

# TRACKS TO TRADES

A RESOURCE GUIDE TO PURSUING A CAREER IN CONSTRUCTION





Hello, Chicago Builds and Prosser Students!

Thank you for participating the Walsh-Fluor Design-Build Team's six-part Tracks-to-Trades program. We hope you found the information to be useful as you consider education and career paths beyond high school.

On the following pages, you will find more information regarding various career pathways into the construction industry.

If you have any questions or would like additional information about working in construction, please feel free to reach out to us at any time.

Thank you for your participation and good luck with your future!

Sincerely,

The Walsh-Fluor Design-Build Team



## FREQUENTLY ASKED QUESTIONS

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What is an apprenticeship?

An apprenticeship is a paid period of training that allows you to learn a particular skill or set of skills. Apprenticeships range from two to five years in duration and are required by all trades.



How much does the training cost?



Nothing! Apprenticeship programs are FREE. And you can earn money while you learn. 😊



What happens after the apprenticeship?

Once you've completed the required hours of the apprenticeship, you graduate to journey level. At this point, you can be making \$35 to \$50 an hour.



What is a labor union and do I have to join one?

A labor union is an organization of workers joined to protect their common interests and improve their working conditions. It serves as an intermediary between the employer and the employees, and gives workers power to negotiate more favorable working conditions through collective bargaining.

Illinois is not a right-to-work state, which means if you are applying for a job where employees are unionized, you could be required to join the union.



# CONSTRUCTION TRADES INFORMATION

Interested in starting your career in the trades? Below is information on available apprenticeship programs offered by various trade unions, requirements for entry, and career possibilities after you complete the training program. For additional information on all trades, visit [www.CISCO.org/apprenticeship](http://www.CISCO.org/apprenticeship).

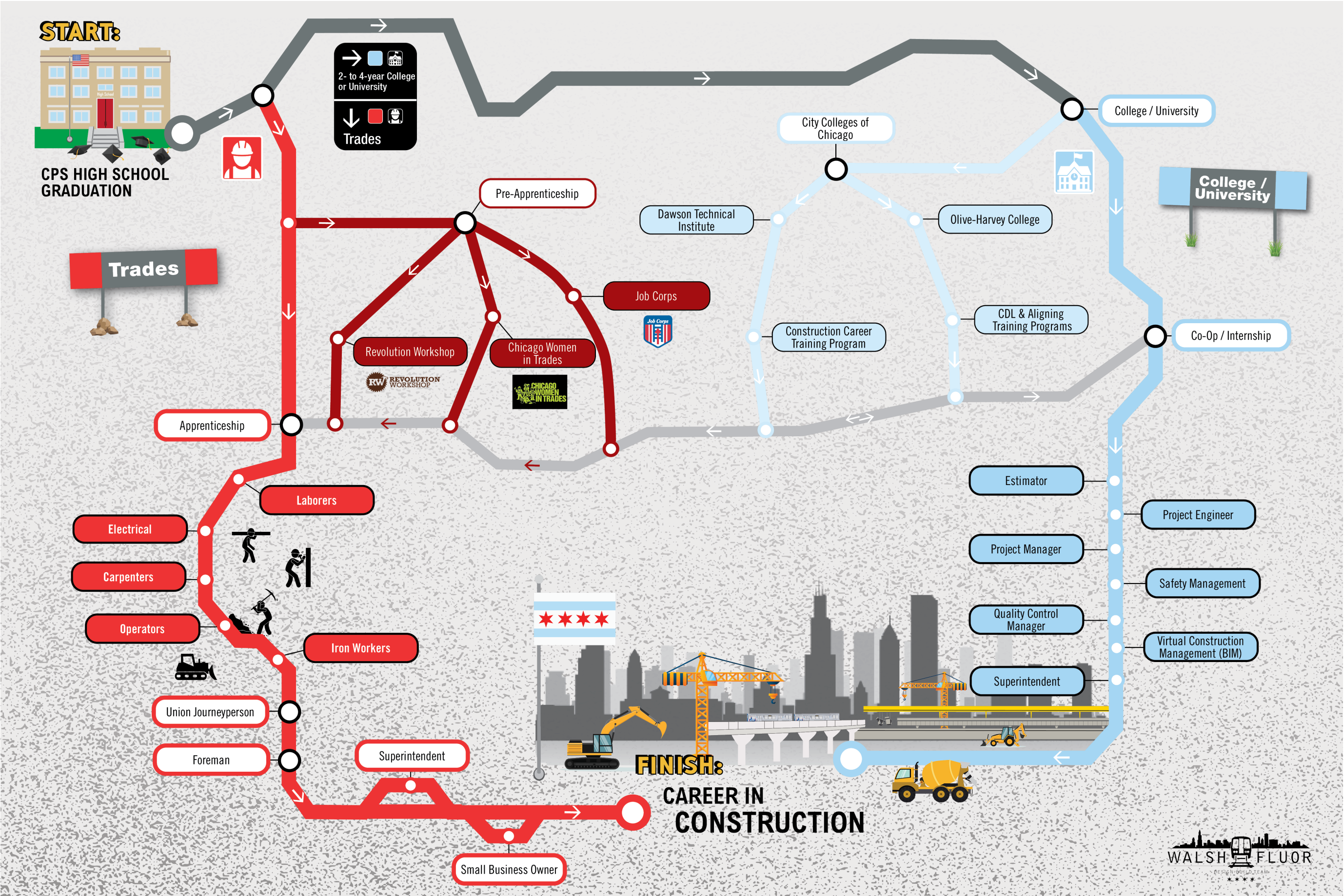


	ELECTRICAL IBEW 134	ELECTRICAL IBEW 09	CARPENTERS	IRON WORKERS	LABORERS	OPERATORS
AVAILABLE PROGRAMS	IN-TECH Program: IBEW-NECA Technical Institute (IN-TECH) is the apprenticeship and education center for IBEW 134	Local 09 Apprenticeship	Pre-Apprenticeship Programs: <ul style="list-style-type: none"><li>» General Carpentry</li><li>» Concrete Form Builders</li><li>» Mill Cabinet</li></ul>	Local 01 Apprenticeship	LiUNA Apprenticeship, Laborers Union	Local 150 Apprentice Programs: <ul style="list-style-type: none"><li>» Heavy Equipment Operator</li><li>» Heavy Equipment Repair Tech</li><li>» Construction Material Inspector</li><li>» Geothermal/Well Drilling Operator</li></ul>
REQUIREMENTS	<ul style="list-style-type: none"><li>» Must be 17 years or older</li><li>» Valid driver's license &amp; social security card</li><li>» High school diploma or GED (seniors may register with acceptance contingent upon graduation)</li><li>» Must have completed one full year of high school algebra with passing grade of "C" or better for electrical construction and communications programs</li><li>» Non-refundable \$50 application fee (money orders payable to EJATT)</li></ul>	<ul style="list-style-type: none"><li>» CDL A license or permit with Air Brake Endorsement</li><li>» DOT Medical Card</li><li>» Resume</li><li>» High school diploma or GED</li><li>» \$25 processing fee</li><li>» Pass written exam</li><li>» Pass health performance evaluation</li></ul>	<ul style="list-style-type: none"><li>» Must apply in person</li><li>» Must be 17 years or older</li><li>» High school diploma or GED</li><li>» Valid driver's license &amp; social security card</li><li>» Must be physically fit</li><li>» Must pass a drug test</li><li>» Reliable transportation</li><li>» Sponsorship letter (from Local or Contractor)</li><li>» \$25 application fee</li></ul>	<ul style="list-style-type: none"><li>» Must apply in person</li><li>» Must be 17 years or older</li><li>» High school diploma or GED</li><li>» Valid driver's license &amp; social security card</li><li>» Must be physically fit</li><li>» Must pass a drug Test</li><li>» Reliable transportation</li><li>» \$25 application fee</li></ul>	<ul style="list-style-type: none"><li>» Must be sponsored by a Signatory Contractor</li><li>» Must be 18 years or older</li><li>» Must be physically able to perform the work of the trade</li><li>» Reading, writing, understanding and communication ability in the English language</li><li>» High school diploma, GED, or minimum 10<sup>th</sup> grade education</li><li>» Valid driver's license &amp; social security card</li></ul>	<ul style="list-style-type: none"><li>» Must be 18 years or older</li><li>» Vvalid drivers license with current address and maintain such for the duration of the training</li><li>» Dependable form of transportation</li><li>» Must be able to pass required drug test</li><li>» High school diploma or GED</li><li>» Must be able to read, write, and speak in the English language</li><li>» Non-refundable application fee payable by money order only</li><li>» Statement from licensed physician stating physical ability to perform the work</li><li>» All applicants must be a resident of a county found in Local 150's jurisdiction</li></ul>
DURATION	<ul style="list-style-type: none"><li>» Must attend classes for 3 months &amp; work for contractors 9 months each year</li><li>» Electrical construction program (5 years assembling, installing, maintaining, and testing electrical equipment for indoor settings</li><li>» Communications program (4 years training apprentices to install and maintain structured wiring and electronic systems in an indoor setting</li><li>» Assigned to contractor after 1<sup>st</sup> year, which is 11 weeks for both programs</li></ul>	<ul style="list-style-type: none"><li>» Department of Labor certified 4-year, 8-step program</li><li>» On-the-job training and classroom instruction</li><li>» Probationary period: 2,000 hours / one year</li></ul>	9-week program: Monday through Friday 8am to 4pm	<ul style="list-style-type: none"><li>» Schooling in classroom every year of apprenticeship</li><li>» Year of apprenticeship is determined by hours worked</li><li>» Need 3 years of apprentice status before advancing</li></ul>	<ul style="list-style-type: none"><li>» 2,400 hours of on-the-job training</li><li>» 360 hours of classroom training over 2-year period</li></ul>	Dependent upon program selection: <ul style="list-style-type: none"><li>» 6,000- to 8,000-hour durations</li><li>» Classroom &amp; onsite learning</li></ul>
BENEFITS	<ul style="list-style-type: none"><li>» Hands-on field training with an electrical contractor</li><li>» Less than 3 months in the classroom each year</li><li>» No tuition, earn college credits while attending classes</li><li>» Get paid during 2<sup>nd</sup> &amp; 3<sup>rd</sup> years of schooling</li><li>» First year earn 40% Journey rate (\$24/hr)</li></ul>	<ul style="list-style-type: none"><li>» Hands-on field training with an electrical contractor</li><li>» Less than 3 months in the classroom each year</li><li>» No tuition, earn college credits while attending classes</li><li>» Get paid during 2<sup>nd</sup> &amp; 3<sup>rd</sup> years of schooling</li><li>» First year earn 40% Journey rate (\$22/hr)</li></ul>	<ul style="list-style-type: none"><li>» Classroom and onsite training to develop skills as a Carpenter</li><li>» Health benefits &amp; pension</li><li>» Earn while you learn</li></ul>	<ul style="list-style-type: none"><li>» Classroom and onsite training to develop skills as an Iron Worker</li><li>» Health benefits &amp; pension</li><li>» Earn while you learn</li></ul>	<ul style="list-style-type: none"><li>» Start at 60% journey wage and progress each work requirement is met</li><li>» Earn while you learn</li><li>» Health benefits</li></ul>	<ul style="list-style-type: none"><li>» Classroom and onsite training to develop skills as an Operator</li><li>» Health insurance and pension</li><li>» Earn while you learn</li></ul>
CAREER POSSIBILITIES	Local 134 Electrical Apprentice	Local 09 Electrical Apprentice	<ul style="list-style-type: none"><li>» General Carpentry</li><li>» Lathers</li><li>» Flooring</li><li>» Mill Cabinet</li><li>» Concrete</li></ul>	Local 01 Iron Worker Apprentice	Laborer Apprentice	Local 150 Apprentice



# CONSTRUCTION CAREER PATHS

DIFFERENT PATHWAYS INTO THE CONSTRUCTION INDUSTRY





# CONSTRUCTION CAREER OCCUPATIONS

Whether you attend a two- or four-year college or university, or decide to enter the trades immediately after graduating high school, there are several job options and occupations awaiting you. The construction industry in Chicago will be booming over the next several years, and opportunities for careers should be plentiful. Below are descriptions of common roles and positions you can hold if you decide to pursue a career in construction.



## APPRENTICE

An apprentice is a worker who learns a skilled trade through planned, supervised, on-the-job training and related classroom instruction. The length of an apprenticeship program typically runs 2 to 5 years.



## UNION JOURNEYPERSON

After completing an apprenticeship, an apprentice becomes a journeyman. A journeyman is fully qualified to perform the work of the trade and earns full pay for the skill.



## FOREPERSON

A foreperson serves in a managerial role on a construction crew. The foreperson supervises and delegates tasks to their construction crew, providing hands-on guidance.



## SUPERINTENDENT

Superintendents oversee all aspects of a construction project from start to finish. Superintendents typically split time between being onsite making sure all employees are staying productive, on task, and obtaining updates for forepersons who report to the superintendent.



## ESTIMATOR

An estimator works for a contractor and is responsible for developing accurate and timely proposals and estimates for work to be performed on construction projects. Tasks may involve reviewing project plans and contract specifications, preparing quantity takeoffs and reviewing bid documents.



## PROJECT ENGINEER

A project engineer works for a contractor or construction management firm and ensures that the construction work being done on a project complies with engineering design and principles, cost guidelines, and reporting requirements.



## PROJECT MANAGER

Project managers are responsible for the overall direction, completion, financial outcome, technical success and quality of a construction project. The project manager also establishes and maintains positive relationships with owners, subcontractors, design partners and unions.



## VIRTUAL BUILDING INFORMATION MODELING (BIM) CONSTRUCTION MANAGER

Manage construction technology and collaboration processes via the production of deliverables using various construction technology.



## SAFETY MANAGER

Safety managers provide leadership and guidance in the development and implementation of safety and health processes on construction projects. Safety managers ensure safety practices are followed so that everybody on the jobsite returns home safely each night.



## QUALITY CONTROL MANAGER

Quality control managers are responsible for implementing, improving, and executing project-specific quality program requirements. They ensure the design and construction work is planned and executed in accordance with established procedures and project requirements.

— **UNIONS** Interested in working in the construction trades? Below is a selection of local Unions you can join. —

### ELECTRICAL IBEW 134

IBEW Local 134 represents more than 17,000 construction, communication, and residential electricians in the Chicago region.

Assemble, install, maintain and test electrical equipment and wiring systems in residential, commercial and industrial settings.



### ELECTRICAL IBEW 09

IBEW Local 09 represents men and women who perform outside electrical work in the following fields:

- » Cable Television & Telephone
- » Government
- » Line Clearance Tree Trimming
- » Outside Construction & Distribution
- » Utility



### CARPENTERS

The Chicago Regional Council of Carpenters represents over 30,000 working men and women in Illinois and Iowa. A carpenter's work may include stair building; furniture installation; trim, door and hardware installation; garage doors; panel installation; shelving, and signage; and window treatment installation.



### IRON WORKERS LOCAL 1

Members of Local 1 are skilled craftsman who build bridges, buildings, as well as schools, concert venues, stadiums, hospitals, and amusement parks. Skills include erecting structural steel, placing reinforcing steel, rigging, assembly and disassembly of cranes, and more.



### LABORERS

LiUNA – the Laborers' International Union of North America – members help build the U.S. by performing physical tasks such as cleaning, removing debris, loading and unloading materials, assembling and disassembling temporary structures, digging trenches, compacting earth, and assisting craftspeople with their duties.



### OPERATING ENGINEERS LOCAL 150

Members of Operating Engineers Local 150 run and/or fix heavy equipment, such as cranes, bulldozers, front-end loaders, rollers, backhoes, graders, dredges, hoists, drills, pumps and compressors, in a variety of industries, some closely related to construction, others not.



# CONSTRUCTION CAREER TRAINING PROGRAMS

If you are interested in pursuing a career in construction, but feel as if you could benefit from additional training, there are several training programs you can partake in before entering an apprentice program or attending college. Below is information regarding local pre-apprenticeship programs, as well as construction career training programs that are available through City Colleges of Chicago.

## DID YOU KNOW?

IF YOU ARE A GRADUATE OF CHICAGO PUBLIC SCHOOLS WITH A GPA OF 3.0 OR HIGHER, YOU COULD QUALIFY FOR FREE TUITION TO CITY COLLEGES OF CHICAGO.

## PRE-APPRENTICESHIP PROGRAMS

### REVOLUTION WORKSHOP

This pre-apprenticeship program is located in East Garfield Park and provides construction training for unemployed or underemployed people looking for a career in construction. The focus is on carpentry and electrical work.



### CHICAGO WOMEN IN TRADES

The Technical Opportunities Program is a free 12-week pre-apprenticeship program that exposes you to carpentry, electrical, ironworker, pipe fitting, laborers, plumbing, painting, sheet metal and brick laying.



### JOB CORPS

Job Corps offers tuition-free training and education in the trades. The Paul Simon Chicago Job Corps Center in Chicago focuses on three areas: painting, carpentry, and bricklaying.



## TECHNICAL CAREER TRAINING PROGRAMS

### DAWSON TECHNICAL INSTITUTE OF KENNEDY-KING COLLEGE

Dawson Tech's Highway Construction Career Training Program is a free 16-week training program that provides exposure to various construction trades and industry terminology in a hands-on environment.

### OLIVE-HARVEY COLLEGE

Olive Harvey's Commercial Driver Training certificate program is designed for individuals with little or no commercial driving experience. The program trains students for entry level employment as commercial motor vehicle operators and prepares students to obtain a Commercial Driver's License (CDL).

#### Programs Available:

CDL - A (Theory, Skills, Road)

CDL-B (Theory, Road); Diesel Technology; Supply Chain Management & Logistics; Aviation Technology Apprenticeship

# CONSTRUCTION TRADES CONTACT INFORMATION

## PRE-APPRENTICESHIP PROGRAMS

### CHICAGO WOMEN IN TRADES

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CKing@CWIT.org  
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<https://cwit.org>

### REVOLUTION WORKSHOP

Brittney Gunn, Program Coordinator  
bgunn@revolutionworkshop.org  
708.529.6288  
[www.revolutionworkshop.org](http://www.revolutionworkshop.org)

### JOB CORPS

Francisco Sosa, Outreach & Admissions  
Coordinator  
sosa.francisco@jobcorps.org  
773.716.7672  
[www.jobcorps.gov](http://www.jobcorps.gov)

## UNION APPRENTICESHIP PROGRAMS

### CHICAGO REGIONAL COUNCIL OF CARPENTERS

Victor Ceron, Assistant Coordinator of  
Apprenticeship Programs  
vceron@chica.org  
847.640.7373  
[www.chicap.org](http://www.chicap.org)

### IBEW LOCAL 134 (ELECTRICAL)

Maurice King  
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708.389.1340  
[www.lu134.org](http://www.lu134.org)

### IBEW LOCAL 09 (ELECTRICAL)

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708.449.9000  
[ibew9.org](http://ibew9.org)

### LABORERS LOCAL 76

Steve Kastivales  
stevlocal76@yahoo.com  
773.427.0076  
[www.liuna.org](http://www.liuna.org)

### OPERATING ENGINEERS LOCAL 150

Apprenticeship & Skill Improvement  
Program  
Daphne Jackson  
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815.722.3201  
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### PAINTERS DISTRICT COUNCIL 14

Hector Hernandez  
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org  
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### PLUMBERS LOCAL 130

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[www.plumberslu130ua.org](http://www.plumberslu130ua.org)

### IRONWORKERS LOCAL 1

Kenneth Davis  
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312.480.1103  
[www.iwlocal1.com](http://www.iwlocal1.com)

### CEMENT MASONS LOCAL 502

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708.544.9100  
[www.cmlocal502.com](http://www.cmlocal502.com)

## CITY COLLEGES OF CHICAGO TECHNICAL TRAINING PROGRAMS

### DAWSON TECHNICAL INSTITUTE

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[www.ccc.edu/colleges/kennedy/departments/Pages/Dawson-Technical-Institute.aspx](http://www.ccc.edu/colleges/kennedy/departments/Pages/Dawson-Technical-Institute.aspx)

### OLIVE HARVEY COLLEGE

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## FINANCIAL LITERACY

### PROVIDENCE BANK

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