



**International Union of Operating Engineers Local 150
Apprenticeship & Skill Improvement Program**

2021-2022 Training Schedule and Course Catalog



**James M. Sweeney,
Chairman
Local 150 Apprenticeship & Skill
Improvement Program**

**David Snelten,
Secretary-Treasurer
Local 150 Apprenticeship & Skill
Improvement Program**

19800 W. South Arsenal Road Wilmington, Illinois 60481 (815) 722-3201



International Union of Operating Engineers, Local 150 Apprenticeship and Skill Improvement Program

James M. Sweeney, Chairman

Address- 19800 West South Arsenal Road, Wilmington, Illinois 60481

Phone- (815) 722-3201 • **Fax-** (815) 423-5749 • **Web-** www.asiplocal150.org

Introduction

Brothers and Sisters,

After a challenging year that saw the pandemic interrupt our training season and close our Training Center, we are excited to welcome you back this year. Our staff has worked hard to identify and provide the most valuable training options to make you as complete and versatile an operating engineer as possible.

Our program has had to adapt to meet public health requirements and laws over the past year to provide staff and members the safest teaching and learning environment possible. Thank you all for observing these new guidelines and procedures.

Across Local 150's jurisdiction, there is currently an abundance of work opportunities for members. With the world-class instruction at your fingertips, you've got everything you need to be successful this year.

Our Training Center is an incredible asset, and it is here to make you the best operating engineer you can be. Don't take this opportunity for granted. Come out when you aren't working to brush up your skills or learn something new. I can promise that you'll be glad you did.



James M. Sweeney

President - Business Manager
IUOE Local 150,

General Secretary-Treasurer
IUOE,

Chairman
IUOE Local 150 Apprenticeship
& Skill Improvement Program

COVID - 19

Policies and Procedures

Due to the COVID-19 (coronavirus) pandemic, the Local 150 ASIP Training Center is taking proactive steps to address several concerns regarding training and instruction. First and foremost, we want to maintain a safe workplace for our employees and a safe training atmosphere for our members.

In addition to following public health laws and observing applicable mandates and Executive Orders, the Local 150 ASIP Training Center will follow the recommendations of the Centers for Disease Control and Prevention (CDC) and the Illinois Department of Public Health (IDPH) while conducting business. During the upcoming training season, we will do our best to update all employees, members and visitors of current prevention strategies and policies in place and we respectfully request that everyone adhere to the current policy in place before entering the building to begin training. Your cooperation is greatly appreciated.

Please check our website for the most current policy information.



**U.S. Department of
Health and Human Services**
Centers for Disease
Control and Prevention



ILLINOIS DEPARTMENT OF PUBLIC HEALTH
IDPH
PROTECTING HEALTH, IMPROVING LIVES

For COVID Resources, Please Visit:

<https://www.cdc.gov/>

or

<https://www.dph.illinois.gov/>

Table of Contents

Course Registration Information	4	Introduction to Skid-Steer Loaders	16
Policy and Usage Information	4-6	Introduction to Dozers	16
Member Education	7-8	Introduction to Demolition	17
Labor Education	7	Introduction to Excavators	18
Know Your Union	7	Mass Dirt	18
COMET	8	Introduction to Combination Backhoe	19
Labor Studies	8	Introduction to Gradalls	19
First Aid	8	Introduction to Hydro-Vac Excavation	19
Standard First Aid/CPR/AED	8	Dirt Equipment Certification	20
Safety Instruction	9-12	Advanced Excavator Techniques	20
OSHA 10-Hour Safety Awareness	9	Advanced Dozer Techniques	20
OSHA 30-Hour Safety Awareness	9	Advanced Blade Techniques	20
40-Hour Hazardous Material Awareness	10	Road Construction	21-23
8-Hour Hazardous Material Refresher	10	Introduction to Asphalt Paving and Rolling	21
OSHA Disaster Site Worker	10	Fundamentals of Asphalt Paving and Rolling	22
Confined Space Awareness	11	Introduction to Road Grinding	22
Mobile Elevated Work Platform	11	Intro to Material Transfer Vehicles and Road Wideners	22
OSHA Powered Industrial Truck	11	Concrete Pumping	22
BROKK - Level 1	12	Introduction to Concrete Plants	23
Mine Safety	12-13	Assistant Plant Operator	23
MSHA Surface New Miner	12	Sitework, Staking, GPS and Drones	24-26
MSHA Surface Refresher	13	Grade Stakes, Layout and Plan Reading	24
MSHA Underground New Miner	13	Introduction to Digital Take-Off	24
MSHA Underground Refresher	13	GPS: Survey and Rover Pole	25
Pipeline Industry	14-15	GPS and Machine Control	25
Introduction to Pipeline and Gas Distribution	14	Drone - Levels 1 & 2	26
Pipeline Sideboom Techniques	14	Operating Engineers Certification Program	27
Pipeline Excavator Techniques	15	OECP Test Dates	27
Mass Dirt, Demolition and Hydro-Vac	15-20	Crane Department	28-32
Introduction to Sewer and Water Principles	15	Introduction to Cranes	29
Basement Digging	16	Fundamentals of Hoisting and Rigging	29

Table of Contents (cont.)

Introduction to Tower Cranes	29	Construction Material Inspectors	41-50
Advanced Hoisting and Rigging	30	ICC General Requirements Special Inspector	41
Principles of Friction Cranes	30	Introduction to Resume Building	41
Signal Person Safety Training	31	Introduction to Interviewing Techniques	41
Rigging Person Safety Training	31	Math I & II	42
Mobile Crane	31	Floor Flatness	42
Crane Math and Load Charts	32	Post Tension Unbonded Installer and Inspector	42
Liebherr 1095 Assembly/Disassembly	32	Pre-Cast/Prestressed Plant Quality Control	43
Heavy Equipment Technician Classes	33-36	Pre-Cast/Prestressed Concrete Field Auditor	43
Electrical I, II & III	33	Prestressed/Post Tension Concrete Inspection	43
Hydraulics I & II	34	ICC Pre-Stressed Concrete Special Inspector	43
Diesel Fuel Systems	34	Reinforced Concrete Inspection	44
Electronic Engine Controls	35	ICC Reinforced Concrete Special Inspector	44
Engine Disassembly and Assembly	35	Masonry Inspection	45
Mobile Air Conditioning Service and Cert.	36	ICC Structural Masonry Special Inspector	45
Tier 4 Final	36	Soils - Classification & Field Inspection	46
Bolt Extraction and Plasma Cutting	36	ICC Soils Special Inspector	47
Heavy Equipment Welding Classes	37	AWS - Certified Welding Inspector	47
Shielded Metal Arc Welding (SMAW) 1 & 2	37	High-Strength Bolting Inspection	47
Gas Metal Arc Welding (GMAW)	37	ICC Structural Steel and Bolting Inspector	48
Flux Cored Arc Welding (FCAW)	37	Spray-Applied Fireproofing Inspection	48
Drilling Classes	38-40	ICC Spray-Applied Fireproofing Inspector	48
Exploratory Drilling Levels 1 & 2	38	Structural Blueprint Reading	48
Introduction to Geothermal Drilling	39	Welding Symbols, Blueprints & Inspection	49
HDPE Pipe Fusion	39	ICC Structural Welding Special Inspector	49
Introduction to Geothermal Systems	39	Introduction to Aggregate Technician	50
Drilling Mud and Solids Control Systems	39	Introduction to Hot Mix Asphalt - Levels 1 & 2	50
Horizontal Directional Drill - Levels 1 & 2	40	Introduction to Portland Cement Concrete - 1 & 2	50
Caisson Drill Rig Class	40	Commercial Truck Driving	51
		Driver Loading and Unloading Procedures	51

Course Registration Information

Registration for this fall season will be limited to classes occurring within a 30-day period from the date that you call in to register. So for example; if you call in to register for a class on October 1st, you will only be able to register for classes starting in October through November 1st. This should alleviate a couple of issues at the Training Center, one being the flood of calls that normally take place the first few weeks of registration and second being a reduction in the amount of no-shows that occur later in the season as members start to return to work or forget they signed up for a class three months prior.

ASIP is now offering online registration for a limited number of classes. Classes with prerequisites will not be available for online registration at this time. Please visit www.asiplocal150.org to view our upcoming classes. Once you login, you can click on the “Member Services” link listed in the center of the main page where you will then find the “Classes” link. The classes available for online registration will have a “Register” link next to the number of open spaces in the class. Once signed up, you will receive an email confirmation as long as you have a valid email on file with the Apprenticeship Office. If you do not have an email address on file with the Apprenticeship Office, you will still be registered. If you are not able to attend class once registered, we please ask that you re-visit the Training Center to cancel your registration or call us at 815-722-3201

Training Center Policy and Usage Information

Dress Code

All members using the training site must wear shirts with sleeves (long or short), no tank tops or sleeveless shirts, full length pants (no shorts) and work boots (no tennis shoes or dress shoes).

Personal Protective Equipment

All members training outside of the classroom are required to bring their own hard hat, safety vest, and hearing protection.

Equipment Sign Out Shifts

Machines are available for sign out two sessions or shifts per day, morning (7 a.m. – 11 a.m.) or the afternoon (11:30 a.m. – 3:30 p.m.).

All equipment must be signed in and out before and after each shift in the equipment sign out room located in the corner of the cafeteria.

Equipment Reservations

Members may reserve equipment up to 30 days in advance.

You may reserve a machine for up to four shifts per week (16 total hours per week), once the four shifts have been met, you must reserve a different machine for the remainder of that week.

Reservations are held until 7:05 a.m. for the morning shift and 11:35 a.m. for the afternoon shift, these machines will be released for sign out after these times.

If you have a machine reserved and are running late, please call the Training Center at (815)-722-3201 and we will hold your reservation for up to 30 minutes.

If you have a reservation and will not be able to make it to the site that day, we ask you to call the Training Center and cancel your reservation, so another member can make use of that machine. Failure to cancel by phone will result in restrictions on future machine reservations.

Equipment Usage

Pre-operation

- Check all fluids and top them off if necessary. If you have any questions about proper fluids or levels, please ask an instructor.
- Grease all grease fittings, being sure not to over-grease.

Operation:

- Please be careful climbing in and out of ditches.
- Be sure to back fill and level off your work area prior to exiting the field or arena at the end of your shift.
- Be sure to fuel the machine after operation unless otherwise told.
- If operating a tracked machine, please clean the tracks at the end of your shift.
- Please clean all garbage from the cab at the end of your shift.

Classroom Policies

Please utilize the same dress code as stated earlier; you may be required to leave the classroom for the field for hands-on training or demonstrations.

Attendance will be taken; you will need to sign the attendance sheet next to your name.

Snacks, coffee, soda and water may be brought into the classroom, please refrain from bringing breakfast and lunch into the classroom (use the cafeteria). Please clean up after yourself if you bring these items into the classroom.

Classroom Walk-In Policies

In order to maintain the best possible classroom and hands-on experience, class size has been limited. Once a scheduled class has been filled during registration, a waiting list will be created for that class. Those who wish may be put on this list. This waiting list will be used to fill slots opened by cancellations and no-shows. On the first day of class, attendance will be taken. If there are any openings for the class, they will first be filled with those present and on a waiting list, then by those waiting and not on a list.

Members on the waiting list will be listed in order by their sign up date and time.

Hotel Usage Policies

All members who live 30 miles or more from the Training Center and are using it for two full consecutive days (16 hours) or more are eligible to utilize a hotel arranged by us at our expense for the nights in between training days.

Upon checking into the hotel, you will be asked for a credit card. This is required by the hotel to be used for the coverage of incidental charges (telephone, damage, etc.). You will not be allowed to check in without one.

If you utilize a hotel and do not fulfill the two consecutive days (16 hours) of training, the full hotel bill will be billed to you.

Supervised Training

The purpose of this training is to give the applicant the ability to gain hands-on experience through training with the supervisor.

It is the responsibility of the supervisor to stay with the applicant during the pre-operation checks, and advise on safety and operating techniques of the machine. This training is limited to skid steers, rubber tired loaders, small dozers and combination backhoes.

Equipment sign out is on a first come, first serve basis once all Journeyworkers and Apprentices have signed out. If you will be training out in the dirt field, you will need to see an instructor who will assign you a vehicle and a place in the field to train.

Cafeteria

The cafeteria is closed until further notice! Please be sure to bring your own lunch and beverages.

Speed Limit

As a reminder, the speed limit on South Arsenal Road is 45 mph. Please adhere to this as it is enforced on a daily basis.

IUOE International Training Site Travel Policies

Class/Travel Registration

All class registration and travel will require prior approval of the ASIP POC and/or JATC Chairman.

Request must be submitted to the International's Travel coordinator through the ITRS website. (iuoe-itrs.org) All travel reservations will be booked through the IUOE travel coordinator.

All flights will be booked at the most economical price for the fund and at the discretion of the I.U.O.E Travel Coordinator

Rental Cars, Personal Vehicles & Airport

Shuttle

Rental Cars are not authorized for any travel for training at the ITCC.

Personal vehicle use for travel is not authorized to the ITCC.

Parking and Taxi (Uber, Lyft, rideshare, etc.) are not authorized and will not be reimbursed.

Travel to and from home airport is not reimbursed.

Shuttle service is provided at ITCC.

Flights, Baggage & Meals

Flight/seat (early bird check-in) upgrades will not be reimbursed.

Baggage fees will be reimbursed only on flights that do not include baggage in the air fare with original receipt for payment there will be no exceptions. Extra bag and overweight baggage fees will not be reimbursed.

Flights to attend training at ITCC are provided by the National Training Fund. Misappropriation of these funds are grounds for charges being filed against members of the IUOE. Any member misappropriating funds will be directed to meet with the advisory board of their home district for the possibility of charges being leveled against them. (constitution Article XVI sec 3 and XXIV subsection 7 sec (e); local bylaws Article IX sec 6 (a)(c).

Meal expenses will not be reimbursed, all meals are provided by ITCC.



Member Education

Labor Education*

This program of study critically assesses the fundamental historical events, decisions, and developments which have shaped America's modern working class. The course contends that labor history is the conjunction of two dynamic struggles: the courageous efforts of individual working men and women to win dignity and security from their

employers, and the broader struggle of all working people to provide food, shelter, education, personal fulfillment and a sense of community for themselves and their families. The history of organized labor is about emancipating all people from oppression. Members will learn about the causes of these struggles, what forces were aligned against the working class, what techniques workers used to fight for justice and why these battles are important to understanding the role of organized labor in American society. Note: This class is not a replacement for the "COMET & Labor Studies" class put on in Countryside.

* All apprentices must take Labor Ed 1, 2 & 3 to satisfy their apprenticeship requirements.

Level	Date	Start Time	Location
1	Oct. 16, 2021	8:00 A.M. - 2:00 P.M.	Auditorium
2	Oct. 23, 2021	8:00 A.M. - 11:00 A.M.	Auditorium
3	Oct. 23, 2021	12:00 P.M. - 3:00 P.M.	Auditorium
1	Dec. 4, 2021	8:00 A.M. - 2:00 P.M.	Auditorium
2	Jan. 15, 2022	8:00 A.M. - 11:00 A.M.	Auditorium
3	Jan. 15, 2022	12:00 P.M. - 3:00 P.M.	Auditorium
1	Mar. 26, 2022	8:00 A.M. - 2:00 P.M.	Auditorium
2	Apr. 2, 2022	8:00 A.M. - 11:00 A.M.	Auditorium
3	Apr. 2, 2022	12:00 P.M. - 3:00 P.M.	Auditorium

Know Your Union

Know Your Union is a four-hour course designed to familiarize new and existing members with various aspects of Local 150, including organizational history, governance, hiring hall, training, benefits, and political activism. Note: Additional classes will be scheduled throughout the

year. Please visit: www.local150.org or www.asiplocal150.org for more information and class dates. Contact Barb Farr at (708) 482-8800 or email BFarr@local150.org to reserve your spot at these classes.

Date	Start Time	Location
Dec. 18, 2021	8:00 A.M.-Noon	District 1 Hall
Mar. 19, 2022	8:00 A.M.-Noon	District 1 Hall
Jun. 11, 2022	8:00 A.M.-Noon	District 1 Hall
Sept. 24, 2022	8:00 A.M.-Noon	District 1 Hall

Labor Studies & COMET 1 *

COMET stands for Construction Organizing Membership Education Training, and helps members understand why organizing is central to maintaining bargaining strength. It generates membership support and encourages rank and file participation in the Local's organizing efforts.

Date	Start Time	Location
Jan. 8, 2022	8:00 A.M.-12:00 P.M.	District 1 Hall
Mar. 12, 2022	8:00 A.M.-12:00 P.M.	District 1 Hall
June 4, 2022	8:00 A.M.-12:00 P.M.	District 1 Hall
Sept. 17, 2022	8:00 A.M.-12:00 P.M.	District 1 Hall

Labor Studies is a thorough review of the history of the American Labor Movement, including its successes and failures in the past and the challenges that lie in the future. Note: Additional classes will be scheduled throughout the year. Please visit: www.local150.org or www.asiplocal150.org for more information and class dates. To reserve your place at these classes, contact Barb Farr at (708) 482-8800 or email BFarr@local150.org.

*** The Labor Studies portion of this class does not have to be taken by apprentices to satisfy their apprenticeship requirements.**

First Aid



**American
Red Cross**

Standard First Aid, CPR, AED

In this eight-hour class you will learn how to respond to common first aid emergencies including: burns, cuts, head, neck injuries, back injuries and more. In the CPR and AED portion, you will learn how to respond to cardiac and breathing emergencies in adults, including the use of an automated external defibrillator (AED). There is an emphasis on hands-on learning in this course and after successfully completing it, members will receive a certification card that is valid for two years.

Date	Start Time	Location
Nov. 22, 2021	7:00 A.M.	2129
Dec. 4, 2021	7:00 A.M.	2129
Dec. 20, 2021	7:00 A.M.	2129
Feb. 4, 2022	7:00 A.M.	2129
Feb. 28, 2022	7:00 A.M.	2129
Mar. 12, 2022	7:00 A.M.	2129
Apr. 6, 2022	7:00 A.M.	2129

Safety Instruction

OSHA 10-Hour Safety Awareness

This course will help members recognize and control a variety of safety and health hazards frequently found in today's workplace. Contractors are recognizing the value of this training and some job sites may require this for entry. This class is a prerequisite to the OSHA 30 and Disaster Site Worker classes. Please check the start time for the class that you're interested in taking. The classes will either run 8:00am - 2:30pm for two consecutive days or 6:00pm - 10:00pm the first night then 7:00am - 3:30pm the next day. **Note: 40 member max per class.**

Date	Start Time	Location
Nov. 30 - Dec. 1, 2021	8:00 A.M.	District 6*
Dec. 2-3, 2021	8:00 A.M.	1051
Dec. 21-22, 2021	8:00 A.M.	1051
Jan. 5-6, 2022	8:00 A.M.	1051
Jan. 12-13, 2022	8:00 A.M.	District 8 (IL)*
Jan. 19-20, 2022	8:00 A.M.	1051
Feb. 9-10, 2022	8:00 A.M.	1051
Mar. 14-15, 2022	8:00 A.M.	1051
Apr. 21-22, 2022	8:00 A.M.	1051

* Due to the COVID-19 pandemic, classes scheduled at district halls may be cancelled, condensed or rescheduled due to hall availability and social distancing requirements.

OSHA 30-Hour Safety Awareness

The OSHA 30-Hour course is a five day course with the intent of assisting employers in training and introducing operators to the basic practices of identifying, reducing, eliminating, and reporting hazards associated with their work. There will be formal classroom instruction, quizzes, short presentations as well as hands-on exercises addressing hazard recognition. Satisfactory completion of the course requires full attendance and a passing score on the final exam. Participants are required to have a valid OSHA 10-Hour Construction card to enroll in class and must present card to instructor on first day of class.

Date	Start Time	Location
Jan. 24-28, 2022	7:00 A.M.	1051
Feb. 21-25, 2022	7:00 A.M.	1051
Mar. 28 - Apr. 1, 2022	7:00 A.M.	1051

40-Hour Hazardous Material Awareness

This course prepares operators to work safely and effectively with hazardous materials on and off hazardous waste sites. The 40-hour Hazardous Materials Awareness and Certification Course is required of everyone working on a HAZMAT job. Attendance is required for all 40 hours of training. Members must be clean-shaven to participate in respirator training. Members who successfully complete this course will be notified and scheduled every year for the mandatory eight-hour refresher. **Note: 18 member max per class.**

Date	Start Time	Location
Nov. 8-12, 2021	7:00 A.M.	1051
Dec. 6-10, 2021	7:00 A.M.	1051
Jan. 17-21, 2022	7:00 A.M.	1051
Feb. 14-18, 2022	7:00 A.M.	1051
Mar. 7-11, 2022	7:00 A.M.	1051
Apr. 4-8, 2022	7:00 A.M.	1051

8-Hour Hazardous Material Refresher

OSHA regulations require that graduates of the 40-hour HAZMAT classes attend an annual eight-hour HAZMAT refresher. HAZMAT refresher training is scheduled on Saturdays and is held at the Training Site and at several of the District Halls. Local 150 HAZMAT graduates are notified by mail of their scheduled refresher class a few weeks before their certificate expiration date. HAZMAT refresher classes review the key components of the HAZMAT 40-hour training, provide the opportunity to discuss various aspects of the HAZMAT work in our jurisdiction, and examine new and developing technologies in the HAZMAT workplace.

Date	Start Time	Location
Nov. 6, 2021	7:00 A.M.	Auditorium
Dec. 4, 2021	7:00 A.M.	District 5*
Dec. 18, 2021	7:00 A.M.	District 2*
Jan. 8, 2022	7:00 A.M.	District 7*
Jan. 22, 2022	7:00 A.M.	District 4*
Feb. 5, 2022	7:00 A.M.	District 1*
Feb. 19, 2022	7:00 A.M.	District 8*
Mar. 5, 2022	7:00 A.M.	District 6*
Mar. 19, 2022	7:00 A.M.	Auditorium
Apr. 2, 2022	7:00 A.M.	District 3*
Apr. 16, 2022	7:00 A.M.	Auditorium

* Due to the COVID-19 pandemic, classes scheduled at district halls may be cancelled, condensed or rescheduled due to hall availability and social distancing requirements.

OSHA Disaster Site Worker

This course is intended for Disaster Site Workers who provide skilled support services (e.g., utility, demolition, debris removal, or heavy equipment operation) or site clean-up services in response to a disaster. During this two-day course, we will satisfy the FEMA requirements for ICS-100, ICS-200 and NIMS-700 courses as well as OSHA #7600 Disaster Site Worker. Because this course does not cover in detail safety and health hazards that occur on a daily basis on a normal construction site, completion of the OSHA Construction Outreach Training Course (10-hour) is a prerequisite. **Note:** Successful completion of this course meets the annual requirements for the HAZWOPER annual Refresher.

Date	Start Time	Location
Dec. 13-14, 2021	7:00 A.M.	1051
Jan. 24-25, 2022	7:00 A.M.	1051
Feb. 28 - Mar. 1, 2022	7:00 A.M.	1051

Confined Space Awareness

This two-day course involves both classroom instruction and hands on training. During the classroom portion, instructors will cover topics associated with both non-permit and permit required confined spaces. Members will also receive instruction on OSHA standards such as Control of Hazardous Energy, Air Monitoring and Fall Protection. During hands on training, members will safely enter multiple confined spaces using proper procedures to carry out the necessary work to be performed. Class size will be limited to 15 members. There are no prerequisites required to take this class.

Date	Start Time	Location
Jan. 6-7, 2022	7:00 A.M.	1051
Feb. 7-8, 2022	7:00 A.M.	1051

Mobile Elevated Work Platform

During this two-day course, members will learn OSHA and ANSI standards related to the safe operation of Mobile Elevated Work Platforms (MEWP). Some examples of a MEWP are truck mounted boom lifts, scissor lifts and bucket trucks. Upon successful completion of the classroom portion, members will be tested on three different classes of MEWP's. After fulfilling all requirements, members will receive an accredited Powered Access License (PAL) card from the International Powered Access Federation that is valid for five years. Class size will be limited to 12 members. There are no pre-requisites required to take this class. **Note:** Members looking to renew their PAL license should call and make an appointment at the training site before their license expires.

Date	Start Time	Location
Nov. 22-23, 2021	7:00 A.M.	1051
Dec. 27-28, 2021	7:00 A.M.	1051
Feb. 2-3, 2022	7:00 A.M.	1051
Mar. 21-22, 2022	7:00 A.M.	1051

OSHA Powered Industrial Truck (PIT)

OSHA regulations require that all powered industrial truck operators are trained, evaluated and certified before they operate a forklift. This two-part course covers training requirements. The first part involves classroom instruction in the form of lecture, discussion, videos and a multiple choice test. Members must achieve a passing score of 80 percent or higher. The second part of the training requirement is applied during a practical exercise which involves testing on an electric forklift, two LPG industrial forklifts and a rough terrain forklift. This training allows the members to obtain four out of the seven classes of industrial powered trucks on their training card. The member will be evaluated and certified by the employer in accordance with the OSHA standard.

Date	Start Time	Location
Jan. 3, 2022	11:30 A.M.	1051
Feb. 7, 2022	11:30 A.M.	1051
Mar. 21, 2022	11:30 A.M.	1051

BROKK - Level 1

This 16-hour course will give a basic understanding of machine set-up, maintenance, operating control functions, power cable tending, use of attachments and maneuvering techniques that the operator will need for remote HAZWOPER and demolition work environments. Designed for high performance demolition at a compact scale. OSHA requires Employers to seek out and incorporate new technologies on hazmat jobsites. This machine uses remote control technology to reduce employee exposures to hazardous job conditions. Upon completion of this course, members will obtain the ability to schedule individual training with the BROKK remote excavator.

Note: Individual BROKK training after completion of the Level 1 course by appointment only. Call equipment checkout to make a reservation.

Date	Start Time	Location
Dec. 20-21, 2021	7:00 A.M.	1051
Jan. 31 - Feb. 1, 2022	7:00 A.M.	1051
Mar. 24-25, 2022	7:00 A.M.	1051

Mine Safety

MSHA Surface New Miner

The MSHA part 48 B Training plan that Local 150 ASIP has filed with MSHA covers surface metal non-metal mining and is accepted by MSHA to cover part 46 training since part 48 B training is a higher standard than part 46. A requirement of the mine training plan is that any new employee designated as a non-experienced miner must receive 24 hours of new miner training to work at a mine site. Training must include instruction in safety and health subjects that are relevant to mining operations. The company you go to work for must supply you with all site specific and task training under part 46 or part 48 B before you start work. All experienced miners must receive 8 hours of refresher training each year to continue working at a mine site.

Note: 18 member max per class.

Date	Start Time	Location
Dec. 6-9, 2021	7:00 A.M.	2129
Jan. 10-13, 2022	7:00 A.M.	2129
Feb. 14-17, 2022	7:00 A.M.	2129
Mar. 14-17, 2022	7:00 A.M.	2129
Apr. 4-7, 2022	7:00 A.M.	2129



MSHA Surface Refresher

The MSHA Part 48 B training plan Local 150 ASIP has filed with MSHA covers surface metal non-metal mining and is accepted by MSHA to cover part 46 training since Part 48 B training is a higher standard than Part 46. A requirement of the mine training plan is that any employee designated as an experienced miner must receive eight hours of refresher training each year to work at a mine site. Refresher training must include instruction on the following: safety and health subjects that are relevant to mining operations. You must have proof of prior MSHA training to attend this class. A 24-hour New Miner certificate, or a refresher certificate will be accepted as proof that you are a experienced miner. The company that you go to work for must supply you with all site specific and task training under part 46 or part 48 B before you start work.

*** Due to the COVID-19 pandemic, classes scheduled at district halls may be cancelled, condensed or rescheduled due to hall availability and social distancing requirements.**

Date	Start Time	Location
Dec. 11, 2021	7:00 A.M.	2129
Jan. 14, 2022	7:00 A.M.	District 5*
Jan. 15, 2022	7:00 A.M.	District 5*
Jan. 29, 2022	7:00 A.M.	District 5*
Feb. 11, 2022	7:00 A.M.	District 4*
Feb. 11, 2022	7:00 A.M.	District 4*
Mar. 5, 2022	7:00 A.M.	District 7*
Mar. 26, 2022	7:00 A.M.	2129
Apr. 9, 2022	7:00 A.M.	2129

MSHA Underground New Miner

The MSHA Part 48 A Underground training plan Local 150 ASIP has filed with MSHA covers underground metal and non-metal mining and has been accepted by MSHA to train underground new miners. A requirement of the mine training plan is that any new employee designated as a non-experienced miner must receive 40 hours of underground new miner training to work at an underground mine site, eight hours of which must be at an underground mine. The final eight hours of this class will be underground at a local underground limestone mine. After taking this class and having 12 months experience, you will be considered an experienced underground miner by MSHA. The company that you go to work for must supply you with all site specific and task training before you start work. All experienced underground miners must receive eight hours of underground refresher training each year to continue working at an underground mine site. *Prerequisites:* MSHA Surface New Miner or an up to date MSHA Surface Refresher. **Note: 15 member max per class.**

Date	Start Time	Location
Dec. 13-17, 2021	7:00 A.M.	2129
Jan. 17-21, 2022	7:00 A.M.	2129
Feb. 21-25, 2022	7:00 A.M.	2129
Mar. 28 - Apr. 1, 2022	7:00 A.M.	2129
Apr. 18-22, 2022	7:00 A.M.	2129

MSHA Underground Refresher

The MSHA Part 48 A Underground training plan that Local 150 ASIP has filed with MSHA covers underground metal and non-metal mining and has been accepted by MSHA to train underground new miners. A requirement of the mine training plan is that any employee designated as an experienced underground miner must receive eight hours of underground refresher training each year to work at an underground mine site. Refresher training must include instruction on the safety and health subjects that are relevant to mining operations. You must have proof of prior MSHA training to attend this class. A 40-hour underground new miner certificate or an underground refresher certificate will be accepted as proof you are an experienced miner. The company you go to work for must supply you with all site specific and task training before you start work.

Date	Start Time	Location
Jan. 8, 2022	7:00 A.M.	2129
Feb. 26, 2022	7:00 A.M.	2129

Pipeline Industry



Introduction to Pipeline and Gas Distribution Systems

This 40-hour class is intended to allow members to develop the skills necessary for employment in the pipeline and gas distribution industries. This course will be taught by experienced pipeline operators and will include hands on field exercises which will allow our members to become more employable in these industries. **Note:** 15 member max per class.

Date	Start Time	Location
Nov. 15-19, 2021	7:00 A.M.	2037
Dec. 6-10, 2021	7:00 A.M.	2037
Jan. 3-7, 2022	7:00 A.M.	2037
Jan. 24-28, 2022	7:00 A.M.	2037
Apr. 11-15, 2022	7:00 A.M.	2037

Pipeline Sideboom Techniques

This 40-hour pipeline sideboom class offers our members the opportunity to develop the skills necessary for sideboom work on a pipeline spread. Hands-on instruction by experienced pipeliners will concentrate on the development of skills such as catching your drift, carrying joints of pipe, carrying sections, carrying concrete coated pipe, general machine control, etc. *Prerequisites:* 500 or more pipeline work hours or previously taken Pipeline, Pipeline Oiler, Introduction to Gas Distribution or Introduction to Pipeline and Gas Distribution Systems courses. **Note:** Three member max per class.

Date	Start Time	Location
Nov. 29 - Dec. 3, 2021	7:00 A.M.	2037
Feb. 7-11, 2022	7:00 A.M.	2037
Mar. 7-11, 2022	7:00 A.M.	2037

Pipeline Excavator Techniques

This 40-hour class offers our members the opportunity to develop the skills necessary for excavator work on a pipeline spread. Hands-on instruction by experienced pipeliners will concentrate on the development of skills such as digging ditch, bell holes, excavating near live lines, digging road approaches, handling of matts, etc. *Prerequisites:* 500 or more pipeline work hours or

previously taken one of the following classes: Pipeline, Pipeline Oiler, Introduction to Gas Distribution or Introduction to Pipeline and Gas Distribution Systems. **Note:** Six member max per class.

Date	Start Time	Location
Nov. 29 - Dec. 3, 2021	7:00 A.M.	2037
Feb. 7-11, 2022	7:00 A.M.	2037
Mar. 7-11, 2022	7:00 A.M.	2037

Mass Dirt, General Underground, Excavation & Demolition

Introduction to Sewer and Water Principles

This class was designed for the operator with experience on an excavator or track loader, who is interested in how these machines are utilized in the Sewer and Water industry. Topics to be covered in this class are: working with trench boxes, stone misers, laying sewer pipe, safety habits and materials common to the sewer and water industry, as well as some basic blueprint and plan reading. This class will be a blend of classroom lessons and discussion,

all of which will be backed up with hands-on exercises in the field. *Prerequisites:* Excavator or Track Loader proficiency or completion of the Introduction to Excavator class. Members attending this class must attend all classroom activities in order to move on to the hands-on portion of the class. Members should be proficient on an excavator or combination backhoe before attending this course.

Note: Eight member max per class.

Date	Start Time	Location
Nov. 15-19, 2021	7:00 A.M.	1133
Dec. 6-10, 2021	7:00 A.M.	1133
Jan. 10-14, 2022	7:00 A.M.	1133
Jan. 31 - Feb. 4, 2022	7:00 A.M.	1133
Mar. 21-25, 2022	7:00 A.M.	1133
Apr. 4-8, 2022	7:00 A.M.	1133

Basement Digging

This 40-hour class is intended for the experienced excavator or track loader operator interested in learning how to dig residential basements. This class will cover blueprint reading, setup and use of a laser, layout, placement of spoils, and excavation. You can expect a blend of classroom and hands-on training. Members must be proficient on an excavator to attend this class. **Note:** Eight member max per class.

Date	Start Time	Location
Nov. 29 - Dec. 3, 2021	7:00 A.M.	1140
Dec. 13-17, 2021	7:00 A.M.	1140
Mar. 28 - Apr. 1, 2022	7:00 A.M.	1140

Introduction to Skid-Steer Loaders

This 40-hour class will focus on the basic fundamentals of a skidloader. In this class, members will learn the different control patterns, use a variety of different attachments, load trucks and also cut grade for a sidewalk and/or driveway. Also, members will practice loading and unloading their machines and attachments onto and off of a trailer. Through approximately eight hours of lecture in the classroom and 32 hours hands-on learning in the seat of a machine, this class will try to duplicate multiple real world scenarios. No testing will be done during this class. **Note:** Eight member max per class.

Date	Start Time	Location
Nov. 1-5, 2021	7:00 A.M.	1140
Nov. 29 - Dec. 3, 2021	7:00 A.M.	1140
Jan. 3-7, 2022	7:00 A.M.	1140
Jan. 24-28, 2022	7:00 A.M.	1140
Jan. 31 - Feb. 4, 2022	7:00 A.M.	1140
Feb. 28 - Mar. 4, 2022	7:00 A.M.	1140
Apr. 4-8, 2022	7:00 A.M.	1140

Introduction to Dozers

This class is designed for the beginning dozer operator. This course teaches pre-operational checks and inspections, safety, develops familiarity with control functions, basic dozer techniques including slot dozing, v-ditches, proper traveling speeds, cuts and fills, striping and stockpiling, and backfilling of trenches. This course will also include basic grade stake reading and a small amount of slope work. **Note:** Eight member max per class.

Date	Start Time	Location
Nov. 1-5, 2021	7:00 A.M.	1142
Dec. 13-17, 2021	7:00 A.M.	1142
Jan. 10-14, 2022	7:00 A.M.	1142
Jan. 24-28, 2022	7:00 A.M.	1142
Feb. 7-11, 2022	7:00 A.M.	1142
Feb. 21-25, 2022	7:00 A.M.	1142



Intro to Demolition Attachments & Material Processing

This 40-hour class is designed to provide our members with the next level of machine control and skill level. Through approximately eight hours of lecture in the classroom and 32 hours hands-on learning in the seat of multiple machines, members will learn the fundamentals of demolition. Machines that will be used during this class may include excavators with breakers and processors, loaders with buckets and forks, a concrete crusher, a screen plant that is able to process multiple material types and sizes as well as skidloaders using multiple attachments.

Prerequisites: One of the following: skidsteer proficiency, excavator proficiency, Combination proficiency or completion of an Introduction to Excavators or Introduction to Combination Backhoe class. **Note:** Eight member max per class.

Date	Start Time	Location
Jan. 31 - Feb. 4, 2022	7:00 A.M.	1141
Feb. 7-11, 2022	7:00 A.M.	1141
Feb. 14-18, 2022	7:00 A.M.	1141
Feb. 21-25, 2022	7:00 A.M.	1141
Feb. 28 - Mar. 4, 2022	7:00 A.M.	1141

Introduction to Excavators

This 40-hour class was designed for operators with minimal excavator experience. This course will include a blend of classroom discussion and hands-on training designed to enhance your skills throughout the week. This course begins in the classroom and covers several areas of safety, including machine safety, trench safety, and utility safety. We will move into the machine and work on drills designed to gain basic control of the machine and finish with basic ditching exercises and truck loading (weather permitting). **Note:** Eight member max per class.

Date	Start Time	Location
Nov. 8-12, 2021	7:00 A.M.	1133
Dec. 13-17, 2021	7:00 A.M.	1133
Jan. 3-7, 2022	7:00 A.M.	1133
Feb. 28 - Mar. 4, 2022	7:00 A.M.	1133
Mar. 14-18, 2022	7:00 A.M.	1133
Apr. 4-8, 2022	7:00 A.M.	1133

Mass Dirt

This class will cover most aspects of a mass dirt job site. During this 40-hour class members will be instructed on a wide variety of dirt equipment. Machines being used in this class include excavators, articulating dump trucks, large dozers, scrapers and compactors. Members will run most, if not all, of these machines throughout the week. Some of the job site scenarios that may be performed during the week include road building, ditch work, pond excavation and building pad construction. *Prerequisites:* One of the following: dozer proficiency, excavator proficiency, Introduction to Excavator class or Introduction to Dozer class. **Note:** Eight member max per class.

Date	Start Time	Location
Nov. 8-12, 2021	7:00 A.M.	1140
Dec. 13-17, 2021	7:00 A.M.	1140
Jan. 17-21, 2022	7:00 A.M.	1140
Feb. 14-18, 2022	7:00 A.M.	1140
Mar. 7-11, 2022	7:00 A.M.	1140



Introduction to Combination Backhoe

This 40-hour class is designed for operators with minimal combination backhoe experience. This course will include a blend of classroom discussion and hands-on training designed to enhance your skills throughout the week. This class will start off in the classroom covering safety in and around the machine, after which we will move into the machine and work on drills designed to gain basic control of the bucket and backhoe finishing with ditching, handling street plates, and utility digs. **Note:** Eight member max per class.

Date	Start Time	Location
Nov. 1-5, 2021	7:00 A.M.	1141
Dec. 6-10, 2021	7:00 A.M.	1145
Jan. 3-7, 2022	7:00 A.M.	1145
Jan. 17-21, 2022	7:00 A.M.	1145
Feb. 7-11, 2022	7:00 A.M.	1145
Feb. 28 - Mar. 4, 2022	7:00 A.M.	1145
Mar. 14-18, 2022	7:00 A.M.	1145
Apr. 11-15, 2022	7:00 A.M.	1145

Introduction to Gradalls

This 40-hour class is designed for operators with no Gradall experience. This course will include minimal classroom with the majority of time being hands-on. The course will cover pre-operational checks and inspections, safety, daily maintenance, familiarity with control functions, basic operational techniques including machine placement, barrier wall (loading,

placement and handling), ditching, truck loading, patch removal, and grading. *Prerequisites:* Class B CDL and basic knowledge of excavation and road work. **Note:** Eight member max per class.

Date	Start Time	Location
Mar. 7-11, 2022	7:00 A.M.	1143
Mar. 14-18, 2022	7:00 A.M.	1143
Mar. 21-25, 2022	7:00 A.M.	1143
Mar. 28 - Apr. 1, 2022	7:00 A.M.	1143

Introduction to Hydro-Vac Excavation

This 40-hour course is designed to provide a program for operators to develop the skills needed to operate a hydro “vacuum” excavation machine. Each student will demonstrate utility locating “potholing” and trenching techniques. Material covered will include, how a hydro excavator system works, safety concerns, DOT regulations and inspections, OSHA excavation regulations and systems trouble shooting. Due to state licensing requirements, members should have a CDL with “Tanker” endorsement prior to attending this class.

Date	Start Time	Location
Feb. 14-18, 2022	7:00 A.M.	1149
Feb. 21-25, 2022	7:00 A.M.	1149
Feb. 28 - Mar. 4, 2022	7:00 A.M.	1149
Mar. 7-11, 2022	7:00 A.M.	1149

Dirt Equipment Certification

Advanced Excavator Techniques

This class is designed for the experienced excavator operator. Members who register for this class must be proficient and have a minimum of 4,000 hours of job site experience on a track backhoe within the last 10 years. Classroom topics include OSHA related safety topics, terms and definitions, operating procedures and techniques, rigging and load charts, soil mechanics, understanding grades, pipe lasers and laser set-up, excavating in the presence of or around underground utilities, all types of related excavation work, demolition, UST removal, sloping and the use of trench boxes (ditch shields). Members must pass a written test before they take the practical test. Both the written and practical tests must be passed to become excavator certified.

Date	Start Time	Location
Nov. 22-24, 2021	7:00 A.M.	1133
Dec. 20-22, 2021	7:00 A.M.	1133
Apr. 11-13, 2022	7:00 A.M.	1133

Advanced Dozer Techniques

This four-hour class is for the experienced finish dozer operator. Members who register for this class must be proficient and have at least 4,000 hours of job site experience on a dozer within the last 10 years. Classroom topics such as terms and definitions, safety, job planning, grading methods and techniques, grade

stakes and print reading, laser setup and use are all covered in the classroom. Members must pass the written test before they take the practical test. Both the written and practical tests must be passed to become dozer-certified.

Date	Start Time	Location
Nov. 22, 2021	7:00 A.M.	1142
Dec. 20, 2021	7:00 A.M.	1142
Apr. 11, 2022	7:00 A.M.	1142

Advanced Blade Techniques

This four-hour class is for the experienced blade operator. Members who register for this class must already be proficient and have 4,000 hours of job site experience on a blade within the last 10 years. Topics covered include terms and definitions, safety, job planning, grading methods and techniques, grade stakes and print reading, laser setup and use are all covered in the classroom. Members must pass the written test before they take the practical test. Both the written and practical tests must be passed to become blade certified.

Date	Start Time	Location
Nov. 22, 2021	11:30 A.M.	1142
Dec. 20, 2021	11:30 A.M.	1142
Apr. 11, 2022	11:30 A.M.	1142

Road Construction



Introduction to Asphalt Paving and Rolling

In this 40-hour course, members will learn the basic components and setup procedures associated with asphalt pavers. Safety, setup, and proper use of the machines will be the main focus of this class. Members will also learn about the different asphalt rollers and rolling patterns. This course will include a blend of classroom and hands-on training. **Note:** 10 member max per class.

Date	Start Time	Location
Dec. 13-17, 2021	7:00 A.M.	2123
Jan. 3-7, 2022	7:00 A.M.	2123
Jan. 10-14, 2022	7:00 A.M.	2123
Jan. 31 - Feb. 4, 2022	7:00 A.M.	2123
Feb. 7-11, 2022	7:00 A.M.	2123
Feb. 28 - Mar. 4, 2022	7:00 A.M.	2123
Mar. 7-11, 2022	7:00 A.M.	2123

Fundamentals of Asphalt Paving and Rolling

This 40-hour class is a continuation of where the Introduction to Asphalt Paving and Rolling class left off. Members will learn how to pave and roll around different obstacles such as light poles, manholes and different types of curbs. Students will be focusing on creating and rolling different types of joints used on

mainline jobs as well as small jobs such as driveways and parking lots. Members will also learn how to pave and roll intersections and cul-de-sac's. The course will include some classroom work, but will mainly be hands-on training. *Prerequisite:* Introduction to Paving and Rolling class or 500 hours working on an asphalt paving crew. **Note:** 10 member max per class.

Date	Start Time	Location
Jan. 17-21, 2022	7:00 A.M.	2123
Feb. 14-18, 2022	7:00 A.M.	2123
Mar. 14-18, 2022	7:00 A.M.	2123

Introduction to Road Grinding

This class is an introduction to the controlled cold milling of pavement to restore the surface to a specified profile. Bumps, ruts, and other surface irregularities are removed, leaving a uniform textured surface. This is an introductory course designed for the individual with little to no experience in this field. This course will include classroom as well as hands-on training.

Date	Start Time	Location
Dec. 6-10, 2021	7:00 A.M.	2122
Dec. 13-17, 2021	7:00 A.M.	2122
Jan. 3-7, 2022	7:00 A.M.	2122
Jan. 10-14, 2022	7:00 A.M.	2122
Jan. 17-21, 2022	7:00 A.M.	2122
Jan. 24-28, 2022	7:00 A.M.	2122
Jan. 31 - Feb. 4, 2022	7:00 A.M.	2122

Intro to Material Transfer Vehicles & Road Wideners

In this 24-hour class, members will be introduced to material transfer vehicles (shuttle buggies) and road wideners. Through a combination of lecture and hands-on training, members will learn about safety, set up, operation and how these machines are used on a variety of road jobs today.

Date	Start Time	Location
Jan. 24-26, 2022	7:00 A.M.	2123
Feb. 21-23, 2022	7:00 A.M.	2123
Mar. 21-23, 2022	7:00 A.M.	2123

Concrete Pumping and Belt Placement

This 40-hour course will be offered to members who would like to work with and learn about modern concrete pumping systems. Members will learn to work with various applications, components, outputs, pump capacities and line pressures that are associated with truck mounted pumps. Safe and efficient machine setup, assembly of the piping, start-up, operating the pump, slump mixture, blockages, preventive maintenance and cleanout will all be covered during the week. Members must have a CDL to attend this class.

Date	Start Time	Location
Dec. 13-17, 2021	7:00 A.M.	1149
Jan. 17-21, 2022	7:00 A.M.	1149
Feb. 7-11, 2022	7:00 A.M.	1149
Mar. 21-25, 2022	7:00 A.M.	1149

Introduction to Concrete Plants *

This 40-hour class is designed to enable members to identify types of concrete plants, describe plant components, personnel and safety concerns. Members will be able to explain different characteristics of concrete, list all integral parts of a concrete plant and their function in order to familiarize themselves and reduce risk. This is an entry level class for members with little to no concrete plant experience. This introduction class will be a blend of classroom lectures and a plant tour.

Note: Five member max per class.

Date

** Course will be offered on an as needed basis. Please contact ASIP to express interest.*

Assistant Plant Operator *

This is a 40-hour class is designed to increase the skill level of existing assistant plant operators and enable new participants to fill the assistant plant operator position on concrete plants. Members will learn maintenance and lube procedures, inspection and frequency, start up and shut down procedures, resolve common repair items. Members will also learn how to order product needed and identify when running low. This class will cover cold weather protection and how to operate cement storage box.

Note: Five member max per class.

Date

** Course will be offered on an as needed basis. Please contact ASIP to express interest.*



Site Work, Staking, GPS, Drones



Grade Stakes, Layout and Plan Reading

This class is designed to help members develop and utilize the skills involved in job site construction. Members will be trained to read and set grade stakes, learn how to read and interpret blueprints as well as lay out a job site based on criteria given. As part of this class, members may use a laser, transit, hand level, and various other instruments to develop basic site work skills. Some of the exercises to be performed will be basic computations and arithmetic, job site layout and instrument set up.

Date	Start Time	Location
Nov. 29 - Dec. 3, 2021	7:00 A.M.	1142
Jan. 3-7, 2022	7:00 A.M.	1142
Jan. 31 - Feb. 4, 2022	7:00 A.M.	1142
Feb. 14-18, 2022	7:00 A.M.	1142
Mar. 28 - Apr. 1, 2022	7:00 A.M.	1142

Introduction to Digital Take-Off

This course explores the knowledge needed to utilize take-off hardware and software to calculate volumetric calculations. Students will utilize skills relating to grade stakes, plan reading, layout, global positioning systems, metric and mathematical computations.

Date	Start Time	Location
Mar. 4, 2022	7:00 A.M.	2115

GPS: Survey and Rover Pole

This 40-hour class will introduce members to Topcon, Trimble and Leica GPS survey equipment. Members will be trained how to set up a rover pole, controller, and base station as well as learn how to use the software associated with each controller. Through a combination

of lecture and hands-on exercises, while using the equipment provided, members will calibrate a job site, establish control points, shoot topographical elevations, transfer GPS information to grade stakes as well as use other functions in the controller to layout a jobsite and compute distances and quantities.

Date	Start Time	Location
Feb. 21-25, 2022	7:00 A.M.	1142
Apr. 4-8, 2022	7:00 A.M.	1142

GPS and Machine Control

In this 40-hour class intended for seasoned dozer operators, members will be trained to use Topcon, Trimble and Leica GPS machine control hardware and software. Through lecture and hands-on exercises, members will learn how to navigate the machine interface, perform grading tasks, transfer files between equipment as well as basic troubleshooting and maintenance. In the event of inclement weather, class will be held indoors where the use of robotic total stations and simulators will be used to supplement the hands-on portion of the class. *Prerequisite:* Members need a minimum of 1,000 hours operating a dozer in the last five years.

Date	Start Time	Location
Dec. 6-10, 2021	7:00 A.M.	1142
Jan. 17-21, 2022	7:00 A.M.	1142
Feb. 28 - Mar. 4, 2022	7:00 A.M.	1142
Mar. 7-11, 2022	7:00 A.M.	1142
Mar. 14-18, 2022	7:00 A.M.	1142
Mar. 21-25, 2022	7:00 A.M.	1142



Drone Level 1

This course provides operators with the knowledge required to obtain an FAA unmanned aerial system remote pilot certificate and develop the skills needed to safely operate a UAV commercially. Each member will demonstrate an understanding of FAA part 107 regulations and testing procedures. The material covered in this course includes regulations, specific techniques used on construction and inspection sites and basic flight procedures. Upon completion of this course, student will be able to identify different types of drone missions used for construction, understand the options for processing data, demonstrate basic drone flying competency and take and pass the FAA Part 107 exam.

Date	Start Time	Location
Feb. 21-25, 2022	7:00 A.M.	1143



Drone Level 2

This course provides operators with the skills to use drones for construction applications. Materials covered in this course will include specific techniques used on construction sites, advanced flight procedures used in inspections, automated data collection for surveying applications, photometric data processing and choosing payloads for specific mission parameters. *Prerequisite:* Member must have taken the Drone Level 1 course and be in the process of testing with the FAA.

Date	Start Time	Location
Mar. 14-18, 2022	7:00 A.M.	1143



OECP Certification Test Dates

Written Examinations

Date	Start Time	Location
Oct. 30, 2021	8:00 A.M.	1140
Dec. 11, 2021	8:00 A.M.	1140
Jan. 8, 2022	8:00 A.M.	1140
Feb. 5, 2022	8:00 A.M.	1140
Feb. 26, 2022	8:00 A.M.	1140
Mar. 26, 2022	8:00 A.M.	1140
Apr. 23, 2022	8:00 A.M.	1140

Practical Examinations

Date	Start Time	Location
Oct. 16, 2021	7:00 A.M.	1140
Nov. 13, 2021	7:00 A.M.	1140
Dec. 4, 2021	7:00 A.M.	1140
Feb. 12, 2022	7:00 A.M.	1140
Mar. 12, 2022	7:00 A.M.	1140
Apr. 9, 2022	7:00 A.M.	1140

Overhead Practical Exams

Date	Start Time	Location
Oct. 30, 2021	10:00 A.M.	1140
Jan. 8, 2022	10:00 A.M.	1140
Apr. 23, 2022	10:00 A.M.	1140

More testing dates may be added throughout the training season. Please call the Training Center Certification Department at (815) 722-3201 for more information on OECP testing.

Crane Department



Introduction to Cranes

This 40-hour class has been designed as an entry level crane class for the member looking to possibly become a crane operator. Topics to be covered in this class included types of cranes, components, preventative maintenance, basic rigging and signaling. The Qualified Signal Person Safety Training is included in this class. **Note:** Nine member max per class.

Date	Start Time	Location
Nov. 29 - Dec. 3, 2021	7:00 A.M.	2023
Dec. 13-17, 2021	7:00 A.M.	2023
Jan. 17-21, 2022	7:00 A.M.	2023
Feb. 7-11, 2022	7:00 A.M.	2023
Feb. 14-18, 2022	7:00 A.M.	2023
Mar. 14-18, 2022	7:00 A.M.	2023
Mar. 28-Apr. 1, 2022	7:00 A.M.	2023

Introduction to Tower Cranes *

This class is an introduction to tower cranes. This class will be run on an as needed basis based on interest from the members. *Prerequisites:* OECP license and 2,000 hours of documented crane experience in the last five years.

Date
* Course will be offered on an as needed basis. Please contact ASIP to express interest.

Fundamentals of Hoisting and Rigging

This 80-hour class is designed for the beginner crane operator. Topics will include various aspects of craning, such as wire rope and rigging, proper setup procedures, load moment indicator (LMI) programming, load chart reading including calculations and deductions, operator responsibilities, assembly/disassembly and safe work practices. The class time is divided equally between classroom and hands-on training for hydraulic and friction cranes. *Prerequisite:* Introduction to Cranes or previously taken Fundamentals of Hoisting and Rigging. **Note:** Nine member max per class.

Date	Start Time	Location
Nov. 1-12, 2021	7:00 A.M.	2023
Jan. 3-14, 2022	7:00 A.M.	2023
Jan. 24 - Feb. 4, 2022	7:00 A.M.	2023
Feb. 28 - Mar. 11, 2022	7:00 A.M.	2023
Apr. 4-15, 2022	7:00 A.M.	2023

Advanced Hoisting and Rigging

This 40-hour class is designed around the crane operator looking to expand his or her knowledge and job type experience. The class consists of job-based experiences with operators working as a team. Each task must be completed on time and will be evaluated upon completion. All members attending this class will receive a Certificate of Completion. *Prerequisites:* Crane certified (OECF, Local 150 or City of Chicago) or prior completion of Fundamentals Hoisting and Rigging (80 Hour class). **Note:** Six member max per class.

Date	Start Time	Location
Dec. 13-17, 2021	7:00 A.M.	2025
Mar. 14-18, 2022	7:00 A.M.	2025
Apr. 18-22, 2022	7:00 A.M.	2025

Principles of Friction Cranes

This 40-hour class is devoted to Crawler type Friction Cranes. Topics covered will be safety, maintenance, and operation. The different applications of Friction Cranes will also be covered. *Prerequisite:* Fundamentals of Hoisting and Rigging. **Note:** Six member max per class.

Date	Start Time	Location
Oct. 18-22, 2021	7:00 A.M.	2025
Apr. 4-8, 2022	7:00 A.M.	2025



Signal Person Safety Training

This class was developed to meet the NEW OSHA standard CC 1926.1428 Signal Person Qualification. This new standard is going to require any person signaling a crane to be a Qualified Signal Person and they will need documentation of taking both a written and practical examination. After successfully completing this class, a member would meet the requirements of a qualified signal person. The curriculum is all classroom based and will cover topics such as: hand signals, voice signals, power line safety, crane dynamics and more. Both a written and practical exam will be administered after the completion of the course.

Date	Start Time	Location
Nov. 30, 2021	7:00 A.M.	2023
Dec. 16, 2021	7:00 A.M.	2023
Jan. 20, 2022	7:00 A.M.	2023
Feb. 10, 2022	7:00 A.M.	2023
Mar. 15, 2022	7:00 A.M.	2023
Mar. 29, 2022	7:00 A.M.	2023

Rigging Person Safety Training

This 24-hour safety training class will provide you with a safety training certificate to help the contractor qualify you as a rigger. Topics covered will be selection and inspection of rigging equipment, types of hitches, rigging hardware, specialty attachments, and all applicable OSHA standards. In order to successfully pass this course, you must attend all three days of class, pass a written assessment, pass a practical inspection, and complete hands-on practical rigging exercises in the crane field. *Prerequisite:* Signal Person Safety Training.

Date	Start Time	Location
Oct. 25-27, 2021	7:00 A.M.	2025
Nov. 22-24, 2021	7:00 A.M.	2025
Dec. 20-22, 2021	7:00 A.M.	2025
Feb. 14-16, 2022	7:00 A.M.	2025
Mar. 7-9, 2022	7:00 A.M.	2025

Mobile Crane

This 40-hour class is designed for members with 1,000 hours or more of crane related experience who would like to pursue Crane Certification. The curriculum is primarily classroom-based, offering little hands-on training. Course instructors will cover subjects pertaining to crane types, nomenclature/components, crane setup, and various crane accidents. The OSHA and ANSI standards will be covered with emphasis on power line safety, suspended personal platforms, and crane inspections, including shift, monthly, and annual. Other key topics include wire rope and rigging, hand signals, and principles of operation. Crane Math and load charts have been removed due to time constraints. Both are now available as separate courses in this catalog.

Date	Start Time	Location
Oct. 25-29, 2021	7:00 A.M.	2024
Dec. 6-10, 2021	7:00 A.M.	2024
Jan. 3-7, 2022	7:00 A.M.	2024
Jan. 31 - Feb. 4, 2022	7:00 A.M.	2024
Feb. 21-25, 2022	7:00 A.M.	2024
Mar. 21-25, 2022	7:00 A.M.	2024
Apr. 18-22, 2022	7:00 A.M.	2024

Crane Math and Load Charts

This 16-hour course was created for experienced and aspiring crane operators. The topics that will be covered include: working with percentages, fractions, decimals, conversions, and estimating weights through the use of standardized formulas. These skills will be taught with and without the use of calculators as the use of calculators is prohibited during certification exams. We will cover notes interpretation along with understanding and the utilization of load charts and range diagrams. We will utilize charts from various manufacturers and different crane types in this class. This class is recommended for those members preparing for crane certification.

Date	Start Time	Location
Oct. 18-19, 2021	7:00 A.M.	2024
Nov. 29-30, 2021	7:00 A.M.	2024
Jan. 24-25, 2022	7:00 A.M.	2024
Feb. 7-8, 2022	7:00 A.M.	2024
Apr. 11-12, 2022	7:00 A.M.	2024

Liebherr 1095 Assembly/Disassembly

This class is designed to introduce our members to the 1095 Liebherr truck crane. Throughout various hands-on exercises our members will set up, break down and operate the crane. This class is intended for members looking to familiarize themselves with Liebherr cranes and the new technology that is used during the assembly, disassembly and operation of the machine. **Note:** Max 10 members per class.

Date	Start Time	Location
Oct. 11-15, 2021	7:00 A.M.	2025
Feb. 28 - Mar. 4, 2022	7:00 A.M.	2025
Apr. 4-8, 2022	7:00 A.M.	2025



Heavy Equipment Technician Classes

Electrical 1

This 20-hour course is designed for the member new to electrical circuits. This class will look into the “Series” portion of electrical circuits. Use of digital multi-meters and electrical schematics will be covered in this course. There will be a balance of classroom and hands-on training provided. This class will be taught in two-and-a-half days. This class starts on a Monday and will run 7 A.M. - 3:30 P.M. Monday and Tuesday and will end at 11:00 A.M. on Wednesday.

Date	Start Time	Location
Feb. 14-16, 2022	7:00 A.M.	1054
Feb. 28 - Mar. 2, 2022	7:00 A.M.	1054

Electrical 2

This 20-hour course is designed for the member that has some experience with electrical circuits. This class will look into the “Parallel” and “Series/Parallel” portion of electrical circuits. There will be discussion of connector repair and hands-on machine troubleshooting in this course. There will be a balance of classroom and hands-on training provided. This class will be taught in two-and-a-half days. This class starts on a Wednesday and will run 11:30 A.M. - 3:30 P.M. on Wednesday then will run 7:00 A.M. - 3:30 P.M. Thursday and Friday.

Date	Start Time	Location
Feb. 16-18, 2022	11:30 A.M.	1054
Mar. 2-4, 2022	11:30 A.M.	1054

Electrical 3

This 20-hour class focuses heavily on troubleshooting electrical problems using schematics. Electrical I & II classes are strongly recommended prior to taking this course. This class will be taught in two-and-a-half days. This class starts on a Monday and will run 7 A.M. - 3:30 P.M. Monday and Tuesday and will end at 11:00 A.M. on Wednesday.

Date	Start Time	Location
Feb. 21-23, 2022	7:00 A.M.	1054
Mar. 7-9, 2022	7:00 A.M.	1054

Diesel Fuel Systems

This is a 20-hour course that covers mechanical diesel fuel systems. This course covers system design, theory of operation, troubleshooting techniques and discussion of repair procedures. There will be a balance of classroom and hands-on training. This class will be taught in two-and-a-half days. This class starts on a Monday and will run 7 A.M. - 3:30 P.M. Monday and Tuesday and will end at 11:00 A.M. on Wednesday.

Date	Start Time	Location
Nov. 15-17, 2021	7:00 A.M.	1034
Apr. 4-6, 2022	7:00 A.M.	1034

Hydraulics I

This 20-hour course will give the student a strong foundation in hydraulics as they relate to heavy equipment repair. There will be discussion on the components that make up the basic hydraulic system as well as use of schematics to understand hydraulic principles. There will be a balance of classroom and hands-on training. This class will be taught in two-and-a-half days. This class starts on a Monday and will run 7 A.M. - 3:30 P.M. Monday and Tuesday and will end at 11:00 A.M. on Wednesday.

Date	Start Time	Location
Nov. 8-10, 2021	7:00 A.M.	1049
Jan. 3-5, 2022	7:00 A.M.	1049

Hydraulics II

This is a 20-hour course that will give the student a strong foundation of hydraulic schematics as they relate to heavy equipment repair. There will be a balance of classroom and hands-on training. This class will be taught in two-and-a-half days. This class starts on a Wednesday and will run 11:30 A.M. - 3:30 P.M. on Wednesday then will run 7:00 A.M. - 3:30 P.M. Thursday and Friday.

Date	Start Time	Location
Nov. 10-12, 2021	11:30 A.M.	1049
Jan. 5-7, 2022	11:30 A.M.	1049



Electronic Engine Controls

This 20-hour course covers electronic diesel fuel system design, theory of operation, troubleshooting techniques and discussion of repair procedures. There will be a balance of classroom and hands-on training. This class will be taught in two-and-a-half days. This class starts on a Wednesday and will run 11:30 A.M. - 3:30 P.M. on Wednesday then will run 7:00 A.M. - 3:30 P.M. Thursday and Friday.

Date	Start Time	Location
Nov. 17-19, 2021	11:30 A.M.	1034
Apr. 6-8, 2022	11:30 A.M.	1034

Engine Disassembly and Assembly

This is a 20-hour course that covers disassembly and assembly of diesel engines. This class is entirely hands-on. This class will be taught in two-and-a-half days, classes starting on Monday will begin at 7 A.M. and those starting on Wednesday will begin at 11:30 A.M.

Date	Start Time	Location
Dec. 8-10, 2021	11:30 A.M.	1034
Apr. 13-15, 2022	11:30 A.M.	1034



Mobile Air Conditioning Service and Certification

This 20-hour course is designed to train a technician to properly service mobile air conditioning systems as well as provide them the opportunity to become certified to legally perform mobile air conditioning service work. Topics covered include: refrigerant types, principles relating to air conditioning, air conditioning components, refrigerant identification, performance testing air conditioning systems, and leak detection. This class starts on a Wednesday and will run 11:30 A.M. - 3:30 P.M. on Wednesday then will run 7:00 A.M. - 3:30 P.M. Thursday and Friday.

Date	Start Time	Location
Mar. 28-30, 2022	11:30 A.M.	1053
Apr. 18-20, 2022	7:00 A.M.	1053

Tier 4 Final

This 20-hour course was designed to explain Tier 4 Final as it relates to diesel engines. This course will cover the operation of the emissions system as well as basic troubleshooting techniques. This class starts on a Monday and will run 7 A.M. - 3:30 P.M. Monday and Tuesday and will end at 11:00 A.M. on Wednesday.

Date	Start Time	Location
Dec. 6-8, 2021	7:00 A.M.	1034
Apr. 11-13, 2022	7:00 A.M.	1034

Bolt Extraction and Plasma Cutting

This is an eight-hour class focusing on different methods of removing broken bolts as well as plasma cutting, carbon arc gouging and oxy-lance slice rod operations.

Date	Start Time	Location
Mar. 25, 2022	7:00 A.M.	1053



Heavy Equipment Welding Classes

Shielded Metal Arc Welding (SMAW) 1

This is a 20-hour course covering Stick (SMAW) welding. There will be classroom discussion of equipment, safety, and proper technique. The welding shop portion will include demonstrations of proper technique as well as plenty of practice time. Each section of the course will be limited to 12 journey workers.

Date	Start Time	Location
Dec. 13-15, 2021	7:00 A.M.	1053
Jan. 3-5, 2022	7:00 A.M.	1053
Jan. 31 - Feb. 2, 2022	7:00 A.M.	1053

Shielded Metal Arc Welding 2

This is a 20-hour course focusing on out of position Stick (SMAW) welding. There will be classroom discussion of equipment, safety, and proper technique. The welding shop portion will include demonstrations of proper technique as well as plenty of practice time. Welds can also be tested. Each section of the course will be limited to 12 members.

Date	Start Time	Location
Dec. 15-17, 2021	11:30 A.M.	1053
Jan. 5-7, 2022	11:30 A.M.	1053
Feb. 2-4, 2022	11:30 A.M.	1053

Gas Metal Arc Welding (GMAW)

This is a 20-hour course designed to explain the various modes of weld transfer when using the GMAW process (short circuit, globular, spray and pulsed spray). Also included will be discussions involving power supplies, filler metal, weld troubleshooting, equipment maintenance, and the various gases used with the GMAW process. The students will be instructed in equipment set-up and adjustment along with the proper techniques used when welding with the GMAW process. We will demonstrate flat, horizontal, vertical and overhead welding techniques. The scope of this class will be the welding of mild steel. There will be a balance of classroom and hands-on training.

Date	Start Time	Location
Jan. 10-12, 2022	7:00 A.M.	1053
Feb. 7-9, 2022	7:00 A.M.	1053

Flux Cored Arc Welding (FCAW)

This is a 20-hour course designed to explain the set-up, adjustment, properties and techniques involved with the FCAW process. The students will use both FCAW-SS (self shielded) and FCAW-GS (gas shielded). Also included will be discussion involving power supplies, filler metals, weld troubleshooting, equipment maintenance and the gas requirements for FCAW-GS. We will demonstrate flat, horizontal, vertical and overhead welding techniques. There will be a balance of classroom and hands-on training.

Date	Start Time	Location
Jan. 12-14, 2022	11:30 A.M.	1053
Feb. 9-11, 2022	11:30 A.M.	1053

Drilling Classes



Exploratory Drilling Level 1

This two-week course is designed to provide a program for operators to develop the skills needed to operate a Geotechnical drill rig for soil and rock exploration. Each student will demonstrate basic auger, mud rotary and rock coring drilling techniques. Material covered will include drill rig operation, different drilling methods, drilling method applications, safety, drill rig inspections, routine maintenance and systems trouble shooting.

Date	Start Time	Location
Apr. 18-29, 2022	7:00 A.M.	1143

Exploratory Drilling Level 2

This course is designed to provide a program for operators with drilling experience to develop the skills needed to operate a Geotechnical drill rig using advanced techniques. Each member will demonstrate Denison soil coring, mud mixing, setting casing, angle drilling and rock coring drilling techniques. Material covered will included drill rig operation, drilling method applications, drilling safety instrumentation and grouting. Six members max per class. *Prerequisites:* Exploratory Drill Level 1 or 1000 hours operating a geotechnical drill rig.

Date	Start Time	Location
Jan. 31 - Feb. 11, 2022	7:00 A.M.	1143

Introduction to Geothermal Drilling

This course is designed to provide a program for operators to develop the skills needed to drill and install ground loops for geothermal heating and cooling in residential and commercial ground exchange systems. Each student will demonstrate soils recognition, mud mixing, air rotary drilling, mud rotary drilling, down the hole hammer drilling, setting loops, and geothermal grouting. Material covered will include drilling safety, basic loop design, air and mud drilling methods, setting casing, loop placement and grouting techniques. *Prerequisites:* IGSHPA Accredited Loop Installer; proficiency on a drill rig.

Date	Start Time	Location
Apr. 4-8, 2022	7:00 A.M.	1143

HDPE Pipe Fusion

This course is designed to provide a program for operators to develop the skills needed to build and install header systems (supply and return) for geothermal heat pumps. Each student will demonstrate basic trenching, pipe fusion, plan reading, pipe layout and fabrication techniques. Material covered will include: digging safety, basic header design, mechanical plan reading, pipe layout, and heat fusion welding techniques. Upon completion of the class, proficiency tests will be available in butt, socket, and saddle fusion of HDPE pipe.

Date	Start Time	Location
Mar. 7-11, 2022	7:00 A.M.	1143

Introduction to Geothermal Systems *

This course was designed to provide a program for operators to develop the skills needed to work on geothermal loop field installation. Each student will be introduced to ground loop installation drilling and grouting techniques. Material covered will include: types of heat exchanger systems, loop design, and thermal properties of geological formations. Upon successful completion of this class, students will receive accreditation from the International Ground Source Heat Pump Association (IGSHPA).

Date
<i>* Course will be offered on an as needed basis. Please contact ASIP to express interest.</i>

Drilling Mud and Solids Control Systems

The course is designed to assist in the development of skills related to the use of drilling fluids and grouts. Topics covered will be the importance of makeup water, drilling fluids for the water well geothermal and directional drilling industries, fluid testing, fluid troubleshooting, and geothermal and conventional grouting techniques and equipment. Students will be working with and handling the drilling fluid testing equipment, discussing past and current fluid technology, mixing and pumping thermally enhanced grout, and troubleshooting drilling fluid related issues.

Date	Start Time	Location
Feb. 14-18, 2022	7:00 A.M.	1143

Horizontal Directional Drill - Level 1

This 80-hour class prepares our members for the “trenchless technology” that uses horizontal boring machines for utility work traditionally done with an excavator. This course will include instruction in the principles of directional boring, drilling fluids, pre-planning and set-up, along with hands-on instruction on a directional boring machine and locating devices. The directional boring operator shares all duties with a small crew, and these duties range from above-ground locating to various physical tasks to maintain, transport and operate the machine. The majority of these jobs require the member to also hold a valid CDL. **Note: 10 member max per class.**

Date	Start Time	Location
Nov. 1-12, 2021	7:00 A.M.	1150
Jan. 24 - Feb. 4, 2022	7:00 A.M.	1150
Mar. 28 - Apr. 8, 2022	7:00 A.M.	1150

Horizontal Directional Drill - Level 2

This 80-hour class will expand on the principles of safe and productive operation included in the Level I Class and introduce the equipment, work methods and procedures made necessary by the new and innovative applications of the directional drill. Members will learn how to read blueprints regarding the installation of underground utilities and simulate this installation during the hands-on portion of the class. The hands-on training will include the use of back reamers, mixing and using fluids, setting vaults and drilling around exposed utilities. Applicants **MUST** be proficient on a directional drill and/or locator. The majority of these jobs require the member to also hold a valid CDL. **Note: 10 member max per class.**

Date	Start Time	Location
Feb. 28 - Mar. 11, 2022	7:00 A.M.	1150
Apr. 11-22, 2022	7:00 A.M.	1150

Caisson Drill Rig Class

This 40-hour course will consist of classroom instruction and hands-on training. Classroom topics will include safety, the effects of various soil types on drill operations and all types of drilling procedures. The hands-on portion of the class will be done using a hydraulic caisson drill rig. **Note:** Class size will be limited to eight members.

Date	Start Time	Location
Jan. 3-7, 2022	7:00 A.M.	1143
Jan. 10-14, 2022	7:00 A.M.	1143
Jan. 17-21, 2022	7:00 A.M.	1143
Jan. 24-28, 2022	7:00 A.M.	1143

Construction Material Inspectors

Basic Knowledge Courses

ICC General Requirements Special Inspector

Type	Date	Start Time	Location
Code	Dec. 10, 2021	7:00 A.M.	2034
Code	Jan. 7, 2022	7:00 A.M.	2034
Code	Feb. 4, 2022	7:00 A.M.	2034

Introduction to Resume Building *

This course provides members with the skills needed to create a professional resume. A review of proper layout, vocabulary / grammar, and maximizing potential will be discussed. Members will have a chance to create their own resume to be used in real life.

Date

** Course will be offered on an as needed basis. Please contact ASIP to express interest.*

Introduction to Interviewing Techniques *

The course provides members with the tools and confidence for a professional interview with our signatory companies. A review of proper interview etiquette and vocabulary/grammar to use during an interview. Members will have an opportunity to perform mock interviews with instructors.

Date

** Course will be offered on an as needed basis. Please contact ASIP to express interest.*

Math 1 - Basic Math

This course will provide members with basic math skills that are used daily in the CBI program. This course will review: conversions, rounding and reporting, order of operations and word problems. Members will be given a practice exam at the end of the class to simulate taking timed exams.

Date	Start Time	Location
Dec. 3, 2021	7:00 A.M.	2034
Jan. 28, 2022	7:00 A.M.	2034

Math 2 - Fractions

This course will provide members with math skills regarding fractions that are used daily in the CBI program. This course will review: proper fractions, addition / subtraction of fractions, and averaging of fractions. Members will be given a practice exam at the end of class to simulate taking timed exams.

Date	Start Time	Location
Dec. 3, 2021	11:30 A.M.	2034
Jan. 28, 2022	11:30 A.M.	2034

Concrete Inspection Courses

Floor Flatness *†

Dates

* Course will be offered on an as needed basis. Please contact ASIP to express interest.

† This course is scheduled and offered by a 3rd party. Please contact ASIP for further information.

Post Tension Institute Unbonded PT Installer and Inspector - Level 1 & 2 *†

Dates

* Course will be offered on an as needed basis. Please contact ASIP to express interest.

† This course is scheduled and offered by a 3rd party. Please contact ASIP for further information.

Pre-Cast/Prestressed Concrete Institute Plant Quality Control Techniques *†

Dates

* Course will be offered on an as needed basis. Please contact ASIP to express interest.

† This course is scheduled and offered by a third party. Please contact ASIP for more information.

Pre-Cast/Prestressed Concrete Institute Certified Field Auditor *†

Dates

* Course will be offered on an as needed basis. Please contact ASIP to express interest.

† This course is scheduled and offered by a third party. Please contact ASIP for more information.

Prestressed/Post Tension Concrete Inspection *

This course will provide members with skills needed to perform field inspections for prestressed / post tension concrete inspection. The course will review: prestressed / post tension concrete inspection, basic blueprints, tendon inspection, and stressing of the tendon. *Prerequisite:* Reinforced Concrete Inspection

Date

* Courses will be offered on an as needed basis. Please contact ASIP to express interest.

ICC Pre-Stressed Concrete Special Inspector *

Type	Date
Plan & Code*	* Courses will be offered on an as needed basis. Please contact ASIP to express interest.

* Prerequisite for the Code class: Members must have taken the Prestressed/Post Tension Concrete Inspection and ICC Reinforced Concrete courses along with having a current ACI Concrete Field Testing Tech Grade 1 certification.

Reinforced Concrete Inspection

This course will provide members with skills needed to perform field inspections for reinforced concrete through a combination of classroom and hands on experience. The course will review: identifying reinforcing steel, basic blueprint reading, practice performing inspections on reinforcing steel. *Prerequisite:* ACI Concrete Field Testing Tech Grade 1.

Date	Start Time	Location
Dec. 13, 2021	7:00 A.M.	2035
Jan. 31, 2022	7:00 A.M.	2035
Mar. 14, 2022	7:00 A.M.	2035

ICC Reinforced Concrete Special Inspector

Plan

Date	Start Time	Location
Dec. 14, 2021	7:00 A.M.	2035
Feb. 1, 2022	7:00 A.M.	2035
Mar. 15, 2022	7:00 A.M.	2035

Code

Date	Start Time	Location
Dec. 15-17, 2021	7:00 A.M.	2035
Feb. 2-4, 2022	7:00 A.M.	2035
Mar. 16-18, 2022	7:00 A.M.	2035

**Prerequisite for the Code class: Members must have taken the Reinforced Concrete Inspection course and have a current ACI Concrete Field Testing Tech Grade 1 certification.*



Masonry Inspection Courses

Masonry Inspection

This course will provide members with skills needed to perform field inspections for masonry grout and mortar through a combination of classroom and hands on experience. The course will review: masonry construction, basic blueprint reading, grout sampling and inspection, and mortar sampling and inspection.

Date	Start Time	Location
Jan. 3, 2022	7:00 A.M.	2035
Feb. 14, 2022	7:00 A.M.	2035
Mar. 28, 2022	7:00 A.M.	2035

ICC Structural Masonry Special Inspector

Plan

Date	Start Time	Location
Jan. 4, 2022	7:00 A.M.	2035
Feb. 15, 2022	7:00 A.M.	2035
Mar. 29, 2022	7:00 A.M.	2035

Code

Date	Start Time	Location
Jan. 5-7, 2022	7:00 A.M.	2035
Feb. 16-18, 2022	7:00 A.M.	2034
Mar. 30 - Apr. 1, 2022	7:00 A.M.	2034

**Prerequisite for the Code class: Members must have taken Masonry Inspection course. Reinforced Concrete Inspection course is recommended.*



Soils Inspection Courses

Soils - Classification

This course will provide members with skills needed to perform field inspections for soil classifications through a combination of classroom and hands on experience. The course will review: different soil classifications, visual manual procedure, unified soil classification procedure, both lab and field tests to determine soil properties.

Date	Start Time	Location
Nov. 29-30, 2021	7:00 A.M.	2034
Jan. 24-25, 2022	7:00 A.M.	2034

Soils - Field Inspection

This course will provide members with skills needed to perform field inspections for soil classifications through a combination of classroom and hands on experience. The course will review: different soil classifications, visual manual procedure, unified soil classification procedure, both lab and field tests to determine soil properties.

Prerequisite: Soils-Classification

Date	Start Time	Location
Dec. 1-2, 2021	7:00 A.M.	2034
Jan. 26-27, 2022	7:00 A.M.	2034



ICC Soils Special Inspector

Plan

Date	Start Time	Location
Dec. 6, 2021	7:00 A.M.	2034
Jan. 31, 2022	7:00 A.M.	2034

Code

Date	Start Time	Location
Dec. 7-9, 2021	7:00 A.M.	2034
Feb. 1-3, 2022	7:00 A.M.	2034

**Prerequisites for the Code class: Members must have taken the Soils-Classfication and Soils-Field Inspection courses.*

Structural Steel Inspection Courses

AWS - Certified Welding Inspector *†

Dates

** Course will be offered on an as needed basis. Please contact ASIP to express interest.*

† This course is scheduled and offered by a 3rd party. Please contact ASIP for further information.

High-Strength Bolting Inspection

This course will provide members with skills needed to perform field inspections on high strength bolts through a combination of classroom and hands on experience. This course will review: installation methods, inspection methods, material identification and verification as well as basic blueprint reading

Date	Start Time	Location
Dec. 6, 2021	7:00 A.M.	2035
Jan. 10, 2022	7:00 A.M.	2035
Feb. 7, 2022	7:00 A.M.	2035

ICC Structural Steel and Bolting Special Inspector

Plan

Date	Start Time	Location
Dec. 7, 2021	7:00 A.M.	2034
Jan. 11, 2022	7:00 A.M.	2034
Feb. 8, 2022	7:00 A.M.	2034

Code

Date	Start Time	Location
Dec. 8-10, 2021	7:00 A.M.	2034
Jan. 12-14, 2022	7:00 A.M.	2034
Feb. 9-11, 2022	7:00 A.M.	2034

**Prerequisite for the Code class: Members must have taken the High-Strength Steel Bolting Inspection course.*

Spray-Applied Fireproofing Inspection

This course will provide members with skills needed to perform field inspections on spray-applied fireproofing through a combination of classroom and hands on experience. This course will review: identifying materials, basic blueprints / submittals, thickness inspection, bond strength testing, adhesion / cohesion testing, and density testing.

Date	Start Time	Location
Dec. 13, 2021	7:00 A.M.	2034
Jan. 17, 2022	7:00 A.M.	2034
Feb. 21, 2022	7:00 A.M.	2034

ICC Spray-Applied Fireproofing Special Inspector

Type	Date	Start Time	Location
Code & Plan	Dec. 14-16, 2021	7:00 A.M.	2034
Code & Plan	Jan. 18-20, 2022	7:00 A.M.	2034
Code & Plan	Feb. 22-24, 2022	7:00 A.M.	2034

**Prerequisite for the Code and Plan classes: Spray-Applied Fireproofing Inspection course.*

Structural Blueprint Reading

This course will provide members with skill needed to navigate structural blueprints for several types of inspections in the field through a combination of classroom and hands on experience. This course will review: basic understanding of blueprint organization, symbols, notes, details, drawing views.

Date	Start Time	Location
Nov. 22-24, 2021	7:00 A.M.	2034
Jan. 3-5, 2022	7:00 A.M.	2034

Welding Symbols

This course will provide members with skills needed to identify and interpret welding symbols. This course will review: joint types, identification of weld symbols and reading welding symbols.

Date	Start Time	Location
Jan. 17, 2022	7:00 A.M.	2034
Feb. 21, 2022	7:00 A.M.	2034

Welding Blueprints

This course will provide members with skills needed to understand and read weld symbols found on blueprints through a combination of classroom and hands on experience. This course will review: structural blueprints, fabrication shop blueprints and erector blueprints. *Prerequisite:* Welding Symbols course.

Date	Start Time	Location
Jan. 17, 2022	11:30 A.M.	2034
Feb. 21, 2022	11:30 A.M.	2034

Welding Inspection

This course will provide members with skills needed to perform field inspections on structural welds through a combination of classroom and hands on experience. The course will review: identification of weld types, different inspection methods, basic blueprint, and inspection on welds. *Prerequisite:* Welding Blueprints course.

Date	Start Time	Location
Jan. 18, 2022	7:00 A.M.	2034
Feb. 22, 2022	7:00 A.M.	2034

ICC Structural Welding Special Inspector

Plan

Date	Start Time	Location
Jan. 19, 2022	7:00 A.M.	2034
Feb. 23, 2022	7:00 A.M.	2034

Code

Date	Start Time	Location
Jan. 20-22, 2022	7:00 A.M.	2034
Feb. 24-26, 2022	7:00 A.M.	2034

**Prerequisites for the Code class: Members must have taken SMAW 1, GMAW 1 and Welding Inspection courses.*

Introduction and IDOT Courses

ASIP introduction courses give a general overview of inspection responsibilities and go over in depth some of the more challenging sections of the IDOT courses (calculations, charting, table, etc.). These courses are required prior to taking the IDOT courses and the schedule is pending on the IDOT course calendar. Please visit the ASIP website (www.asiplocal150.org) for availability and registration. Please see the below listed links to view the IDOT training schedule and contact ASIP to get registered for classes.

Introduction to Aggregate Technician

Introduction to Hot Mix Asphalt - Level 1

Introduction to Hot Mix Asphalt - Level 2

Introduction to Portland Cement Concrete - Level 1

Introduction to Portland Cement Concrete - Level 2

Introduction to Portland Cement Concrete - Level 3

IDOT Documentation of Contract Quantities provided by Illinois Center for Transportation *

<https://ict.illinois.edu/outreach/documentation-training/>

IDOT QC/QA Training Courses provided by Lake Land College

<https://www.lakelandcollege.edu/idot-quality-management-training-program/>

IDOT S33 Soils provided by IDOT

<https://idot.illinois.gov/doing-business/material-approvals/soils/index>

* Scheduling done by individual. Please see ASIP Class Reimbursement Policy prior to scheduling.

Commercial Truck Driving



Driver Loading and Unloading Procedures

This course was developed to give members a basic understanding of the job duties of a driver working at a rental house. Throughout the class, members will be instructed on a wide variety of topics that includes but is not limited to, the hiring process, what is expected of you as the driver, safety and the loading and unloading of different machines.

Date
<i>* Courses will be offered on an as needed basis. Please contact ASIP to express interest.</i>

MAP & DIRECTIONS

19800 West South Arsenal Road
Wilmington, IL 60481



Driving Directions:

From the North: Travel South on I-355. Exit onto I-55 South, and continue to Exit 241. Exit and travel East to Illinois Route 53. Turn left (North) and continue to W. Arsenal Road. Turn right (East). The Training Center will be on your left-hand side.

From the South: Travel North on I-55, and continue to Exit 241. Exit and travel East to Illinois Route 53. Turn left (North) and continue to W. Arsenal Road. Turn right (East). The Training Center will be on your left-hand side.

From the East: Travel West on Wilmington/Peotone Road to Old Chicago Road. Turn right (North) and continue to Quigley/Arsenal Road. Turn left (West). The Training Center will be on your right-hand side.

From the West: Travel East on I-80. Exit onto I-55 South, and continue to Exit 241. Exit and travel East to Illinois Route 53. Turn left (North) and continue to W. Arsenal Road. Turn right (East). The Training Center will be on your left-hand side.

WWW.ASIPLOCAL150.ORG

MANAGEMENT

LABOR

APPRENTICESHIP AND SKILL IMPROVEMENT PROGRAM





Local 150

CHICAGO DISTRICT

NORTHERN ILLINOIS

SOUTHERN ILLINOIS

WESTERN ILLINOIS



Welcome Guest Login

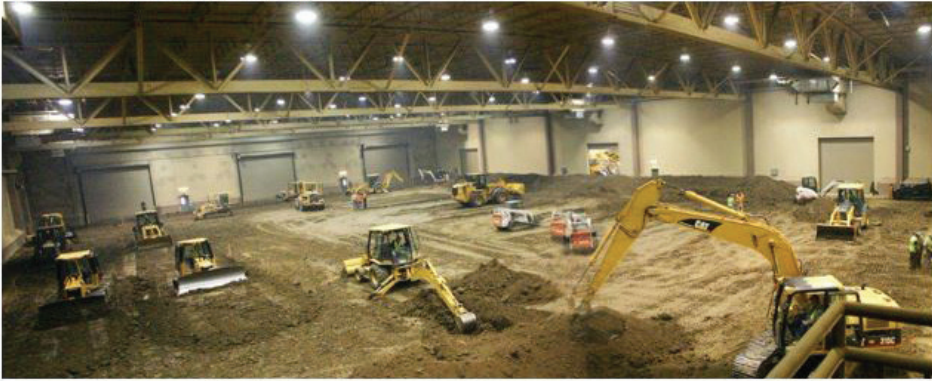
Photos


FAQ

Contact Us

HomeProgram InformationTraining SiteLinks

Welcome to ASIP Local 150



 Find us on Facebook

Check Application Status

Site News

[Sky's the Limit Video](#)
[Guest Speaker at CCHS](#)
[100 Years of Struggle](#)
[Local 150 Legacy Brick Paver Program](#)
[Crane Cert Program](#)
[OSHA Alliance Program](#)



Quick Links

[Local 150 Website](#)
[Local 150 Legacy Brick Paver Program](#)
[Letters to the Site](#)
[OECP Test Dates](#)
[City of Chicago Crane License](#)
[April is Safe Digging Month](#)

Local 150's training center is situated on 300-plus acres in Wilmington, IL. The center boasts 342,000 square feet of space housing an indoor training area, almost 200 pieces of heavy equipment, 30 classrooms, construction material testing lab, state of the art welding facility, equipment simulator lab, a 200-seat auditorium, and much more. Instructors are available to members six days a week, Monday through Saturday, except holidays.

Local 150 offers four apprenticeship programs: Heavy Equipment Operator, Heavy Equipment Repair Technician, Geothermal/Well Driller, and Construction Material Inspector (Field Inspector). We are currently only accepting applications for Heavy Equipment Repair Technicians. To obtain an application, please go to any one of our [District Halls](#) with your valid driver's license and a \$25 money order to fill out a request for an application packet. See our [FAQ](#) for more information.

We will begin accepting applications for Heavy Equipment Operator, Geothermal/Well Driller and Construction Material Inspector (Field Inspector) during the Fall of 2019.



James M. Sweeney
Chairman

David Snelten
Secretary

19800 West South Arsenal Road
Wilmington, Illinois 60481

The apprenticeship website is available to all members and contains the following information:

- District Union Meeting dates and times
- Class listings with descriptions, prerequisites, dates, times and availability
- Equipment Availability and the option to view or cancel a reservation if needed
- OECP Information
- Additional News and Information
- Your own training records:
 - Transcripts
 - Site equipment usage
 - On the Job training summary
 - Dispatch history (*apprentices*)

Your personal contact information can also be changed here, though this will only affect your Training Site Records, as we do not share contact information with Dispatch.

To access these items, you must first create a login for yourself or call the Training Center to have one created. If the training site has your name, registration number, and date of birth on record, you may create your own login online. If we do not have this information or you have never used the Training Center, please call 815-722-3201 and we will gladly create a login for you.



Local 150 Legacy Brick Paver Order Form



Purchase a personalized brick paver to be installed in the Memorial Garden Walkway located at the:

William E. Dugan Training Center in Wilmington, IL

Paver Bricks are \$50 each and include:

3 Lines of Standard Text, 15 characters or Spaces per line, optional images to be placed as indicated on the layout area

Contact Name: _____

Address: _____

City: _____ **State:** _____ **Zip:** _____

Telephone: _____ **Email:** _____

Please make check payable in the amount of \$50.00 to: **Local 150 Apprenticeship Fund**. Drop off or mail order form to: **ASIP Local 150, 19800 W. South Arsenal Rd., Wilmington, IL 60481 Attn: Jill Eichelberger**

Payment Information

Check # _____ **Date Paid:** _____

Name as it appears on account: _____

Money Order # _____ **Date Paid:** _____

Name of Issuing Bank or Institution: _____

Please print the message as you would like it to appear on the brick paver. Illustrate upper and lower case (case will appear as it does on this form). 15 characters maximum per line unless an image is selected (grey areas cannot include text if an image is selected). Text will be standard size, font, and style. Please print clearly.

Images consume 4 to 6 characters on two of the lines.

Line #1	Image No. _____	Image No. _____
Line #2		
Line #3		

I have proofread my imprint / message and approve it for production. I understand that Local 150 is not responsible for errors contained in the copy as it is submitted. Local 150 reserves the right to deny application and or content for any reason.

Signature: _____ Date: _____

Images below are available to be placed on your brick paver. Please indicate the image number in the grey area of the brick paver above that you would like image placed. Please note that size and location of images are approximate and may vary slightly.



1



2



3



4



5



JOHN DEERE

6



7



8

NOTES



International Union of Operating Engineers, Local 150
Apprenticeship and Skill Improvement Program
19800 W. South Arsenal Road
Wilmington, IL 60481



NON PROFIT
U.S. Postage
PAID
LaGrange, IL
Permit No. 39

Local 150 Apprenticeship and Skill Improvement Program Trustees

Union

James M. Sweeney- Chairman
IUOE Local 150
President-Business Manager

Michael R. Kresge
IUOE Local 150
Recording-Corresponding Secretary

Marshall E. Douglas
IUOE Local 150
Treasurer

David A. Fagan
IUOE Local 150
Financial Secretary

Jeffrey A. Horne
IUOE Local 150
Vice President

Management

David Snelten- Sec.-Treasurer
Excavators, Inc.
Snelten, Inc.

G. Larry Eckardt
Chicagoland Crane Assoc.
Imperial Crane Services, Inc.

Steve Michaels
N.W. Indiana Contractors Assoc.
Superior Construction

Daniel R. Plote
Northern IL Material Producers Assoc.
Beverly Materials LLC

David Rock
Illinois Road Builders Assoc.
IHC Construction Co., LLC

William Collins
Underground Contractors Association
R.W. Collins