

The purpose of this program is to provide FlexTrades' technicians with training opportunities that increase their skills and enhance their contributions to the organization. A technician's work performance and skills are vital to the success of our organization. Providing training reimbursement opportunities to our technicians is an investment in their careers and the organization's future.



FLEXTRADES

POWERED BY PMG

Training Reimbursement Program

Contents

- About..... 2
- Qualifications 3
- FAQ's 3
- Course List..... 4
 - AutoCAD..... 4
 - Blueprint 4
 - CWI..... 5
 - Electrical..... 6
 - Forklift 7
 - GD&T 7
 - Maintenance..... 8
 - MasterCAM 8
 - NCCCO..... 9
 - OSHA 10
 - PLCs 10
 - Programming 12
 - Welding 14

About

The FlexTrades Training Reimbursement Program encourages and supports technicians to continue their education, stay at the forefront of their craft and add additional skills to their existing portfolio. We provide training reimbursement of up to \$2,000 for approved courses relevant to your position. A sampling of courses can be found in this catalog.

Training reimbursement benefits are provided to a technician based on information requested in the Training Reimbursement Application. FlexTrades will request documentation proof of training completion and payment. Applications and documents can be sent to TRP@flextrades.com for review and approval. Applications must be submitted within 30 days of training completion in order to be eligible for reimbursement. Training reimbursement will be disbursed at \$250 per week over the first eight weeks of a FlexTrades project after training is completed and application is approved.



Qualifications

- Technician must be eligible to deploy with FlexTrades and/or deployed with FlexTrades and in good standing.
- Technician is eligible to apply for reimbursement after completing the first two-weeks of an active FlexTrades Assignment.
- Applications must be submitted within 30 days of training completion in order to be eligible for reimbursement.
- Training must be completed at an accredited institution or private or public training institution.

Training must fall under one of the following categories:

Blueprint	Machinist
CAD Drafting	Maintenance Technician
CWI	Mastercam
Electrical Wiring/Components	NCCCO
Engineering	PLC
Esprit	Programming
Forklift	Robotics & Technology
GD&T	Welding
Safety	

FAQ's

Q: How many training reimbursements can I get?

A: Technicians are limited to 2 reimbursements per year.

Q: Is there a deadline for submitting my reimbursement?

A: Yes. Applications must be submitted within 30 days of training completion in order to be eligible for reimbursement.

Q: What if my program doesn't fall under the categories?

A: Contact your recruiter to review the program.

Q: Is the reimbursement taxed?

A: No.

Course List

AutoCAD

Coming soon!

Blueprint

[Basic Blueprint Reading](#)

Length: 2 8-hour days (Saturday classes)

Format: In Person

Location: East Dundee, IL

Cost: \$630

Our Basic Blueprint Reading class for manufacturing is an entry-level course that teaches students how to interpret shop blueprints and comprehend the information needed to fabricate parts and perform assembly operations. This course will provide students with a basic introduction to understanding and interpreting basic manufacturing blueprints. We begin with the proper way to read manufacturing drawings and build comprehensive knowledge that students can apply to their work.

[Manufacturing Blueprint Reading](#)

Format: In Person

Location: St. Paul, MN

Cost: \$199

This course is a comprehensive guide to interpreting drawings commonly found in manufacturing. This course will help you gain the need to know information for blueprint reading in machine trades. Completing this course will enhance the participant's ability to gain employment in a manufacturing/machining area and/or increase your chances of advancement in related areas.

[Blueprint Reading for Welders Basic Lines, Views and Symbols](#)

Format: Online

Cost: \$15

Learn how to read blueprints and understand the basic lines and views and welding symbols associated with drawings.

[Blueprint Reading for Welders](#)

Format: Online

Cost: \$85

Covers basic shop math and measurement skills. This online welding course explains how to read, use, and make blueprints. Discusses types of welds, weld joints, and weld symbols. Explains advanced shop math and measurement skills.

[Blueprint Reading](#)

Length: 6-10 hours

Format: Online

Cost: \$297

The six programs in our online blueprint reading training course develop workers' abilities to accurately locate and interpret dimensions on engineering drawings. These training programs are based on ANSI standards and incorporate input from a broad industrial cross-section.

The primary audience is production and inspection personnel, supervisors, group leaders, set-up personnel, and anyone who wishes to read engineering drawings.

CWI

Note: Courses do not include exam. As of 2020, the CWI exam costs \$1070 for AWS members and \$1325 for non-members. Once you've been certified, however, your CWI certification is valid for 3 years.

[Complete CWI Exam Prep Course](#)

Length: 6 days

Format: In Person

Location: Baxter, MN

Cost: \$1,200

[CWI Full Training](#)

Length: 80 hours

Format: Online

Cost: \$1,197

[Atlas CWI Training Course](#)

Length: 60 hours

Format: Online

Cost: \$799

[Certified Welding Inspector \(CWI\) Prep Course](#)

Length: 8 days

Format: In Person

Location: Burton, TX

Cost: \$1,795

[CWI EXAM PREPARATION COURSE](#)

Length: 2 days

Format: In Person

Location: Lake Elsinore, CA

Cost: \$1,750

Electrical

[Motor Controls-Electrical](#)

Length: 12 classes - Tuesday / Thursday evenings

Format: In Person

Location: Cedar Rapids, IA

Cost: \$855

This course introduces the student to electrical motor control devices and circuits used in industry. Electrical symbols and diagrams, contactors and motor starters, control devices, timers, relays, sensors, and variable speed drives are studied. Hands-on exercises reinforce the concepts of motor control circuit operation and troubleshooting. Textbook required.

Forklift

Forklift Training and Safety

Length: 2 classes - Tuesday / Thursday evenings

Format: In Person

Location: St. Paul, MN

Cost: \$145

This 8-hour course is strictly behind-the-wheel training. In this program, you will learn to recognize and respect the potential hazards and skills needed to safely operate a forklift. Students will learn about the OSHA standard (OSHA 29CFR 1910.178) that applies to Powered Industrial Trucks and the hazards present in the work environment. Proper driving techniques, correct balance for loads, center of gravity, load placement, safe fueling/recharging and completing an inspection checklist will also be covered. Saint Paul College trains on both Gas and Electric Forklifts.

GD&T

FUNDAMENTALS OF GD&T (VIRTUAL CLASSROOM)

Length: 3 days - 8 hours per day

Format: Online

Cost: \$1,200

This course is an introduction to the ASME Y14.5 standard presented as a live, remote course using Zoom software. Internet access and computer (recommended) or tablet required.

Sessions will start at 10 a.m. Eastern Time and run until 6:30 p.m. with breaks for lunch at least.

Zoom meeting information provided upon purchase. You must register for the meeting before the first day of class. A downloadable text will be provided during the first session of the class.

ADVANCED GD&T (VIRTUAL CLASSROOM)

Length: 3 days - 8 hours per day

Format: Online

Cost: \$1,200

This three-day GD&T course is a comprehensive GD&T course focused on practical application. This is a live, remote course using Zoom software. Internet access and computer (recommended) or tablet required.

Sessions will start at 10 a.m. Eastern Time and run to 6:30 p.m. Eastern with breaks for lunch at least.

Zoom meeting information provided upon purchase. You must register for the meeting before the first day of class. A downloadable text will be provided during the first session of the class.

[Geometric Dimensioning & Tolerancing](#)

Length: 3 days - 8 hours per day

Format: Online

Cost: \$1,390

Detail critical information on the basics of GD&T. From there, dive into the more difficult principles through lectures, realistic examples, discussions and application problems. Understand how to interpret and apply ASME Y14.5M-2018.

[Advanced Concepts of GD&T Foundational Level](#)

Length: 2 days - 8 hours per day

Format: In Person

Location: Troy, Michigan

Cost: \$1,415

This two-day foundational-level course teaches Advanced Concepts of GD&T as prescribed in the ASME Y14.5-2009 Standard. It offers an explanation of complex GD&T topics, such as the expanded use of composite position and profile tolerances, customized datum reference frames, the translation modifier, and applying GD&T to non-rigid parts.

You'll learn about functional dimensioning, form controls, the datum system, additional and complex datum feature types, expanded datum target concepts and usage on restrained parts, simultaneous, and separate requirements

Maintenance

Coming soon!

MasterCAM

[Mastercam](#)

Length: 13 sessions - Monday / Wednesday evenings

Format: In Person

Location: Brentwood, New York

Cost: \$495

Students will learn computer-aided software most commonly used by machine technology professionals. This course will cover creating 2D drawings and part programming using Mastercam to create CNC code for Machining Centers. For more information, 631-851-6200.

[Advanced Mastercam](#)

Length: 13 sessions - Monday / Wednesday evenings

Format: In Person

Location: Brentwood, New York

Cost: \$495

This Course will cover 3D Solids creation from 2D wireframe geometry, 2D High Speed Dynamic toolpaths and its uses, Basic plane creation and manipulation.

This is an advanced Mastercam course for students who already have taken Mastercam (MEC136) or who have previous Mastercam Experience.

[MasterCAM Training](#)

Length: 800 hours - Monday - Friday all day

Format: In Person

Location: Pomona, California

Cost: \$3,500

MasterCAM Training is designed to prepare students for employment in today's hi-tech CNC Programming Machining Industry by developing skills on MasterCAM software and a variety of machine tools such as the CNC lathe and CNC mill. Progressing to advanced levels of CNC Machining, training will prepare students for today's high demand in CNC programming jobs.

NCCCO

[NCCCO Mobile Crane Operator Certification Course](#)

Length: 2.5 sessions

Format: In Person

Location: Pearland, Texas

Cost: \$1,599

[NCCCO Mobile Crane Operator Certification](#)

Length: 3 sessions

Format: In Person

Location: Salt Lake City, Utah

Cost: \$1,175

[Mobile Crane NCCCO Certified Operator](#)

Length: 5 sessions

Format: In Person

Location: Tampa, Florida

Cost: \$2,195

[Mobile Crane Operator Certification](#)

Length: 4 sessions

Format: In Person

Location: Meadville, Pennsylvania

Cost: \$1,850

[Crane Operator New Certification](#)

Length: 3 sessions

Format: In Person

Location: Hutchinson, Minnesota

Cost: \$1,100

OSHA

Coming soon!

PLCs

[Programmable Logic Controllers \(PLC\)](#)

Length: 12 sessions - Tuesday / Thursday evenings

Format: In Person

Location: Cedar Rapids, Iowa

Cost: \$855

This course introduces the student to programmable logic controller (PLC) terminology, hardware, operation, and ladder logic programming. Hands-on programming includes relay logic, timers, counters, sequencers, and data transfer instructions. Networking, process control, and troubleshooting techniques will be covered. Textbook required.

PLCs for Non-Programmers Seminar

Length: 2 sessions

Format: In Person or Virtual

Location: Sacramento, California / Las Vegas, Nevada / Buffalo, New York / Philadelphia, Pennsylvania / Seattle, Washington

Cost: \$1,195

Available in both virtual and in-person, instructor-led formats, this introductory PLCs for Non-Programmers course uses hands-on demonstrations to convert the seemingly complex world of automation and Programmable Logic Controllers (PLCs) into practical lessons the average non-programmer can understand. Students will learn to speak the PLC language, read and interpret PLC ladder logic, troubleshoot PLC systems and components, and fix the most common PLC problems on their own.

This course focuses on understanding PLCs; how they work, terminology, and the hardware and software elements that make up a programmable logic controller. Students will learn a systematic approach to troubleshooting; how to set-up and configure local, remote, hierarchical and distributive control systems; how to configure Input/output modules using various slot addressing techniques; how to understand program and data table file organization, number systems and processor information flow; and how basic relay type instructions, timers and counters, & data manipulation instructions can be used to achieve PLC solutions.

PLC Programming & Applications Training Seminar

Length: 2 sessions

Format: In Person or Virtual

Location: Sacramento, California / Columbus, Ohio / Seattle, Washington

Cost: \$1,195

Available in both virtual and in-person, instructor-led formats, this two-day “Hands-On” PLC Programming & Applications course provides a greater depth of PLC knowledge for those who have already taken TPC Training’s introductory course, “PLCs for Non-Programmers,” or have some background and experience working with PLCs. It is designed to help maintenance technicians, electricians and others modify and write common PLC programs on their own. It will provide students the comfort and confidence they need to edit or create new PLC solutions for their specific work applications. It will make vendor-specific PLC programming manuals understandable. Students’ specific needs and concerns are also addressed during the class, so that they can go back to their workplace and immediately apply what they’ve learned.

PLC Programming Workshop Seminar

Length: 4 sessions

Format: In Person or Virtual

Location: Sacramento, California / Columbus, Ohio / Seattle, Washington

Cost: \$2,390

Available in both virtual and in-person, instructor-led formats, this PLC Programming Workshop: From Introduction to Application combines our introductory PLC course with our programming and applications course to provide the student a complete PLC education from a basic introduction on how PLCs work to providing them the knowledge, confidence and ability to modify or create their own PLC programs.

The training in this class is practical and geared to cover most of the PLC situations students will run across in the field. The training presented is not manufacturer specific but uses LogixPro 500 simulators so that students can explore the variety of PLC software platforms that they will encounter in their jobs.

Programming

[Machining Center Programming, Setup and Operation](#)

Length: 30 hours

Format: Online

Cost: \$750

This online course will help you master what it takes to program, setup, and run a CNC machining center with a FANUC CNC. We begin with the basics - assuming you have no previous CNC experience. However, we do assume you understand basic machining practices for a milling machine. You should understand basic milling and hole-machining operations. You should also know the various cutting tools used for milling operations. Each lesson builds upon prior material, so by the time you have finished the multiple practice exercises, you will know what it takes to program and run a CNC machining center.

[G-Code Programming- CNC Mill](#)

Length: 4 sessions - Saturday all day

Format: In Person

Location: Brentwood, New York

Cost: \$495

G-code Programming students will learn to use language to operate CNC Mill machinery. HAAS simulators will be utilized to learn and perform the programming tasks. Basic shop math knowledge required.

[CNC PROGRAMMING - LATHE 1](#)

Length: 5 sessions - Saturday all day

Format: In Person

Location: Arlington, Texas

Cost: \$650

This course is designed for current CNC machine operators to possess the ability to progress in their career. This course will enable successful candidates the ability to safely produce basic CNC programs for a 2 axis CNC turning center. The participant will possess the knowledge to understand, comprehend, and create a simple CNC program. Fanuc style programming will be the emphasis in this course.

CNC PROGRAMMING - LATHE 2

Length: 5 sessions - Saturday all day

Format: In Person

Location: Arlington, Texas

Cost: \$650

This course is a continuation of CNC programming Lathe level I. Successful candidates will have the ability to safely produce CNC programs for a 2 axis CNC lathe. The participant will possess the knowledge to understand, comprehend, and create a CNC program that encompasses facing, drilling, grooving, threading and turning using tool nose radius compensation. Old and new style Fanuc programming will be the emphasis in this course.

CNC PROGRAMMING - MILL 1

Length: 5 sessions - Saturday all day

Format: In Person

Location: Arlington, Texas

Cost: \$650

This course is designed for current CNC machine operators to possess the ability to progress in their career. This course will enable successful candidates the ability to safely produce basic CNC programs for a 3 axis CNC machining center. The participant will possess the knowledge to understand, comprehend, and create a simple CNC program. Topics covered will involve machine axis, coordinate system, program structure, program format, preparatory commands, miscellaneous functions, modal and non-modal commands, safety blocks, tool calls, calculating RPM and surface speed for tools, and various drilling canned cycles. Fanuc style programming will be the emphasis in this course.

CNC PROGRAMMING - MILL 2

Length: 5 sessions - Saturday all day

Format: In Person

Location: Arlington, Texas

Cost: \$650

This course is a continuation of CNC programming Mill level I. Successful candidates will have the ability to safely produce CNC programs for 3 and 4 axis CNC machining centers. The participant will possess the knowledge to understand, comprehend, and create a CNC program that encompasses drilling, tapping, contouring, pocketing, thread milling, scaling, rotating, mirror image, cutter diameter compensation, and rotary axis commands. Fanuc style programming will be the emphasis in this course.

Welding

[Introduction to TIG \(GTAW\)](#)

Length: 4 sessions - Thursday evenings

Format: In Person

Location: St. Paul, Minnesota

Cost: \$325

Learn the fundamentals of TIG (GTAW) Welding carbon steel, one of the cleanest, most precise forms of welding.

[Welding Workshops](#)

Length: 6 sessions - Saturdays

Format: In Person

Location: El Dorado, Kansas

Cost: \$625

Learn the skills and safety practices to perform various types of welding on carbon steel.

Learn 1, 2 or all 3 processes!

- Gas metal arc (GMAW)
- Gas tungsten arc (GTAW)
- Shielded metal arc (SMAW)