exam will qualify the operator in that category and all lesser categories.

Course Fee \$1,395.00 (Test prep only)

Written Exam \$360 • Practical Exam \$440

ITI Training Center Course Dates

CIC Mobile Crane Operator Certification

Sept. 23-27	Woodland	MC0CW1302	\$2,195.00
October 7-11	Memphis	CIC MCO	\$2,195.00

Request a quote for training at your facility

Certification Category	Crane Tonnage
Lattice Boom Crawler	all models
Lattice Boom Carrier	all models
Large Telescoping Boom	over 75 tons
Medium Telescoping Boom	21-75 tons
Small Telescoping Boom	under 21 tons

** Washington State and Pennsylvania require crane operators to be certified on each crane type they will be operating. Those operators will be required to take a practical exam on each crane type they need certification on.

Mobile Crane Inspector • ITI Qualified • 4.0 CEU • 5 Days

This course is designed to help field personnel identify damage and wear on mobile crane components.

The program is designed for crane maintenance mechanics and inspectors. It focuses on spotting the problems and identifying the damage that can be discovered through external evaluation. It addresses MESH (mechanical, electrical, structural and hydraulic) components. This course is a great prep program for those who need to take a state or nationally accredited "certified inspector" exam.

All mechanics and maintenance personnel who are responsible for their company's crane(s) should attend this program, especially those industries with high use cranes, such as production and construction. Those whose companies are governed by unique state or federal laws requiring "certified" inspectors should also attend.

Program Subjects

- OSHA/ASME Standards
- Daily, Monthly and Annual Checklists
- Inspection Requirements
- Upper Revolving Structure
- Electrical, Hydraulic and Air Systems
- Safety Devices
- Lower Structure
- Testing
- Wire Rope
- Outriggers
- Boom
- Washington State Crane Inspection Requirements

Hands-On Session

Hands-on inspections of Conventional (Lattice) and Hydraulic Boom Cranes will be performed by participants, and a performance evaluation of each inspector will be conducted.

A three year ITI Qualification is issued to participants who successfully pass the written exam and performance evaluation of one or both crane types.



ITI Training Center Course Dates

Mobile Crane Inspector

Aug. 5-9	Woodland	MCIW1302	\$1,595.00
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Request a quote for training at your facility



Overhead Crane Operator

Offered at Your Facility • 0.8 CEU • 1 Day

This is an outstanding course for introducing “crane operation basics” to new hires and veteran operators. It highlights both pre-use inspection and operation, plus offers a short but important segment on rigging and load handling.

Anyone who is required to operate a crane while performing standard work, crane maintenance personnel or crane operations trainees should attend this program.

Any industry (company) whose livelihood depends on material and equipment being safely handled by overhead or gantry cranes should require that their employees participate and successfully complete this course. Power plants, dams, refineries, fabrication facilities, manufacturing sites, shipbuilding and repair yards, and paper mills are just a few of the industries which have a high volume of cranes that will benefit by having trained and skilled operators.

Program Subjects

- Introduction to Overhead Cranes
- OSHA/ASME Standards
- Load Control
- Load Weight Estimation
- Sling and Rigging Hardware Selection
- Daily Inspections
- Control Functions
- Crane Operating Practices
- Hand Signals

Hands-On Operations



Request a quote for training at your facility

Overhead Crane Inspector

Offered at Your Facility • 2.4 CEU • 3 Days

This course will assist attendees in identifying the most likely wear areas and damage issues related to overhead and gantry cranes.

The primary candidates for this course are journeyman electricians and lead millwrights who are assigned to perform frequent and periodic inspections of overhead and gantry cranes.

All industries who depend on overhead and gantry cranes to handle raw materials or fabricated or finished products as a part of their daily activities will benefit from this program.

Program Subjects

- OSHA/ASME Standards
- Hoist Chain Inspection
- Wire Rope Installation
- Daily, Monthly and Annual Checklists
- Wire Rope Inspection
- Limit Switches
- Brakes
- Hooks
- Structural
- Drive Trains
- Runway
- Electrical
- Testing

Hands-on Inspections



Request a quote for training at your facility

Forklift and Telehandler Operator

ITI Qualified • 0.8 CEU • 1 Day

Program Subjects

- Terminology
- Pre-Op Inspection
- Stability and Capacity
- Load Chart Interpretation
- Attachments
- Operating Practices
- Fueling
- Load Handling
- Battery Care
- Calculating Load Weight

Hands-On Session

All participants will be required to prove proficiency in pre-op inspection, control knowledge, machine handling, load retrieval and placement, working on inclines and parking.

A three year ITI Qualification is issued to participants who successfully pass the written exam and performance evaluation for forklift (warehouse operation) and/or telehandler (yard operation).

ITI Training Center Course Dates

Forklift and Telehandler Operator

Request a quote for training at your facility

Prep Course Available

E-Learning Pg. 16



Skid Steer Operator

ITI Qualified • 0.8 CEU • 1 Day

Program Subjects

- Terminology
- Pre-Op Inspection
- Stability and Capacity
- Axle Loading
- Steering
- Bucket Loading
- Fueling
- Safe Practices

Hands-On Session

All participants will be required to perform a pre-operational inspection and operating control demonstration. A work assignment must be performed using the loader bucket in a variety of applications, while traveling and turning with the bucket loaded and empty.

A three year ITI Qualification is issued to participants who successfully pass the written exam and the hands-on performance evaluation for skid-steer operator.

ITI Training Center Course Dates

Skid Steer Operator

Request a quote for training at your facility



ITI E-Learning

Blended Learning for Your People!
E-Learning courses can be taken in part as prep courses for several instructor-led courses as well as stand-alone when taken in full. When you call in to register – ask for the Training Center Student Discount.



Basic Rigger | 4 hrs.

- Rigging Identification
- Steel Slings
- Synthetic Slings
- Rigging Hardware
- Hitch Capacities and Sling Protection

Online Course # ELBR \$145.00
DVD Rom # ELBR-DVDR \$1995.00
DVD Video # ELBR-DVDV \$1995.00



Signalperson & Crane Operations | 4 hrs.

- Crane Types, Operations, Capacities, Dynamics
- Knots, Hitches, Taglines
- Hand Signals
- Voice Signals

Online Course # ELBR \$145.00
DVD Rom # ELSP-DVDR \$1995.00
DVD Video # ELSP-DVDV \$1995.00



Intermediate Rigging | 3 hrs.

- Journeyman Rigger's Reference Card Orientation
- Load Weight Estimation
- Center of Gravity
- Load Distribution
- Load Control
- Sling Tension

Product # ELIR | Price: \$195.00



Advanced Rigging | 3 hrs.

- Master Rigger's Reference Card Orientation
- Load Turning
- Chain Hoists / Load Drifting
- Winches and Blocks
- Levers, Jacking, Rolling
- Off-Level Pick Points

Product # ELAR | Price: \$195.00

Our current library also includes:

Equipment Safety Series

The Equipment Safety Series consists of the following 1.5-hour courses that meet the OSHA general equipment safety requirements for operation of the specified equipment. Quantity discounts available.

Sit Down Counterbalance Forklift
ELSDCF • \$79.99

Stand Up Forklift
ELSUF • \$79.99

Telescopic Handler
ELTH • \$79.99

Rough Terrain Crane
ELRTC • \$79.99

Boom Truck
ELBT • \$79.99

Articulated Boom Truck
ELABT • \$79.99

Pedestal Mounted Crane
ELPMC • \$79.99

Overhead Crane
ELOC • Price: \$79.99

Utility Truck
ELUT • \$79.99

Vehicle Mounted Aerial Lift
ELVMAL • \$79.99

Aerial Lift/Scissor Lift
ELALSL • \$79.99

Pedestal Mounted Crane (Spanish)
ELPMS • \$79.99

Sit Down Counterbalance Forklift (Spanish)
ELSDCBS • \$79.99

Pedestal Mounted Crane (Filipino/Tagalog)
ELPMSF • \$79.99

Sit Down Counterbalance Forklift (Filipino/Tagalog)
ELSDCFF • \$79.99

iti.com/e-learning

Top Training Tools for Your Crew!

The ITI Bookstore with over 300 products is the primary resource used by industry professionals and corporate trainers to educate themselves and all their employees in the technical aspects of cranes, rigging and heavy equipment.



In A Flash! Field Reference Guide
Item #2200
\$19.95



In A Flash! Rigging Inspection Training Program CD
Item #5406 \$395.00



Overhead Crane Operator Training CD
Item #5408 \$499.00

This complete training program contains a PowerPoint® presentation, instructor manual, student workbook, answer key and 10 Journeyman Riggers reference cards.



ITI Qualified Signalperson Testing package CD
Item #4150 \$395.00

This complete Signalperson Testing Package includes: examiner guide, exam score sheet, 15 written exams, answer key, qualification card template and certificate template.



Reference Cards & Posters
A full line of reference cards & posters including Journeyman Rigger, Master Rigger, Rigging with the Big Stuff, Lineman Rigger, Mobile Crane Operator and more!



Item #2020
\$15.95



Item #2030
\$16.00



Item #2010
\$16.95



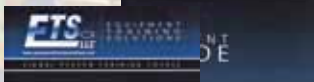
Item #9012
\$9.95



Item #5300
\$39.50



ETS Signalperson Training Program Student Guide
Item #3155 \$9.99



ETS Signalperson Training Program Instructor Guide
Item #3150 \$499.00



Mike's Rigging Mysteries
Item #7000 \$49.95
Boxed set includes over 100 rigging workshops!



Mike's Safety Tips
Item #7050 \$6.99
3-Booklet Set - Excellent handout for toolbox topics & safety meetings.





A Few of Our World Class Customers



testimonials

The first round of mobile crane training has been completed. ITI has done an outstanding job of engaging our employees in both classroom and hands-on training. I can honestly tell you that we hire instructors for all kinds of different purposes, and what stands out the most with this training is the feedback that I am getting from the employees. Every single one of them at some point during the week has come to my office to express how well the instructor translated the curriculum into useful, meaningful, easy-to-understand information.

On behalf of Xcel Energy, I would like to thank ITI for the first-class service that they provided to us. We look forward to continued business relations now and in the future.

~ Keith D. Jackson, Maintenance Supervisor, Xcel Energy, Becker, Minnesota, USA

After attending ITI's Master Rigger training course back in 2006 we knew that the Boilermakers had found the absolute direction in which we should take our rigging training – hands-on, action-packed, and engaging.

ITI has since trained-up dozens of Boilermakers, is assisting in the implementation and design of the Local 146 Training Center, utilizing ITI's rigging training program – tailoring it specifically for boilermaker-related rigging. We anticipate using ITI's program for years to come for our members across Canada.

~ Grant Jacobs, Director of National Training, Boilermakers National Training Trust Fund, Edmonton, Alberta, Canada

~ Darwin Leitch, Construction Manager for the Rigging, Fitting, & Mechanical Training Facility, Boilermakers Local 146, Edmonton, Alberta, Canada

Agrium has completely joined ITI arm-in-arm to educate our personnel in advanced rigging and lift planning practices. I can't tell you how many 'eye-openers' I have seen our people experience with the hands-on education they are receiving. We are committed to training all of our personnel conducting lifting activities with ITI because the results are that good.

~ Kevin Ewasiw, Metal Supervisor in Nitrogenous, Agrium, Ft. Saskatchewan, Alberta, Canada

I have experienced a huge amount of technical training over my 35-year career and I must enthusiastically say that ITI's rigging gear inspection course is one of the very best I have ever attended. Superlative organization and instructor/student interchange. Thank you ITI!!!

~ Dean Faina, SSA International, Panama City, Panama

I was very impressed with ITI's facility and course materials. The problem-solving portion of the Advanced Rigger course and curriculum is some of the best I have ever seen. The facility has almost every lifting technology you can imagine available for use and training. The practical problem-solving exercises are very educational and well thought out. I can easily recommend a continuing relationship with ITI for our training.

~ Forrest Ramey, Hawaiian Dredging Construction Company, Honolulu, Hawaii, USA



Woodland, WA Courses by Date

ITI Woodland Training Center
 9428 Old Pacific Hwy, Woodland, WA 98674
 (Please visit iti.com for a detailed map of our location.)



MAY

13-16	Master Rigger
17	CIC Qualified Signalperson & Qualified Rigger Exams & Advanced Rigger Exams
May 29- June 2	Rigging Gear Inspector Level I & II

JUNE

3	ITI Qualified Signalperson Prep Course & Exams
4-6	ITI Qualified Rigger Prep Course & Exams
17-18	Crane Assembly & Disassembly Director
19	Lift Director/Site Supervisor
20-21	Critical Lift Planning

JULY

16-17	Journeyman Rigger
18-19	CIC Qualified Signalperson & Qualified Rigger Prep Course & Exams

AUGUST

5-9	Mobile Crane Inspector
5	ITI Qualified Signalperson Prep Course & Exams
6-8	ITI Qualified Rigger Prep Course & Exams
12-15	Rigging Gear Inspector Level I & II
19-22	Master Rigger
23	CIC Qualified Signalperson & Qualified Rigger Exams & Advanced Rigger Exams

SEPTEMBER

16-20	Mobile Crane Operator
23-27	CIC Mobile Crane Operator Prep Course & Exams

OCTOBER

1-2	Journeyman Rigger
3-4	CIC Qualified Signalperson & Qualified Rigger Prep Course & Exams
7	ITI Qualified Signalperson Prep Course & Exams
8-10	ITI Qualified Rigger Prep Course & Exams
14-17	Rigging Gear Inspector Level I & II
21-22	Crane Assembly & Disassembly Director
23	Lift Director and Site Supervisor
24-25	Critical Lift Planning

NOVEMBER

5-7	Rigging Gear Inspector Level III
11-14	Master Rigger
15	CIC Qualified Signalperson & Qualified Rigger Exams & Advanced Rigger Exams

DECEMBER

2-5	Rigging Gear Inspector Level I & II
2	ITI Qualified Signalperson Prep Course & Exams
3-5	ITI Qualified Rigger Prep Course & Exams
9-12	Master Rigger
13	CIC Qualified Signalperson & Qualified Rigger Exams & Advanced Rigger Exams

Memphis, TN Courses by Date

ITI Memphis Training Center
 2163 Airways Blvd, Memphis, TN 38114
 (Please visit iti.com for a detailed map of our location.)



MAY

21-23	Rigging Gear Inspector Level I & II
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JULY

23-25	Rigging Gear Inspector Level III
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SEPTEMBER

16-17	Journeyman Rigger
18	Lift Director/Site Supervisor
19-20	Critical Lift Planning

OCTOBER

21-24	Master Rigger
25	CIC Qualified Signalperson & Qualified Rigger Exams & Advanced Rigger Exams

NOVEMBER

4-6	Rigging Gear Inspector Level I & II
7-8	Journeyman Rigger

Canada Training Courses by Date



Edmonton Training Center
 Bay 1, 8306 -113th Street
 Fort Saskatchewan, AB T8L 3T8

Vancouver Training Center
 Unit 1, 9663-199A Street
 Langley, BC V1M 2X7

JULY	
15-17	Rigging Gear Inspector Fort Saskatchewan, AB
18-19	Lift Director / Critical Lift Planning Fort Saskatchewan, AB
OCTOBER	
28-30	Rigging Gear Inspector Fort Saskatchewan, AB
Oct. 31- Nov. 1	Lift Director / Critical Lift Planning Fort Saskatchewan, AB

NOVEMBER	
18-20	Rigging Gear Inspector Langly, BC
21-22	Lift Director / Critical Lift Planning Langly, BC
DECEMBER	
2-4	Rigging Gear Inspector Fort Saskatchewan, AB
5-6	Lift Director / Critical Lift Planning Fort Saskatchewan, AB

USA Training Centers

ITI maintains two fully-equipped, state-of-the-art training centers inside the U.S. where students gain the skills, knowledge and credentials for success in the crane and rigging industry. ITI currently leases facilities in Western Canada.

Woodland, WA



Memphis, TN



No matter which social media you're on, you can follow ITI. Join our group on LinkedIn (Industrial Training International, Inc.), catch the latest tweet on Twitter (www.twitter.com/IndustTrainIntl) or catch up on industry trends and news on the Facebook page (Industrial Training International, Inc.).



Program Information

Registration and Course Fees

Prepayment by check or credit card is required. Payment must accompany the registration. If paying after program start date, add \$50 to each registration fee.

Personal Protective Equipment

Coveralls or appropriate work attire, gloves and steel-toed footwear are recommended. Hard hats, safety glasses, safety vests and ear protection are provided.

Program Recording

Audio and video recording of programs is prohibited.

Program Time

Programs are held from 8am - 5pm each day.

Cancellation Policy

With 30 days advance notice, a full refund will be issued (less a 5% processing fee) or fees may be applied towards another program held within 1 year. Cancellations made within 30 days of the program and "no-shows" will be liable for the entire fee.

If it is necessary for ITI to cancel a program, you will be notified at least one week prior to the class start date. Please purchase airline tickets accordingly and check with your travel agent. ITI will not be responsible for non-refundable travel fees.

Woodland Training Center

Airline Flights

Flights should be made into Portland International Airport in Portland, OR.

Lodging

Woodland, Washington (5 minutes from ITI)

Lewis River Inn: 800.543.4344

Vancouver, Washington (25 minutes from ITI)

Residence Inn Marriott: 360.253.4800

The Heathman Lodge: 888.475.3100

Memphis Training Center

Airline Flights

Flights should be made into Memphis International Airport in Memphis, TN.

Lodging

Fairfield Inn & Suites by Marriott: 662.349.6640

Courtyard by Marriott: 662.996.1480

Edmonton Training Center

Airline Flights

Flights should be made into Edmonton International Airport in Edmonton, AB.

Lodging

Please contact ITI for discounted rates at local hotels.

Registration Information

Prepayment is required to guarantee your seat. Reservations can be made by calling 1.800.727.6355 or online at iti.com, or by mailing a check to P.O. Box 1660, Woodland WA 98674 USA.

ITI offers a full range of training programs to meet every need and industry. For over 27 years, we have been the number one source for crane and rigging training.

On-Site Training

On-site training brings a customized program to your facility. Regardless of industry, ITI's reputation for implementing successful training is unmatched. On-site programs are customized for your cranes, equipment, job requirements, and regulatory compliance requirements.

Scheduled Training at our Training Centers

Individuals seeking training, as well as companies who require training for a few persons, often find our open enrollment courses meet their needs and budget. Each program is designed to provide a practical approach that will advance knowledge, skill, and confidence, upgrade technical skills and enhance safety awareness.



1.800.727.6355
iti.com

ITI Webinars

Check out the lineup of upcoming Training Webinar Courses delivered live by ITI Instructors. Gain crane and rigging knowledge through live, interactive, instructor-led training modules right from your computer. Course curriculum and resources will be available digitally and interactive, problem-solving workshops will comprise each session. Learn right from your computer and:

- Earn ITI CEUs
- Increase Theoretical Knowledge
- Interact with the Instructor and Other Students
- Maintain the Course Curriculum and Materials
- Courses Limited to 25 Attendees

Upcoming webinars:

- Lift Director & Site Supervisor
- Critical Lift Planning
- Rigging Gear Inspector for Supervisors
- Advanced Rigging: Load Distribution & Center of Gravity
- Advanced Rigging: Multi-Crane Lifts & Load Turning

iti.com/webinartraining



ITI Field Services

Experienced Minds & Hands

Crane & Rigging Accident Investigation - Crane, rigging, and wire rope failure analysis is provided for clients who experience accidents.

Expert Witness Testimony for Crane & Rigging Activities - Services are provided for clients with claims concerning crane and rigging practices and suitability of equipment.

Crane and Rigging Audits - Evaluations which reveal current status of client operations are compared to recommended improvements.

Lift Director Services - Management and oversight of critical lift activities.

Critical Lift Planning - Lift plan development and review are provided for special lifting or load handling activities.

iti.com/fieldservices



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