



# ADVANCED AUTOMATION TECHNOLOGY & ROBOTICS TRAINING PROGRAM

Canada 

EMPLOYMENT  
ONTARIO

Ontario 



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# INTRODUCTION

At Asamaka Industries Ltd, we are a professional engineering company dedicated to setting and elevating the standards of excellence in Electrical Design and Controls Automation.

Our team, comprising highly skilled and experienced professionals, possesses a rich knowledge base of technical expertise and problem-solving abilities, catering to projects of all sizes. We maintain a relentless pursuit of the latest ideas, innovations, products, and services, ensuring our team receives top-notch training to consistently deliver optimal results.



# ABOUT THE PROGRAM

## Asamaka Industries Ltd. launches Advanced Automation Technology & Robotics Training Program - Now Seeking Participants

**Asamaka Industries Ltd.** is proud to launch the **Advanced Automation Technology & Robotics Training Program**—a groundbreaking initiative aimed at closing the critical skills gap in Ontario's technical workforce.

This innovative training program, developed and delivered by the training division of Asamaka Industries, is designed to provide in-depth, hands-on education in robotics, industrial automation, and advanced manufacturing technologies. The program prioritizes accessibility for individuals from underserved and underrepresented communities, including African, Caribbean, and Indigenous populations, offering them a pathway into high-demand careers in sectors such as **Automotive, Food and Beverage, Life Sciences, Waste Management, and Industrial Manufacturing.**

Participants will gain practical, real-world experience using industry-standard equipment, guided by licensed professionals. Training will also include outreach, mentorship, and career readiness components—ensuring individuals are not only trained but supported throughout their transition into the workforce.

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# OUR VISION

To create equal opportunities for individuals to innovate, automate and improve processes in various industries all over the world.



# OUR MISSION

To empower both skilled and unskilled individuals with the right knowledge and resources necessary to innovate, automate and improve processes in industrial automation.



# Why Choose Us, What we Offer

## 01

### **On-Demand Programs**

We offer on-demand Programs designed to enhance skills and effectively boost career growth.

## 02

### **Internship & Employment Opportunities**

We provide internship and employment opportunities post program completion

## 03

### **Hands-On Experience**

Through practical projects and real world simulations, students gain invaluable hands-on experience, preparing them for success in their careers.

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# Values & Opportunities For Participants

- **Hands-on Training**

Direct experience with cutting-edge automation and robotics technologies used in modern industries.

- **Industry Alignment**

Curriculum developed in collaboration with industry partners to meet current and emerging workforce demands.

- **Mentorship & Support**

Access to professional mentorship and career guidance to support long-term success.

- **Career Advancement**

Tailored training for high-skill, high-wage technical roles, opening doors to stable and rewarding careers.

- **Inclusive Access**

Prioritization of individuals from marginalized communities, supporting equity and representation in the skilled trades.

- **Workforce Readiness**

Graduates will be equipped with the technical and practical competencies needed to seamlessly enter Ontario's growing industries.

This Employment Ontario program is funded in part by the Government of Canada and the Government of Ontario. It represents a bold step toward economic empowerment, community upliftment, and technological advancement. By investing in the development of technical skills within diverse populations, Asamaka Industries Ltd is committed to building a more inclusive, future-ready workforce, strengthening the economy and setting a new standard for training excellence.



# OUR AVAILABLE **PROGRAMS**

## **OPTION A**

PLC & HMI Programmer Training

## **OPTION B**

Robot Programmer Training

## **OPTION C**

Electrical Design Training

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# PLC & HMI PROGRAMMER TRAINING

OPTION

A

12 WEEKS

\$700

## PROGRAM OVERVIEW

PLC (Programmable Logic Controller) programming involves learning how to develop control systems for industrial machines and processes. The program starts with the basics of ladder logic, digital and analog I/O, and gradually advances into real-world industrial automation, HMI integration, and troubleshooting.

**Beginner Level:** Introduction to PLCs, basic logic gates, ladder diagrams, digital I/O.

**Intermediate Level:** Timers, counters, analog signals, data handling, simulation tools.

**Advanced Level:** PID control, SCADA integration, advanced troubleshooting, communication protocols (Modbus, Profibus, Ethernet/IP).

## PROGRAM HIGHLIGHTS

Hands-on training with real or simulated PLC hardware (Siemens, Allen-Bradley, etc.).

Industry-based projects to simulate real automation problems.

Focus on troubleshooting and maintenance skills.

Integration with HMI/SCADA systems for visualization and control.



# PLC & HMI PROGRAMMER TRAINING

OPTION

A

12 WEEKS

\$700

## CAREER OPPORTUNITIES

Automation Engineer

PLC Programmer

Control System Technician

Maintenance Engineer

Industrial Electrician

SCADA Operator

## COURSE OUTLINE

- Allen Bradley PLC (Rslogix 500 & 5000, Studio 5000)
- Allen Bradley HMI (FactoryTalk View Studio)
- Siemens PLC (TIA Portal, Step 7)
- Siemens HMI (WinCC)
- Beckhoff PLC (TwinCAT 3 PLC HMI)
- Beckhoff HMI (TwinCAT 3 PLC HMI)
- Omron PLC (CX-One and Sysmac Studio)
- Omron HMI (CX-One and Sysmac Studio)
- Mitsubishi PLC (GX-WORKS2-C10)
- Mitsubishi HMI (MELSOFT GT Works3)

**CERTIFICATION INCLUDED**



OPTION

B

## ROBOT PROGRAMMER TRAINING

\$700

12 WEEKS

### PROGRAM OVERVIEW

Robot programming involves learning how to control, program, and troubleshoot industrial robots used in manufacturing and automation. The course ranges from basic movement commands to complex path programming and integration with sensors and PLCs.

**Beginner Level:** Basic robot operations, coordinate systems, teach pendant usage.

**Intermediate Level:** Programming movement, I/O control, robot cycles.

**Advanced Level:** Vision system integration, offline programming, multi-robot systems, PLC-robot communication.

### PROGRAM HIGHLIGHTS

Work with major robot brands like FANUC, ABB, KUKA, or UR.

Real-time simulations and practical labs.

Exposure to robotic safety standards and work-cell integration.

Training in both online (on teach pendant) and offline (software) programming.



**OPTION**

**B**

## **ROBOT PROGRAMMER TRAINING**

**\$700**

**12 WEEKS**

### **CAREER OPPORTUNITIES**

Robotics Programmer

Automation Technician

Robot Maintenance Specialist

Mechatronics Engineer

Field Service Engineer

Robotic Systems Integrator

### **COURSE OUTLINE**

- Fanuc Robots (ROBOGUIDE (R) PaintPRO)
- ABB Robots (RobotStudio)
- Kuka Robots (KUKA.Sim)
- Universal Robots (RoboDK)

### **CERTIFICATION INCLUDED**



# ELECTRICAL DESIGN TRAINING

OPTION

C

12 WEEKS

\$700

## PROGRAM OVERVIEW

Electrical design involves planning and creating electrical systems used in buildings, machines, and automation. The course covers everything from basic electrical principles to advanced CAD design and circuit protection.

**Beginner Level:** Electrical symbols, circuit theory, wiring basics, single-line diagrams.

**Intermediate Level:** Panel design, electrical safety, component selection, load calculations.

**Advanced Level:** Software tools (AutoCAD Electrical, EPLAN), system integration, PLC panel design, compliance with international standards.

## PROGRAM HIGHLIGHTS

Project-based learning using real electrical design scenarios.

Training in electrical CAD tools for drafting and simulation.

Emphasis on safety standards (IEC, NEC, IEEE).

Hands-on experience with electrical panels and industrial equipment.



# ELECTRICAL DESIGN TRAINING

OPTION

C

12 WEEKS

\$700

## CAREER OPPORTUNITIES

Electrical Design Engineer

Panel Design Technician

Automation System Designer

Electrical Project Engineer

Building Services Engineer

Industrial Electrician

## COURSE OUTLINE

- AutoCad Electrical
- Eplan

## CERTIFICATION INCLUDED



# REGISTRATION

## 3 STEP REGISTRATION PROCESS

1. Complete participant registration form
2. Application Review and Approval
3. Application Payment

**TRAINING DURATION: 12 WEEKS/COHORT**

**PROGRAM COST: \$700**

## COHORT DATES

### COHORT 1:

**Start Date: 07-07-2025**

**End Date: 07-10-2025**

**Registration Opens: May 1st**

### COHORT 2:

**Start Date: 27-10-2025**

**End Date: 30-01-2026**

**Registration Opens: Aug 4th**





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