# TRAINING SCHEDULE • 2020 September – 2021 August

**Rockwell Automation**

Note: Dates coloured in RED are guaranteed-to-run sessions

## Training Curriculum

| Pre-Requisite (Suggested / Mandatory) | E-Learning Option Available | Course Description | Course Code | Dura-tion | AUD/NZD Price Per Person (excl. gst) | VICTORIA Melbourne | NEW SOUTH WALES Sydney | Newcastle | Wollongong | Albury | Bathurst | QUEENSLAND Brisbane | Mt Isa | Mackay | Townsville | TASMANIA Launceston | SOUTH AUST. Adelaide | WEST AUST. Perth | NEW ZEALAND Auckland | Christchurch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Programmable Logic Controller** | | | | | | | | | | | | | | | | | | | | |
| | CCP146-EL | Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting (1756-L6* / 1756-L7*) | CCP299 | 4 | $2,870 | 8 Dec, 16 Mar, 8 Jun, 3 Aug | 15 Sep, 2 Feb, 8 Jun | 13 Apr | 8 Dec | 24 Nov, 3 Aug | 27 Apr | 24 Nov, 15 Jun | 27 Oct | 16 Feb | 20 Apr, 24 Aug | 01 Dec, 29 Jun | 29 Sep, 20 Apr, 27 Jul | 13 Oct, 25 May, 24 Aug | 6 Oct, 9 Feb, 22 Jun | 17 Nov, 13 Apr, 24 Aug |
| | CCP151-EL | Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming (1756-L6* / 1756-L7*) | CCP151 | 2 | $1,720 | 2 Mar | 6 Oct, 10 Aug | On Request | | | | 7 Oct, 4 May | | | | | On Request | | | |
| | | Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming | CCCL21 | 2 | $1,720 | On Request | | | | | | | | | | | | | | |
| Suggested any CLX course | CCP143-EL | Studio 5000 Logix Designer Level 3: Project Development (1756-L6* / 1756-L7*) | CCP143 | 4 | $2,870 | 24 Nov, 13 Jul | 27 Oct, 25 May | 2 Mar | 6 Jul | On Request | | 11 May, 3 Aug | 9 Feb | On Request | | | 13 Jul | 15 Dec, 18 May | 29 Sep, 8 Jun | On Request |
| | CCP152-EL / CCP154-EL | Studio 5000 Logix Designer Level 4: Function Block Programming, Structured Text, Sequential Function Chart Programming (1756-L6* / 1756-L7*) | CCP152 / CCP154 | 4 | $2,870 | 15 Dec | 1 Jun | On Request | | | | 13 Jul | | On Request | | | | | | |
| | | SLC 500 and RSLogix 500 Maintenance and Troubleshooting | CCPS43 | 4 | $2,870 | 1 Jun | On Request | | | | | 17 Nov | On Request | | | | | | 2 Mar | 27 Jul |
| Mandatory any CLX course | | Accelerated Logix5000 Maintainer Certificate Level 1 (1756-L8*) | CCP300 | 4 | $3,030 | 1 Feb | 15 Mar, 19 Apr | On Request | | | | 31 May, 9 Aug | On Request | | | | | | | |
| Mandatory any CLX course | | Accelerated Logix5000 Programmer Certificate Level 1 (1756-L8*) | CCP250 | 4 | $3,030 | 12 Apr | 15 Feb | On Request | | | | 22 Mar | On Request | | | | 21 Jun | 10 May | 14 Dec | 19 Jul |
| Mandatory any CLX course | | Studio 5000 Logix Designer Level 4: Programming RSLogix 5000 Motion Applications | CCN142 | 4 | $3,030 | 9 Dec | 20 Jul | On Request | | | | | | | | | | | | |
| Mandatory: CCP250 | | Advanced Logix5000 Programmer Certificate (1756-L8*) | CCP251 | 4 | $3,030 | 16 Feb, 6 Jul | 3 Nov | On Request | | | | 22 Feb | On Request | | | | 17 Nov | 9 Mar | 15 Mar | On Request |
| **Visualisation** | | | | | | | | | | | | | | | | | | | | |
| Suggested any CLX course | | FactoryTalk® View ME and PanelView™ Plus Maintenance & Troubleshooting | CCV209 | 2 | $1,720 | 4 Mar | 23 Mar | On Request | | | | 20 Jul | On Request | | | | | | | |
| Suggested any CLX course | CCV207-EL | FactoryTalk® View SE Programming | CCV207 | 4 | $2,870 | 24 May | 12 Oct, 17 May | On Request | | | | 15 Mar | On Request | | | | | | | |
| Suggested any CLX course | CCV204-A-EL | FactoryTalk® View ME & PanelView™ Plus Programming | CCV204 | 4 | $2,870 | 1 Dec | 27 Jul | On Request | | | | 2 Feb | On Request | | | | | | | |
| **Low Voltage AC Variable Speed Drives** | | | | | | | | | | | | | | | | | | | | |
| | CCA182-EL | PowerFlex 750-Series Configuration & Startup, Maintenance & Troubleshooting | CCA183 | 2 | $1,720 | 29 Jun | 15 Sep, 17 Aug | 4 May | On Request | | | 10 Nov, 9 Mar | On Request | | | | 23 Feb | On Request | 29 Jun | 1 Dec |
| **Software** | | | | | | | | | | | | | | | | | | | | |
| | | FactoryTalk AssetCentre System Design and Implementation | FTAC | 3 | $2,270 | 27 Apr | 3 Nov | On Request | | | | 23 Mar | On Request | | | | | | 23 Feb | 17 Aug |
| | | ThinManager Configuration and Maintenance | SPE201-LD | 2 | $1,720 | On Request | | | | | | | | | | | | | | |
| | | AAdvance Comprehensive System Training | PRST9063LD | 3 | $2,270 | On Request | | | | | | 27 Apr | On Request | | | | | 3 Nov | On Request | |
| **OT & IT Industrial Networks** | | | | | | | | | | | | | | | | | | | | |
| | | Essentials of Industrial Ethernet Networks for an OT Professional | CCP182 | 2 | $1,720 | 17 Nov | On Request | | | | | 13 Apr | On Request | | | | | | | |
| Suggested any CLX course | CCP183-EL | EtherNet/IP Configuration and Troubleshooting | CCP183 | 3 | $2,270 | 20 Oct, 10 Aug | 1 Dec, 11 May | On Request | | | | 19 Jan | On Request | | | | | 10 Nov | 8 Dec | 18 May |
| Suggested any CLX course | | GuardLogix Application Development and Troubleshooting | CCP164 | 3 | $2,270 | On Request | 15 Jun | On Request | | | | 6 Jul | On Request | | | | | 20 Oct, 3 Mar | On Request | |
| **Safety Products** | | | | | | | | | | | | | | | | | | | | |
| | | GuardLogix Application Development | SAF-LOG101 | 2 | $1,720 | On Request | | | | | | | | | | | | | 4 May | On Request |
| Suggested any CLX course | | GuardLogix Fundamentals and Troubleshooting | SAFLOG103 | 1 | $1,140 | On Request | | | | | | | | | | | | | 6 May | On Request |
| *Suggested: CCP143 or CCP250 | SAF-LOG104-EL Released 2020 | GuardLogix Application Development and Troubleshooting | SAFLOG104 | 3 | $2,270 | 10 Nov | 29 Jun | On Request | | | | | | | | | | | 6 Oct (Hamilton) | On Request |
| **Medium Voltage AC Variable Speed Drive** | | | | | Class Price | | | | | | | | | | | | | | | |
| | | (Onsite Training with Client PF6000 for Lab) PowerFlex 6000 Medium Voltage Drive Operation and Maintenance | MV6000-LD | 2 | AU/NZ$15,000 Max 8 delegates | On Request | | | | | | | | | | | | | | |
| | | (Onsite Training with Client PF7000 for Lab) PowerFlex 7000 Medium Voltage Drive Operation and Maintenance | MV7000-LD | 3 | AU/NZ$21,200 Max 8 delegates | On Request | | | | | | | | | | | | | | |
| **Industrial Internet of Things (IIoT & Cybersecurity)** | | | | | Class Price | | | | | | | | | | | | | | | |
| | | (Virtual Instructor-led) Introduction to Industrial Internet of Things | CBS-IIOT | 2 | AU/NZ$15,000 Max 10 delegates | On Request | | | | | | | | | | | | | | |
| | | (Virtual Instructor-led) OTCS Cybersecurity Awareness and ISA IEC62443 | CBS-ISA | 2 | AU/NZ$15,000 Max 10 delegates | On Request | | | | | | | | | | | | | | |
| **TÜV Safety** | | | | | Price per delegate | | | | | | | | | | | | | | | |
| Mandatory: Minimum of 1 year experience working on industrial machinery. A completed and approved eligibility form to receive certification. | | (Virtual Instructor-led, with TUV Exam) Functional Safety for Machinery Technician Certification (TÜV Rheinland) | SAF-TUV0T | 2 | AU/NZ$2,520 Min 3 delegates | 7 Sep, 3 Feb | 12 Oct | On Request | | | | 16 Nov | On Request | | | | 21 Sep | 9 Nov | 2 Nov, 3 May | 11 Feb, 2 Aug |
| | | (Instructor-led, with TUV Exam) Functional Safety for Machinery Technician Certification (TÜV Rheinland) | SAF-TUV0T | 2 | AU/NZ$2,520 Min 8 delegates | On Request | | | | | | | | | | | | | | |
| | | (Virtual Instructor-led, No Exam) Functional Safety For Machinery Introduction | SAF-TUV1 | 3 | AU/NZ$2,350 Min 3 delegates | 19 Oct, 6 Apr | 10 May | On Request | | | | 8 Jun | On Request | | | | 22 Mar | 26 Apr | 16 Nov, 17 May | 15 Feb, 9 Aug |
| | | (Instructor-led, No Exam) Functional Safety For Machinery Introduction | SAF-TUV1 | 3 | AU/NZ$2,350 Min 5 delegates | On Request | | | | | | | | | | | | | | |
| Mandatory: A completed and approved eligibility form from TÜV Rheinland proving: - Minimum of 3-5 years experience in the field of Functional Safety - University engineering degree (master's or bachelor's) or equivalent engineer - Completion of eligibility form from Rockwell Automation/TÜV Rheinland - A passing grade of 70% or higher on Functional Safety for Machinery Engineer Certification (TÜV Rheinland) exam | | (Instructor-led, with TUV Exam) Functional Safety for Machinery Engineer Certification (TÜV Rheinland) | SAF-TUV2T | 5 | AU/NZ$4,680 Min 8 delegates | 23 Sep, 15 Mar | 2 Nov | On Request | | | | 7 Dec | On Request | | | | 9 Aug | 26 Oct | 25 Jan, 12 Jul | 1 Mar, 23 Aug |

# Training Schedule
## September 2020 – August 2021

**Rockwell Automation**

expanding human possibility™

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## E-Learning Courses

### Self-paced, Online Industrial Automation and Control Training

The industrial skills gap is putting pressure on the manufacturing workforce like never before. The complexity of the operational and technical systems they must design, operate, and maintain is increasing. Diverse skillsets are in demand to match the expanded roles and responsibilities of many positions. A generation of skilled workers is retiring, taking valuable tribal knowledge with them.

Our E-Learning courses provide the flexibility and convenience of self-paced, self-directed training courses when and where you need them most. Our E-Learning incorporates a variety of fundamental and product specific topics to deliver a world class online training solution directly to your plant floor or wherever you need it most. Each Learning module contain activities, software simulations, and demonstration videos to help reinforce learning concepts. The modules can be taken on any tablet or PC using Chrome, Safari, IE, Edge, or Firefox, and all content is narrated, and has a viewable transcript.

To learn more about our E-Learning courses, contact your local sales office or distributor.
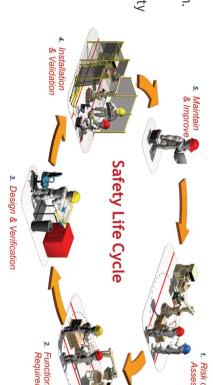
## TÜV Certified Training

The question is asked: *"What drives people to be trained or to train their personnel?"* but more importantly, *"What happens if we don't?"*

Machine Safety is an area that has become intrinsic to the operation of machinery and impacts on the entire spectrum of production.

We can help - with the support of our TÜV Rheinland machine safety engineers and safety courses.

We can help you to deliver staff training that qualifies them for an industry-standard TÜV Rheinland Certificate, helping them understand safety requirements, compliance and contributing towards a safer working environment.

These intensive safety training courses, delivered in partnership with, and certified by TÜV Rheinland, are designed to educate and inform participants of current best practice within functional safety.

**Safety Life Cycle**

1. Risk or Safety Assessment
2. Functional Requirements
3. Design & Verification
4. Installation & Validation
5. Maintain & Improve

## Job Aids

### Compact and Durable, Perfect for the Plant Floor

Our experience has shown that a majority of common plant-floor errors can be eliminated by having a well-designed procedure to follow. Rockwell Automation award-winning job aids provide essential job task information, thereby minimising errors that can occur at the most inopportune moments.

Our job aids are written at a level of detail to ensure that you are consistently using best practices. We offer both standard guides that provide detailed instructions on the most common Rockwell Automation hardware and software-related job tasks, as well as custom guides that are created to work with your plant-specific systems and applications.

To help you with the latest industrial control technology, Rockwell Automation has developed a variety of task-specific job aids to meet your needs. The right job aid can make the difference between productive time and downtime and between maximum performance and minimum operation.

To purchase or for pricing information, contact your local Allen-Bradley Distributor or Rockwell Automation Sales Office.

## Why Train With Us

The rate at which new technologies are introduced or existing ones change makes the task of remaining current increasingly difficult. Whether being introduced to the products in the Rockwell Automation range or looking to review or update your existing knowledge, Rockwell Automation, through its distributors, offers a training solution for you.

We hope to provide an integrated training path that will result in students confident enough to maintain or modify and suggest improvements to the equipment your workplace relies on for production and profit.

The instructors who make up our team have field based knowledge and experience that enables them to deliver training that's relevant and practical in its content and hands on in its coverage. Courses include: flexible, instructor-led, computer-based e-Learning, and tailored courses. All Instructor led courses make hands on activities a priority. Unless specifically stated, classes will commence with 4 or more participants at an Authorised Training Center, and with 6 or more participants at Client site.

If you don't see a course in the schedule with the content you need or in a convenient location, get in touch directly with us to discuss your options.

Trainers will recommend existing courses or structure and merge standard courses to better fit your needs and manage the limitations such as time, content, cost or location.

AP Training Cancellation Policy:
- Full course fee charged for cancellations / postponements received within 15 calendar days, prior to course commencement.
- Full course fee charged for no-show participants.

## Build Your Skills Anytime, Anywhere With Virtual Coaching

**Learn remotely from knowledgeable Rockwell Automation technical resources on the topics most relevant for you. Completely tailored to your needs.**

- **What is virtual coaching?**
  Virtual training sessions with a Rockwell Automation specialist allow you to discuss technology-specific scenarios, improve your technical expertise, or expand upon your e-Learning experience. Ask questions and get information about the topics specific to your job

- **Affordable and convenient**
  Select a session of up to four hours or up to eight hours for 1:1 coaching or virtual groups of up to six students. Get the same level of knowledge transfer for either an individual session or a group of up to six students at the same cost.

- **Technology topics**
  Logix, Motion, Drives, Visualization, Networks, and Safety Technologies
  **All you need** is internet access on your mobile device or computer

## Managing Industrial Networks

Most manufacturing systems are no longer just manual, linear processes and are now high-powered automated systems that require monitoring. Demands for information from, and connectivity to, these new and traditional operations makes it crucial to keep pace. This OT and IT convergence is raising questions within manufacturing and industrial organisations, principally, who will develop and oversee this new and complex network infrastructures.

Rockwell Automation offers training for various levels of responsibility from factory floor to plant wide.
- EtherNet/IP Configuration and Troubleshooting (CCP183)
- Essentials of Industrial Ethernet Networks for Operations (OT) Professional (CCP182)

### Global Certificate Programs

Certificate programs offer professional education to help you develop and apply your technical skills and knowledge to your plant systems to improve quality, efficiency, and productivity. These programs are intended for maintenance or programming professionals who want to stay ahead of the competition, accelerate their knowledge using the latest automation control technology, and earn professional recognition and credits through a formal program.

### Accelerated Logix5000 Programmer Certificate Course Level 1 (CCP250)

This accelerated course is for individuals who can quickly learn and apply Logix5000™ concepts, terminology, hardware, and the Studio 5000 Logix Designer® programming environment. You will quickly move from these early concepts to using producer/consumer technology and messages to multicast input and output devices, share data between controllers, and control remote I/O. Upon completion of this course, given a functional specification for a Logix5000 application, you should be able to develop a project to meet the specification requirements. This course prepares you for the Accelerated Logix5000 Programmer Certificate Course Level 1 certificate exam.

### Accelerated Logix5000 Maintainer Certificate Level 1 (CCP350)

This accelerated course is for individuals who can quickly learn and apply Logix5000™ concepts, terminology, hardware troubleshooting skills, and interpretation of ladder logic in a Studio 5000 Logix Designer® project. Upon completion of this course, you should be able to troubleshoot a previously operational Logix5000 system and restore normal operation. This course prepares you for the Logix5000 Maintainer Certificate Course Level 1 certificate exam.

## Terms & Conditions

### Asia Pacific Training Cancellation Policy

- Full course fee charged for cancellations / postponements received within 15 calendar days, prior to course commencement.
- Suitably qualified replacements are welcome provided they register prior to commencement of the first day of the Course.
- Customers will receive a full refund of fees paid in advance should Rockwell Automation default.
- Requests for cancellations and transfers must be received in writing and acknowledged by Rockwell Automation.
- Full course fee charged for no-show participants.

**For any Training enquiries, please email: CSMSPRTraining@ra.rockwell.com**

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| Pre-Requisite (Suggested / Mandatory) | E-Learning Course Description | AUD/NZD Price Per User | E-Learning Code | Duration |
|---|---|---|---|---|
| Mandatory: Active TechConnect / Toolkit Contract required | Single E-Learning course access for 3 months (**NEW**) | $990 | EL-3 | 90 Days |
| | Single E-Learning course access for 3 months (**NEW**) | $960 | EL-3TC | 90 Days |
| | Full E-Learning library access for 12 months (**NEW**) | $3,820 | EL-12SU | 365 Days |
| | Full E-Learning library access for 12 months + Supervisor Features / Dashboard (**NEW**) - Minimum Order Quantity 10 | $3,440 | EL-12GU | 365 Days |
| | Full E-Learning library access for 12 months + Supervisor Features / Dashboard (**NEW**) - Minimum Order Quantity 50 | $2,870 | EL-12MU | 365 Days |
| **E-Learning - Control/Logix** | | | | |
| | Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals | | CCP146-EL | 7 Hours |
| CCP146 & CCP153 | Studio 5000 Logix Designer Level 3: Basic Ladder Logic Interpretation | | CCCL21-EL | 5 Hours |
| CCP-146 | Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming | | CCP151-EL | 4 Hours |
| CCP151 | Studio 5000 Logix Designer Level 3: Project Development | | CCP143-EL | 9 Hours |
| | Function Block Programming | | CCP152-EL | 6 Hours |
| | Structured Text and Sequential Chart Programming | | CCP154-EL | 4 Hours |
| **E-Learning - Visualisation** | | | | |
| CCP-146 | Factory Talk View ME and PanelView Plus Programming | | CCV204-A-EL | 11 Hours |
| CCP-146 | Factory Talk View Site Edition Programming | | CCV207-EL | 9 Hours |
| **E-Learning Power Control** | | | | |
| CCA101 | PowerFlex 750-Series Configuration and Startup | | CCA182-EL | 3 Hours |
| CCA182 and CCP146 | PowerFlex 750-Series Configuration for an Integrated Control System | | CCA184-EL | 3 Hours |
| | PowerFlex525 Startup & Configuration | | CCA185-EL | 2 Hours |
| | Connected Components Workbench | | CCATBD-EL | TBA |
| **E-Learning OT & IT Industrial Networks, Industrial Internet of Things (IIoT)** | | | | |
| CCP146 & CCP153 | EtherNet/IP Configuration and Troubleshooting | | CCP183-EL | 8 Hours |
| CCP183 | Industrial Network Architecture: Foundation (Logical & Physical Network Infrastructure Design) | | INA201-EL | 8 Hours |
| INA201 | Industrial Network Architecture: Intermediate (Wireless Architectures, Resiliency Protocols, Network Securing) | | INA202-EL | 7 Hours |
| INA202 | Industrial Network Architecture: Advanced Part 1 (Converged Multi-service Plant-wide Network Design & Security) | | INA203-EL | 8 Hours |
| INA203 | Industrial Network Architecture: Advanced Part 2 (Industrial Demilitarized Zone Technologies, Secure Remote Access, Virtualization & Industrial Data Centers) | | INA204-EL | 7 Hours |
| **E-Learning Motion Control** | | | | |
| CCP298 & CCP299 | Motion Control Fundamentals Using Kinetix 5700 (CIP) Servo Drives | | CCN132-EL | 6 Hours |
| (CCN132 or CNN130) and CCP143 | Studio 5000 Logix Designer Level 4: Kinetix 5700 (CIP) Programming | | CCN144-A-EL | 6 Hours |
| **E-Learning Machine Safety** | | | | |
| | GuardLogix Application Development & Troubleshooting | | SAF-LOG104-EL | TBA |
| **E-Learning Process Control** | | | | |
| | Vibration / Condition Monitoring | | EK-ICM101E-EL | TBA |
| | PlantPAx Operating & Maintenance | | PRSTBD-EL | TBA |
| | PlantPAx System Design & Implementation | | PRS019-EL | TBA |

**Notes:**
1. For any training enquiries, pls email CSMSPRTraining@ra.rockwell.com
2. Australia Training website : https://www.rockwellautomation.com/en-au/support/training.html
3. New Zealand Training website : https://www.rockwellautomation.com/en-nz/support/training.html