



Build Knowledge and Expertise with



March 2024



PUBLIC

Workforce enablement

ADDRESSING THE CHALLENGES OF THE SKILLS GAP



Reduce

unplanned downtime risk

Apply the knowledge you've gained

Leverage virtual support tools, learning resources and modern training tools

Quick, easy access to support



Improve

operational productivity

Reduced mean-time-to-repair

Interactive tools help you manage your teams' skill sets and output



Decrease

overall training costs

On-demand support resources and interactive tools

Access via augmented and virtual reality

Reduced troubleshooting time

Build and maintain the right workforce to meet your unique needs

Transforming your workforce requires a multi-faceted strategy

Train

- E-learning courses
- Instructor-led courses
- Consulting assessments

Support

- Technical remote support
- On-site support with field engineers
- Remote monitoring & managed services
- Virtual assistance

Augment

- Train highly skilled veterans for automation roles in manufacturing
- Augmented Reality work instructions
- Embedded engineers

Rockwell Automation has the expertise to develop a strategy that will equip your workforce with the right skills, knowledge, and tools for smart manufacturing

What

Supplement

Technical Workforce



2.7M

Baby boomers will retire

BY 2025



2M

Jobs are expected to go unfilled

Source: Analysis based on data from U.S. Bureau of Labor Statistics and Gallup survey.

Why

WHAT IS THE SKILLS GAP?

It's a shortage of skilled, trained people. It's the difference between what workers know how to do and what employers need.

HOW COULD IT AFFECT YOU AND YOUR COMPANY?

3.4 million manufacturing jobs are likely to be needed. But 2 million of those are expected to go unfilled, presenting a serious challenge.

Rockwell Automation Training Services

Learning solutions to help build the knowledge and expertise of your personnel



E-learning COURSES

Interactive learning with simulations and videos

Covers 9 technologies

Available on any tablet or PC using all major browsers

Learners earn certificates upon completion

virtual Classroom BLENDED COURSES

Hybrid, instructor-led courses

Blends e-learning, video assets, student materials, instructor lecture, interactive labs, collaborative Q&A

Scheduled to run to allow customers freedom to participate in the learning experience on demand

More Learning Enhancements and Tools

Genius Webinars live and on-demand

Knowledge assessments to baseline understanding on a technology

Optionality in what learning content best fits learners needs with a variety of subscription choices



INSTRUCTOR-LED COURSES

Open enrollment courses

Covers Rockwell Automation technologies

Designed to align with specific job functions & focus on relevant tasks

Private training tailored for your needs, delivered at your site

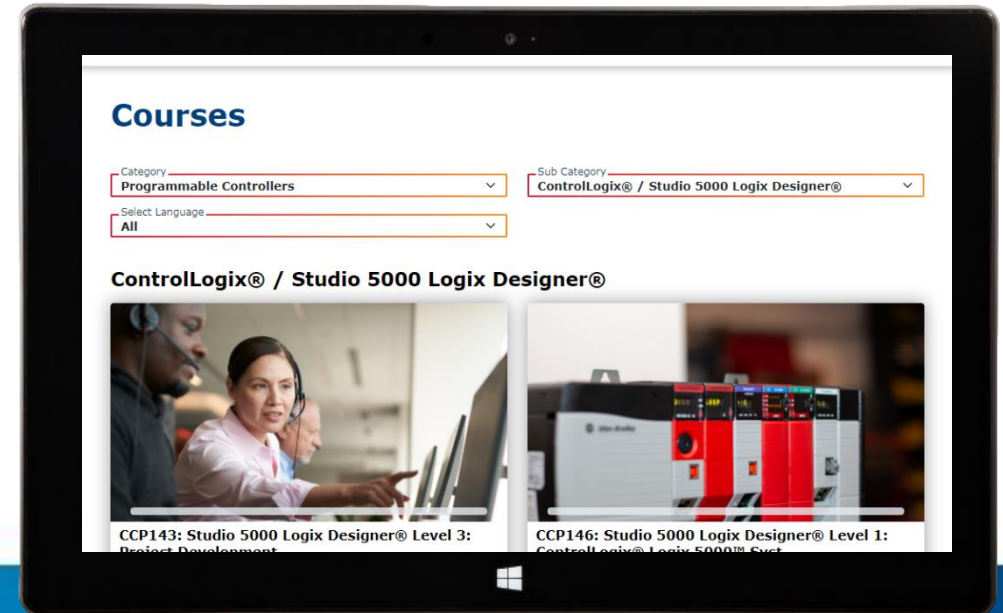


GLOBAL WORKFORCE SOLUTIONS

Workforce development with a program management approach

Consultative assessment of needs leading to a training plan that is designed to meet your needs

[Go to rok.auto/training for details](https://rok.auto/training)



Lower Training Costs

As a subscriber, you can access all e-learning content and participate in unlimited scheduled virtual classroom sessions with our annual subscriptions.

Take more than thirty of our most popular courses for about the same price as a single five-day in-person training class.

Reduce Unplanned Downtime Risk

A well-trained workforce is the greatest asset when it comes to keeping production running.

It has never been easier to access Rockwell Automation instructors and courses – upskill your team today.

Reduce Travel Expense

A Rockwell Automation Learning+ training subscription is available anytime, anywhere.

Learning+ provides the desired hybrid of self-paced study and interaction with our expert instructors to create the most powerful learning experience available.

Learning+ Features

MORE THAN 400 HOURS OF EDUCATIONAL CONTENT

A global library consisting of more than 40 self-paced automation courses across 9 technologies, 60+ craft skills self-paced courses across 8 knowledge areas, and hours of videos. Content availability is based on subscription type.

11 HYBRID VIRTUAL CLASSROOM SESSIONS

Modularized virtual lectures, lab experience demonstrations, simulations and demonstration videos, and available office hours for small group coaching to enhance learning concepts.

KNOWLEDGE ASSESSMENT TOOL

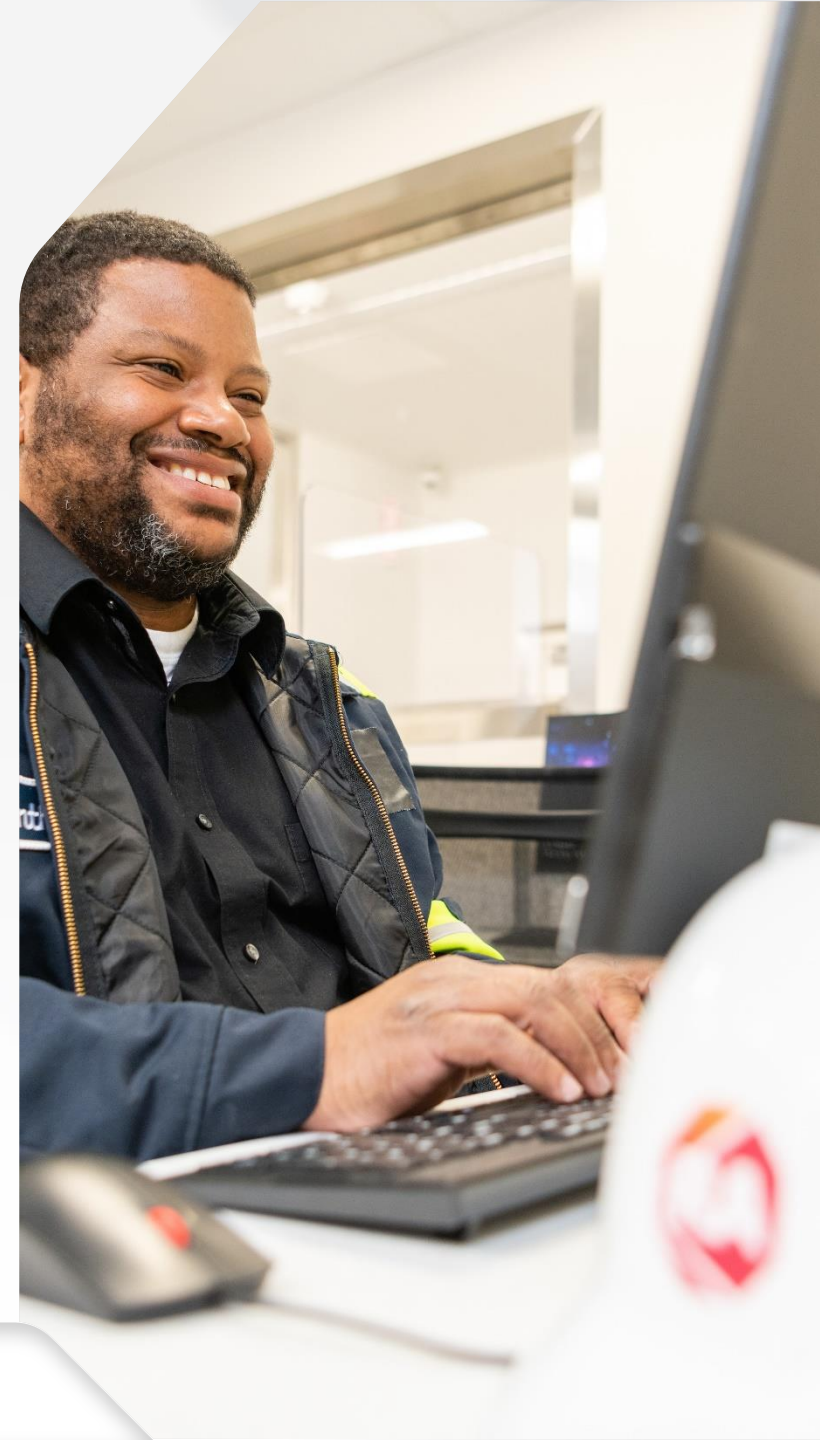
Learning+ subscribers will have access to knowledge assessments to baseline understanding of a technology. This can help support you in making data-driven decisions on which courses might be right for you.

MONTHLY GENIUS WEBINARS

Every month Learning+ subscribers will be invited to attend a live webinar delivered by a Rockwell Automation technical expert. Can't attend live? Don't worry, all sessions will be available on the platform for on-demand access!

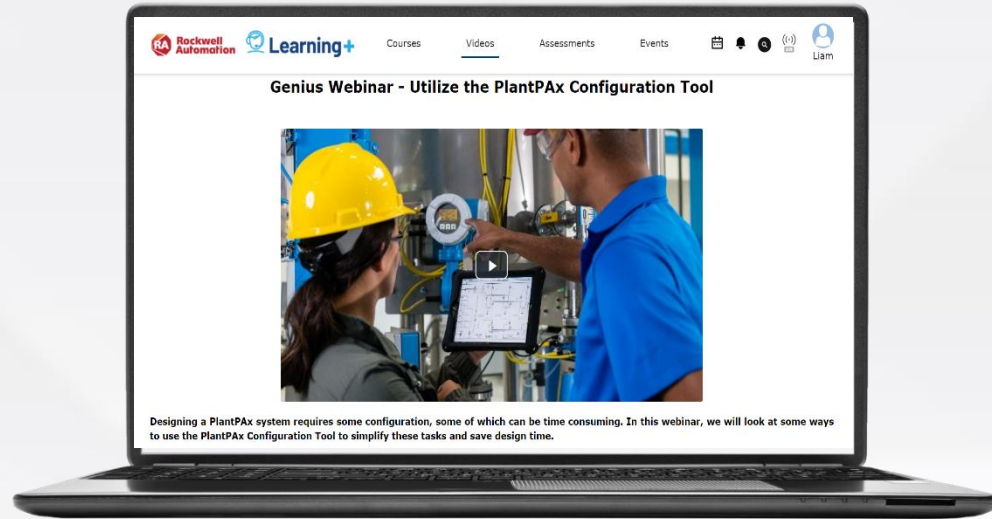
VALIDATED LEARNING

Lessons have a checkpoint, requiring 80% to pass. Upon passing all knowledge checks, a learner will be awarded a Rockwell Automation Certificate of Completion.



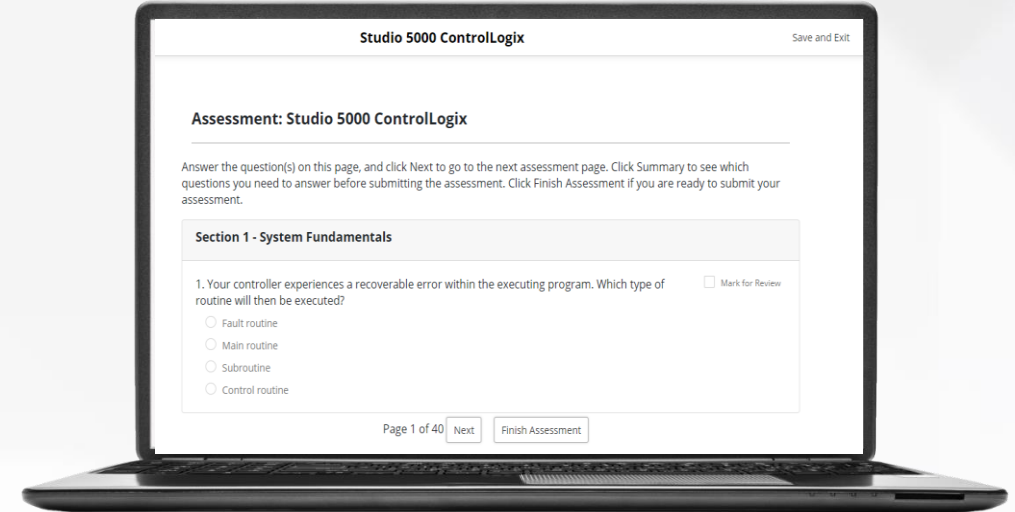
More Enhancements and Tools to Improve the Learning Journey

Additional content and tools to enrich the learning experience



MONTHLY GENIUS WEBINARS

- A different technical topic will be covered by a Rockwell Automation technical expert on a live webinar each month
- Those who join the live session can participate in live question-and-answer with the presenter, offering the opportunity for immediate confirmation and engagement on the topic
- All webinars are recorded and hosted in the Learning+ platform for learners to access on demand for the duration of their subscription



BASELINE KNOWLEDGE

- Learners can access 12 product/technology-related assessments to baseline their knowledge on the topic
- Using the results, learners can choose if they want to spend time taking specific courses
- This new feature will aid the learner in knowing how best to use their training time in the vast library of content

Administrative Dashboard

Reporting and administrative features for **multi-user** subscriptions

- A variety of reports showcasing learner usage and progress
 - Course Completion Report
 - Access Key Report
 - Flex Subscription Report
 - Survey Report
 - Virtual Instructor-led Led Training Report
 - Virtual Instructor-Led Training Enrollment Report
 - User Activity Report
 - Learning+ Usage Report
 - Assessment Report
- Customer supervisor administrators can add other administrators to share administrative privileges
- Use the Learning+ Administrator User Guide for a detailed walk-through of all features



Learning+ Craft Skills

NEW!

Foundational industrial skills critical to operating and maintaining production

- Over 140 hours of content on industrial craft skills:
 - Mechanical technician skills
 - Electrical technician skills
 - Maintenance and Shop Equipment
 - Math and Sciences
 - Instrumentation and Control
 - Operational Excellence
- Each course has learning objectives, self-paced instruction, and an assessment to test your understanding

• Example:

Mechanical Maintenance – Valve Maintenance Theory

After completing this lesson, the student should be able to identify:

- The meaning of the flow coefficient
- Valve construction materials and characteristics
- Major valve components
- Conditions affecting valve operation



Learning+ Craft Skills

500+ craft skills lessons with over 140 hours of content designed for electricians, mechanics, and I&C technicians. In addition, many topics may apply to operators who also have equipment maintenance responsibilities.

INSTRUMENTATION & CONTROLS

- Alternating Current (AC)
- Bailey Pneumatic Meters and Controls
- Continuous Emission Monitoring (CEM) Systems
- Control Instrumentation
- Digital Electronics
- Direct Current
- Electronic Circuits
- Field Devices
- Fire Protection Instrumentation
- Instrumentation Measurement Applications
- Microprocessors
- Process Control Instrumentation
- Semi-Conductors
- Soldering
- Tubing and Fittings

MECHANICAL

- Air Compressor Maintenance
- Bearing Maintenance and Lubrication
- Centrifugal Pump Maintenance
- Conveyor Belt Maintenance
- Coupling and Shaft Alignment
- Fluid Power (Hydraulics)
- Gaskets and O-rings
- Heat Exchangers
- Laser Aided Shaft Alignment
- Lubrication Maintenance and Oil Analysis
- Piping
- Positive Displacement Pump Maintenance
- Precision Measurement
- Valve Maintenance

ELECTRICAL

- Battery Chargers
- Electrical Codes and Standards
- Electrical Control Devices
- Freeze Protection
- Generators
- Limitorque Valves
- Locating Electrical System Grounds
- Low- and Medium-Voltage Circuit Breakers
- Motors
- Prints and Drawings
- Single- and Three-Phase Circuits
- Transformers
- Variable frequency drives
- Vibration Analysis

GENERAL CRAFT

- Band Saw
- Drill Press
- Hand Tools
- Lathes
- Grinders
- Vertical Milling Machine
- Welding
- Math & Sciences
- Operational Excellence
- Power Plant Systems
- Renewables

Learning+ Flex

NEW!

New flexible Learning+ option that puts you in control

- Purchased as a minimum of 25 users
- The number of users purchased is how many users can have active Learning+ access at a time
- All access is still via a single access key that unlocks the content
- Being an “active” user means that content is unlocked and consumable
- Customer administrator can deactivate users and free up that seat so it can be reallocated to another user
- All progress remains with the learner whether they have active access or not



Learning+ Flex Examples

Learning+ the way your teams need it!

Needs to upskill a set of employees

Purchases 30 Learning+ Flex users

- Shares all 30 seats on access key
- After 4 months, 15 people have taken the courses they need to upskill
- Unassign those 15 people and share the access key with 15 new people
- 2 months later, 10 more people complete the courses needed
- Unassign those 10 people and share access key with another 10 people

Maximizing investment. Total of 55 people trained.

Struggles with High Turnover

Purchases 25 Learning+ Flex users

- Shares all 25 seats on access key
- 1 month later 4 people leave
- Unassign the 4 people that left
- Over the next 2 months 4 new people are hired
- All 4 users are given the access key to Learning+ when onboarded

Flexibility allowing full value realization

Continual learning and development

Purchases 45 Learning+ users

- Shares all 45 seats on access key
- A new line is being added with new technology requiring reskilling of existing teams
- Unassign 10 people and assign the 10 open seats to the team supporting the new line
- Line is operational for several months, reassign the 10 seats back to the people you took them from to continue their learning

Meeting the evolving needs of production

Subscription Options for On-Demand, Flexible Employee Training Singapore

90-day Access

90-day access
for a single course
and access to Virtual
Instructor-Led Training
classes occurring during
access period.

LP-3
USD 1,198
LP3-TC
USD 775

Single User

365-day access
to automation content
and all virtual classroom
sessions for a single user.

LP-SU1
USD 4,452

Single User Enhanced

365-day access
to automation content
and all virtual classroom
sessions for a single user.
Includes Craft Skills.

LP-SU1-ENH
USD 4,808

Craft Skills

365-day access
to over 140 hours of craft
skills courses during
access period.

LP-CRAFT
USD 940.00

Educational

**For active educational
support program
customers, 365-day
access** to all learning
content and all virtual
classroom sessions. No
minimum quantity.

LP-EU
USD 176

**Includes
Administrative
Dashboard for
Multi-Users**

Multi-User

365-day access
to automation content and all
virtual classroom sessions.

LP-MUT1 (4-9 users)
USD 4,318

LP-MUT2 (10-24 users)
USD 4,007

LP-MUT3 (25+ users)
USD 3,561

Multi-User Enhanced

365-day access
to automation content and all
virtual classroom sessions.
Includes Craft Skills.

LP-MUT1-ENH (4-9 users)
USD 4,664

LP-MUT2-ENH (10-24 users)
USD 4,327

LP-MUT3-ENH (25+ users)
USD 3,846

Flex

365-day access
For a minimum of 25 users;
The number of purchased
users defines how many
concurrent learners can be
active at any one time,
allowing flexibility.

LP-FLEX
USD 7,725

Learning+ Courses

CONTROL

CCP146: Logix 5000® System Fundamentals (C,F,G,I,J,K,P,S,T) (V)

CCP151: Basic Ladder Logic Programming (C,F,G,P,PL,S) (V)

CCP152: Function Block Programming Course (F) (V)

CCP153: Studio 5000 Logix Designer® Level 2: ControlLogix® Maintenance and Troubleshooting (F,I) (V)

CCP154: Structured Text and Sequential Function Chart Programming (F)

CCCL21: Basic Ladder Logic Interpretation (C,F,G,I,P,S) (V)

CCP143: Ladder Logic Project Development (C,F,G,P,S,T) (V)

CMP100: Connected Components Workbench™ Programming

DRIVES

CCA182: PowerFlex® 750-Series Drives Configuration & Startup (C,F,G,P,S) (V)

CCA183: PowerFlex® 750 Series Maintenance & Troubleshooting

CCA184: PowerFlex® 750-Series Drives Configuration for an Integrated Architecture® System (C,F,G,P,S)

CCA185: PowerFlex® 525 Startup & Configuration (F) (V)

DRV100 – PowerFlex® Drives Fundamentals

DRV101 – TotalFORCE® Fundamentals for PowerFlex® 755TS, 755TR, 755TL, and 755TM Drives

DRV200 – PowerFlex® 755TS Configuration and Startup

MOTION

CCN132: Motion Control Fundamentals using Kinetix® 5700 Drives (C,F,G,P,S)

CCN144-A: CIP Motion Programming (Kinetix® 5700) (C,F,G,P,S)

CCN202: Kinetix® 5700 Troubleshoot & Project Interpretation

COMING SOON

ICT100: Getting Started with Independent Cart Technology

COMING SOON

ICT101: Level 1: Independent Cart Technology Portfolio

COMING SOON

ICT102: Level 1: iTRAK® Hardware

VISUALIZATION/HMI

CCV204-A: FactoryTalk® View ME and PanelView™ Plus Programming (C,F,G,P,S) (V)

CCV207: FactoryTalk® View SE Programming (C,F,G,P,S) (V)

VIS230: ThinManager® Configuration & Troubleshooting

VIS150: Configure and Deploy a Basic FactoryTalk® Optix™ Project

LEGACY PRODUCTS

CCPS41: SLC™ 500 and RSLogix 500® Programming

CCPS43: SLC™ 500 Maintenance and Troubleshooting

FTADTV: FactoryTalk® Analytics™ DataView

FTEG: FactoryTalk® Edge Gateway™

PROCESS CONTROL

EK-ICM101E: Vibration Analysis Fundamentals (P/M)

PRC201: PlantPAx® System Design & Implementation (P)

PRC203: PlantPAx® Operating & Maintenance (P/M)

IN PROGRESS

PRC111: FactoryTalk® Batch I: Batch Server and Configuration Tools

SOFTWARE

FTAC: FactoryTalk® AssetCentre Design and Implementation V10

ARE100: Arena® Simulation

INDUSTRIAL NETWORKING

CCP183: EtherNet/IP Configuration and Troubleshooting (C,F,G,P,S) (V)

Industrial Network Architecture:

- **INA201:** Foundation
- **INA202:** Intermediate
- **INA203:** Advanced Part 1
- **INA204:** Advanced Part 2

CCP184: Network Fundamentals for Control Systems

CYB101: Cybersecurity Fundamentals for OT Env

CYB103: Interpret CIP Security in the Industrial Automation Space

SAFETY

SAF-LOG104: GuardLogix® Application Development & Troubleshooting (F) (V)

Start your workforce transformation

Rockwell Automation **has the expertise** to develop **a strategy** that will **equip your workforce** with the right skills, knowledge, and tools for **smart manufacturing**.

DISCOVER

Discuss your workforce challenges and needs with us.

ASSESS

Evaluate current hiring practices, training, company culture, processes & tools.

DEVELOP A COMPLETE WORKFORCE PLAN

Build a holistic strategy to solve your challenges including training and augmented support

Do you have your workforce strategy in place?



expanding **human possibility**[®]



www.rockwellautomation.com