

Mail-In Registration Form

Please complete the mail-in registration form below, and include a check made payable to Monroe Community College OR use the credit card authorization below. Please contact John Troy at 585.685.6172 for more information. **Registration Deadline: December 20, 2021**

MAIL TO: MCC Economic and Workforce Development Center  
321 State St., 7th Floor, Rochester, NY, 14608-1849

Name	DOB	
Address		
City	State	Zip
Email		
Phone: Day	Evening	
Employer		
Who will be paying for the course(s) selected? (Please check one) <input type="radio"/> I am paying for the training <input type="radio"/> My employer is paying for the training <input type="radio"/> Course fee is being paid by a different source _____		

Course No.	Course Name	Cost
WBUS 213	Geometric Dimensioning and Tolerancing Section Feb 14, 15, 16, 17, 2022	<input type="radio"/> \$299
WBUS 214	Geometric Dimensioning and Tolerancing - Intermediate	<input type="radio"/> \$159
WCON 100	Construction Essentials	<input type="radio"/> \$975
WELC 102	Electrical Theory and Devices (Level 1B)	<input type="radio"/> \$975
WELC 202	Conductor Installation and Devices (Level 2B)	<input type="radio"/> \$975
WELC 302	Introduction to Motor Controls (Level 3B)	<input type="radio"/> \$975
WELC 402	Motor Control Application (Level 4B)	<input type="radio"/> \$975
WPLU 102	Plumbing - Intro to Drain, Waste and Vent Systems (Level 1B)	<input type="radio"/> \$975
WPLU 202	Plumbing - Water Systems (Level 2B)	<input type="radio"/> \$975
WSPU 100	Project Supervision	<input type="radio"/> \$975
WPIP 300	Pipefitting (Level 3)	<input type="radio"/> \$975
WPIP 400	Pipefitting (Level 4)	<input type="radio"/> \$975

Charge Authorization

I authorize you to charge my: ☐ Visa    ☐ Mastercard    ☐ Discover Card

\$	Acct. No.	Exp. Date
Cardholder's Name		
Cardholder's Signature		

Monroe Community College prohibits discrimination based on race, color, religion, sex, sexual orientation, pregnancy, familial status, gender identity or expression, age, genetic information, national or ethnic origin, physical or mental disability, marital status, veteran status, domestic violence, victim status, criminal conviction, or any other characteristic or status protected by state or federal laws or College policy in admissions, employment, and treatment of students and employees, or in any aspect of the business of the College. MCC provides equal access to the Boy Scouts and other designated youth groups. Inquiries regarding the application of Title IX and other laws, regulations and policies prohibiting discrimination may be directed to MCC's Civil Rights Compliance Coordinators: Shannon Glasgow, Title IX coordinator (585-292-2108 / sglasgow@monroecc.edu) or Kristin Lowe, assistant coordinator (585-292-2114 / klowe5@monroecc.edu), Calvin J. Ganitt, assistant coordinator, (585) 292-2122 / cganitt@monroecc.edu, Ryan Messenger, assistant coordinator, (585) 292-2193 / rmessenger@monroecc.edu at Monroe Community College, 1000 East Henrietta Road, Rochester, NY 14623. © 2021 Monroe Community College.

Other Degrees

MONROE COMMUNITY COLLEGE ALSO OFFERS DEGREE PROGRAMS FOR SEVERAL SKILLED TRADES:

- **Mechatronics Certificate**  
Prepare for positions that involve the operation and maintenance of electro-mechanical-computer controlled systems commonly found in automated manufacturing environments.
- **Heating, Ventilation, and Air Conditioning A.A.S.**  
Provides a well-rounded education in HVAC technology and a thorough understanding of the theory and applications for systems operation.
- **Precision Machining A.A.S. and Certificate**  
Gain the skills for a career in the precision metal working industry, such as, mold making, machine building, tool making, die making, CNC machining, and other manufacturing areas.
- **Precision Machining: Optical Fabrication Certificate**  
Optical fabrication is the manufacturing of optical components used in cameras, lasers, fiber optics, and digital imaging.
- **Solar Thermal Technology Certificate**  
Gain essential information and training to install and work with solar thermal systems including: fundamentals of collecting and transferring solar heat.

TO LEARN MORE ABOUT THESE DEGREE PROGRAMS GO TO [WORKFORCEFORWARD.COM/DEGREES](http://WORKFORCEFORWARD.COM/DEGREES).



Economic & Workforce Development Center

MCC'S DOWNTOWN CAMPUS  
321 STATE STREET  
7<sup>TH</sup> FLOOR

Economic & Workforce Development Center

MONROE COMMUNITY COLLEGE

1000 East Henrietta Rd.  
Rochester, NY 14623



SKILLED TRADES  
APPRENTICESHIP RELATED INSTRUCTION | SPRING 2022

Registration available online at  
[workforceforward.com/SkilledTrades](http://workforceforward.com/SkilledTrades)

For more information contact  
John Troy at 585.685.6172 or  
[jtroy@monroecc.edu](mailto:jtroy@monroecc.edu)



SKILLED TRADES  
APPRENTICESHIP RELATED INSTRUCTION | SPRING 2022

Increase Your Skill & Your Potential

Electrical • Pipefitting • Plumbing • Sprinkler Fitting



Economic & Workforce Development Center

MONROE COMMUNITY COLLEGE

## Pipe Trades

These 116 hour training programs are focused on building your skills. If you are currently participating in a NYSDOL registered apprenticeship program in the trades, this credit can be applied to your program.

### WPLU 102: PLUMBING - INTRO TO DRAIN, WASTE, AND VENT SYSTEMS (LEVEL 1B)

This course covers the proper applications of code-approved fixtures in plumbing installations; introduction to Drain, Waste and VENT (DWV) systems, functions and components; identifies major components of water distribution systems and their functions.

JAN 18 - MAY 26, 2022 TU & TH 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 550

COST: \$975 INSTRUCTOR: DEAN LOCKE

### WPLU 202: PLUMBING - WATER SYSTEMS (LEVEL 2B)

In this course you will learn the proper techniques for installing and testing water systems; installation of basic fixtures; installing various water heaters and an introduction to principles of electricity.

JAN 18 - MAY 26, 2022 TU & TH 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 552

COST: \$975 INSTRUCTOR: WAYNE BEYERS

### WPIP 300: PIPEFITTING (LEVEL 3)

This course covers rigging practices; pipefitting standards, codes and specifications; trade math; about ground pipe installation, hangers and supports; how to test piping systems, such as service flow test and hydrostatic tests.

JAN 18 - MAY 26, 2022 TU & TH 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 556

COST: \$975 INSTRUCTOR: JOSEPH GIANNOCCARO

### WPIP 400: PIPEFITTING (LEVEL 4)

This course will include advanced blueprinting; pipe fabrication, steam traps, special piping, hot taps, and maintaining valves.

JAN 18 - MAY 19, 2022 TU & TH 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 554

COST: \$975 INSTRUCTOR: JOSEPH GIANNOCCARO

## Electrician

Each semester of electrical training provides 99 hours of classroom training, 21 of which are National Electrical Code (NEC) related instruction. If you are currently participating in a NYSDOL registered apprenticeship program in the trades, this credit can be applied to your program.

### WELC 102: ELECTRICAL THEORY AND DEVICES (LEVEL 1B)

You will be introduced to the National Electrical Code (NEC); device boxes; raceways and fitting; conductors and cables; basic electrical construction drawings; residential electric services; and electrical test equipment.

JAN 17 - MAY 11, 2022 M & W 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 550

COST: \$975 INSTRUCTOR: ROB POLLOTTA

### WELC 202: CONDUCTOR INSTALLATION AND DEVICES (LEVEL 2B)

This course will teach you about conductor storage, set up, transportation and installation; procedures for cables pulls in raceways and cable trays; National Electrical Code (NEC) requirements including modifications and installations; termination methods for conductors; grounding and bonding of electrical systems, and fuses and circuit breakers.

JAN 17 - MAY 11, 2022 M & W 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 552

COST: \$975 INSTRUCTOR: SHANNON WRIGHT

### WELC 302: INTRODUCTION TO MOTOR CONTROLS (LEVEL 3B)

You will be introduced to single and multiple motor controls; over-current protection; sizing calculations; National Electrical Code (NEC) for commercial services; transformer types and connections. You will also be introduced to the installation and testing of voice, data, and video systems.

JAN 17 - MAY 11, 2022 M & W 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 554

COST: \$975 INSTRUCTOR: ANTHONY DEBONA

### WELC 402: MOTOR CONTROL APPLICATION (LEVEL 4B)

You will learn motor operation and preventive maintenance; troubleshooting procedures; solid-state controls; commercial/industrial lighting; National Electrical Code (NEC) for special locations; basic overview HVAC systems; specialty transformers.

JAN 17 - MAY 11, 2022 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 556

COST: \$975 INSTRUCTOR: RICHARD COOPER

## Construction Trades

These 99-hour training programs are focused on building your skills. If you are currently participating in a NYSDOL registered apprenticeship program in the trades, this credit can be applied to your program.

### WPSU 100: PROJECT SUPERVISION

This course is designed for the first level supervisor or new site superintendent. Project supervision topics of study will include: effective communication skills, introduction to leadership skill development, key elements of an effective safety program, scheduling work and resource control.

JAN 17 - MAY 11, 2022 M & W 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 558

COST: \$975 INSTRUCTOR: JOEL SASSO

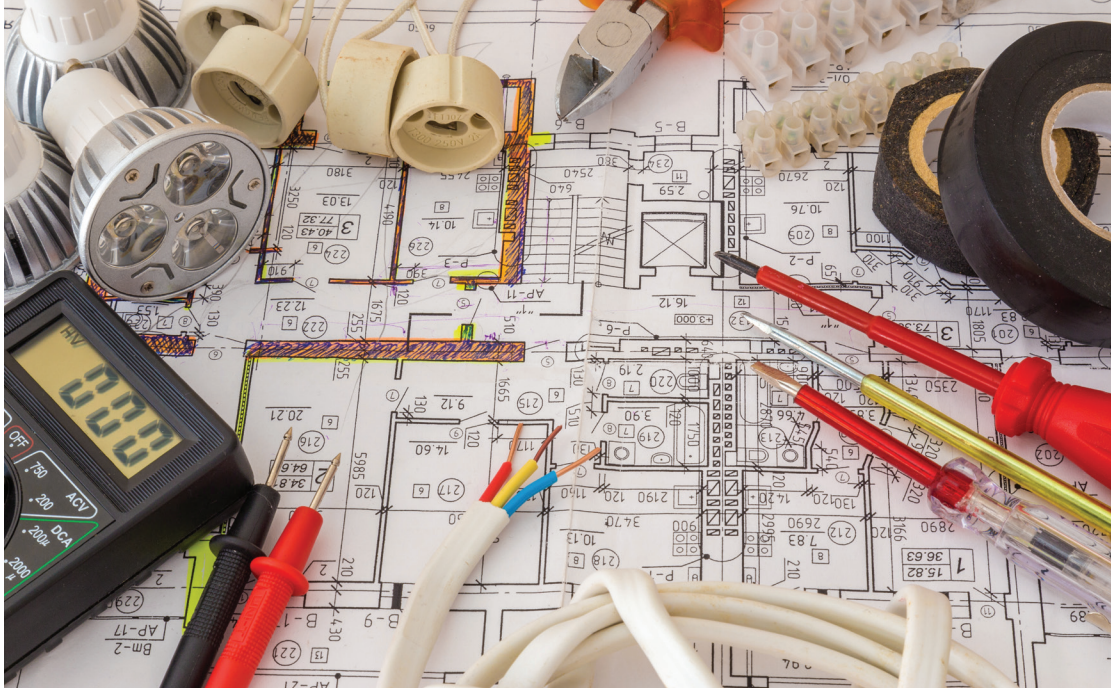
### WCON 100: CONSTRUCTION ESSENTIALS

This course provides the fundamental skills required in the Construction Trades. Topics include: basic construction, construction safety, practical math as applied to the construction trades, introduction to blueprint reading, basic rigging and introduction to hand and power tools.

JAN 18 - MAY 12, 2022 T & TH 5:30PM - 8:30PM

LOCATION: 321 STATE ST, ROCHESTER NY, 14608, 5TH FLOOR ROOM: 558

COST: \$975 INSTRUCTOR: MARCUS PARKER



## Geometric Dimensioning & Tolerancing

### WBUS 213: GEOMETRIC DIMENSIONING AND TOLERANCING

As our standard course serving multiple manufacturing and other businesses over the years, this course teaches the terms, rules, symbols, and concepts of GD&T, providing you have a basic understanding of mechanical drawings. This course offers an in-depth explanation of the geometric tolerancing symbols, tolerance zones, applicable modifiers, drawing examples and interpretations. This class includes a comparison of GD&T to traditional methods and highlights the advantages of geometric tolerancing. Datums and their applicable coordinate systems will be discussed. Illustrations of inspection methods for the geometric tolerances are also presented.

FEB 14, 15, 16, 17, 2022 M - TH 8:00AM - 12:00PM

LOCATION: 321 STATE ST, 7TH FLOOR, CLASSROOM 706, ROCHESTER NY 14608

COST \$299 INSTRUCTOR: STEVE CRUMP

### WBUS 214: GEOMETRIC DIMENSIONING AND TOLERANCING - INTERMEDIATE

The intermediate GD&T class offers a brief review of the concepts established in the basic class followed by a wider range of datum topics including degrees of freedom, mating envelopes and datum feature shift.

The main focus of the class is on positional tolerance. Single and multiple frame applications of position will be presented using animated illustrations applied to single features and patterns of features.

Computational and graphical methods for positional tolerance verification are discussed.

Functional gage design for the inspection of single features and patterns using virtual condition calculations concludes the course.

MARCH 11 - 18, 2022 FRIDAYS 1:00PM - 5:00PM

LOCATION: 321 STATE ST, 7TH FLOOR, CLASSROOM 706, ROCHESTER, NY 14608

COST: \$159 INSTRUCTOR: STEVE CRUMP



# FWD»CENTER

## FINGER LAKES WORKFORCE DEVELOPMENT CENTER

## Class Location:

FWD Center  
321 State St, 5th Floor  
Rochester, NY 14608

To learn more about the FWD Center visit [www.FWD-Center.com](http://www.FWD-Center.com).



## Registration Deadline: Dec. 20, 2021:

- Mail-in Registration Form included in this schedule.
- Register online at: [workforceforward.com/SkilledTrades](http://workforceforward.com/SkilledTrades)
- By phone: 585.685.6004

**Questions?** Please contact John Troy at 585.685.6172 or [jtroy@monroecc.edu](mailto:jtroy@monroecc.edu) for more information.

### Skilled Trades courses will be offered in-person.

Monroe Community College is following the New York State-mandated directive for all students attending in-person classes on campus, to submit proof of a COVID-19 Vaccination via email at: [corporatecollege@monroecc.edu](mailto:corporatecollege@monroecc.edu). Masks are required on campus regardless of vaccination status.

**NOTE:** Students who are not vaccinated will not be allowed to participate in these courses and **WILL NOT RECIEVE A REFUND.**