

| Recommended For                                      | Course Description<br>(Click here for Online Catalogue)  | Course Code<br>(Url to course profile) | Duration | Price per Delegate at<br>RA Training Center | Dates  | Pre-Requisite(s) (Suggested /<br>Mandatory)  | Learning+ Option Available for Individual Delegate<br>(Url to course profile) |
|--|--|--|----------|---|--|--|---|
| <b>Programmable Logic Controller</b>                 |  |  |          |   |  |  |   |
| Operations & Maintenance                             | Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting (1756-L6* / 1756-L7*)                                      | <a href="#">CCP299</a>                 | 5 days   | USD 2,600                                   | 20 Sep 21<br>7 Feb 22<br>23 May 22<br>8 Aug 22 |  |   |
| Operations & Maintenance                             | Accelerated Logix5000 Maintainer Certificate Level 1 (1756-L8*)  | <a href="#">CCP300</a>                 | 5 days   | USD 2,910                                   | On request                                     | Mandatory: Any CLX course  |   |
| Design & Configuration                               | Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming (1756-L6* / 1756-L7*)   | <a href="#">CCP151</a>                 | 2 days   | USD 1,350                                   | On request                                     | Mandatory: Any CLX course  | <a href="#">CCP151-EL</a>   |
| Design & Configuration                               | Studio 5000 Logix Designer Level 4: Function Block Programming, Structured Text, Sequential Function Chart Programming (1756-L6* / 1756-L7*) | <a href="#">CCP152</a>                 | 2 days   | USD 1,350                                   | On request                                     | Suggested: Any CLX course  | <a href="#">CCP152-EL</a>   |
| Design & Configuration                               | Accelerated Logix5000 Programmer Certificate Level 1 (1756-L8*)  | <a href="#">CCP154</a>                 | 2 days   | USD 1,350                                   | On request                                     | Suggested: Any CLX course  | <a href="#">CCP154-EL</a>   |
| Design & Configuration                               | Accelerated Logix5000 Programmer Certificate Level 1 (1756-L8*)  | <a href="#">CCP250</a>                 | 5 days   | USD 2,910                                   | 13 Jun 22                                      | Mandatory: Any CLX course  |   |
| Design & Configuration                               | Studio 5000 Logix Designer Level 3: Project Development (1756-L6* / 1756-L7*)  | <a href="#">CCP143</a>                 | 4 days   | USD 2,290                                   | 16 Nov 21<br>15 Mar 22<br>23 Aug 22            | Suggested: Any CLX course  | <a href="#">CCP143-EL</a>   |
| Design & Configuration                               | Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting   | <a href="#">CCP153</a>                 | 4 days   | USD 2,290                                   | 7 Dec 21<br>2 Aug 22                           | Mandatory: Any CLX course  |   |
| Design & Configuration                               | Advanced Logix5000 Programmer Certificate (1756-L8*)   | <a href="#">CCP251</a>                 | 5 days   | USD 2,600                                   | On request                                     | Mandatory: CCP250  |   |
| <b>Visualization</b>                                 |  |  |          |   |  |  |   |
| Operations & Maintenance                             | FactoryTalk® View SE Maintenance & Troubleshooting   | <a href="#">CCV206</a>                 | 2 days   | USD 1,350                                   | On request                                     | Suggested: Any CLX course  |   |
| Operations & Maintenance                             | FactoryTalk® View ME and PanelView™ Plus Maintenance & Troubleshooting   | <a href="#">CCV209</a>                 | 2 days   | USD 1,350                                   | On request                                     | Suggested: Any CLX course  |   |
| Design & Configuration                               | FactoryTalk® View SE Programming   | <a href="#">CCV207</a>                 | 5 days   | USD 2,600                                   | 11 Oct 21<br>21 Mar 22<br>18 Jul 22            | Suggested: Any CLX course  | <a href="#">CCV207-EL</a>   |
| Design & Configuration                               | FactoryTalk® View ME & PanelView™ Plus Programming   | <a href="#">CCV204</a>                 | 4 days   | USD 2,290                                   | 22 Feb 22<br>28 Jun 22                         | Suggested: Any CLX course  | <a href="#">CCV204-A-EL</a>   |
| <b>Process Control</b>                               |  |  |          |   |  |  |   |
| Design & Configuration                               | PlantPAx System Design and Configuration   | <a href="#">PRC201</a>                 | 5 days   | USD 4,000                                   | On request                                     | Suggested: Any CLX and FactoryTalk course  | <a href="#">PRC201-EL</a>   |
| <b>Low Voltage AC Variable Speed Drive</b>           |  |  |          |   |  |  |   |
| Design, Configuration, Operations & Maintenance      | PowerFlex 750-Series Configuration & Startup, Maintenance & Troubleshooting  | CCA182 + CCA183                        | 3 days   | USD 1,980                                   | 8 Mar 22<br>12 Jul 22                          |  | <a href="#">CCA182-EL</a>   |
| Design, Configuration, Operations & Maintenance      | PowerFlex 700 Vector Control Configuration and Startup, Maintenance & Troubleshooting  | CCA161<br>CCA163                       | 2 days   | USD 1,980                                   | On request                                     |  |   |
| <b>Software</b>                                      |  |  |          |   |  |  |   |
| Design & Configuration                               | FactoryTalk AssetCentre System Design and Implementation   | FTAC                                   | 3 days   | USD 1,980                                   |  |  | FTAC  |
| Design & Configuration                               | ThinManager Configuration and Maintenance  | SPE201-LD                              | 2 days   | USD 1,350                                   |  |  |   |
| Design & Configuration                               | FactoryTalk Historian Site Edition Configuration and Data Collection + FactoryTalk VantagePoint Configuration and Reporting                  | RS-FTSEC + FTVP                        | 5 days   | USD 2,600                                   | On request                                     | Suggested: Any CLX & FTView course   |   |
| Design & Configuration                               | FactoryTalk® Transaction Manager Configuration   | RS-FTTM                                | 3 days   | USD 1,980                                   |  | Suggested: SQL database software   |   |
| Design & Configuration                               | (Simulation only, No Hardware) PlantPAx System Design and Configuration  | PRSD19                                 | 4 days   | USD 2,290                                   |  | Suggested: Any CLX & FTView course   |   |
| Design & Configuration                               | FactoryTalk Batch Project Design and Implementation  | PRST10-LD                              | 5 days   | USD 2,600                                   |  |  |   |
| Design & Configuration                               | Advance Comprehensive System Training  | PRST9063LD                             | 3 days   | USD 2,290                                   |  |  |   |
| <b>Motion Control</b>                                |  |  |          |   |  |  |   |
| Operations & Maintenance                             | Kinetix 6000 (SERCOS) Troubleshooting and Project Interpretation   | CCN200                                 | 2 days   | USD 1,350                                   |  | Suggested: Any CLX course and CCN132   |   |
| Operations & Maintenance                             | Kinetix 6500 (CIP) Troubleshooting and Project Interpretation  | CCN201                                 | 3 days   | USD 1,670                                   |  | Suggested: Any CLX course and CCN132   |   |
| Operations & Maintenance                             | Kinetix 5700 (CIP) Troubleshooting and Project Interpretation  | CCN202                                 | 3 days   | USD 1,880                                   |  | Suggested: Any CLX course and CCN132   |   |
| Design & Configuration                               | Studio 5000™ Logix Designer Level 5: Advanced Motion Programming (SERCOS Kinetix 6000)   | CCN190-LD                              | 2 days   | USD 1,350                                   | On request                                     | Suggested: Any CLX course and CCN132   |   |
| Design & Configuration                               | Studio 5000 Logix Designer Level 4: Kinetix 6500 (CIP) Programming   | CCN144                                 | 4 days   | USD 2,290                                   |  | Suggested: Any CLX course and CCN132   |   |
| Design & Configuration                               | Studio 5000 Logix Designer Level 4: Kinetix 5700 (CIP) Programming   | CCN144-A                               | 4 days   | USD 2,290                                   |  | Suggested: Any CLX course and CCN132   | <a href="#">CCN144-A-EL</a>   |
| <b>Medium Voltage AC Variable Speed Drive</b>        |  |  |          |   |  |  |   |
| Operations & Maintenance                             | (Theory only, No Hardware) PowerFlex 7000 Medium Voltage Drive Operation and Maintenance   | MV7000-LD                              | 4 days   | USD 2,290                                   | On request                                     |  |   |
| <b>OT &amp; IT Industrial Networks</b>               |  |  |          |   |  |  |   |
| Design & Configuration                               | DeviceNet and RSNetwork Configuration and Troubleshooting  | CCP164                                 | 3 days   | USD 1,980                                   | On request                                     | Suggested: Any CLX course  |   |
| Design & Configuration                               | EtherNet/IP Configuration and Troubleshooting  | CCP183                                 | 3 days   | USD 1,980                                   | On request                                     | Suggested: Any CLX course  | <a href="#">CCP183-EL</a>   |
| <b>Machine Safety</b>                                |  |  |          |   |  |  |   |
| Design, Configuration, Operations & Maintenance      | (Virtual Instructor-led, No Exam) Functional Safety For Machinery Introduction   | <a href="#">SAF-TUV1</a>               | 3 days   |   | On request                                     | Suggested: Any CLX course  |   |
| Industrial Internet of Things (IIoT) & Cybersecurity |  |  |          | Class Price for upto 10 Delegates           |  |  |   |
| Awareness & Design                                   | (Virtual Instructor-led) Introduction to Industrial Internet of Things   | RA-IIOT                                | 2 days   | USD 14,700                                  | On request                                     |  |   |
| Awareness & Design                                   | (Virtual Instructor-led) OTCS Cybersecurity Awareness and ISA IEC62443   | CBS-ISA                                | 2 days   | USD 14,700                                  |  |  |   |
| <b>TUV Safety</b>                                    |  |  |          |   |  |  |   |
| Design, Configuration, Operations & Maintenance      | (With TUV Exam) Functional Safety for Machinery Technician Certification (TÜV Rheinland)   | <a href="#">SAF-TUV0T</a>              | 2 days   | USD 1,800                                   |  | Mandatory: Minimum of 1 year experience working on industrial machinery  |   |
| Design, Configuration, Operations & Maintenance      | (Virtual Instructor-led, No Exam) Functional Safety For Machinery Introduction   | <a href="#">SAF-TUV1</a>               | 3 days   | USD 1,800                                   |  | A completed and approved eligibility form to receive certification (see details in the next section)   |   |
| Design, Configuration, Operations & Maintenance      | (With TUV Exam) Functional Safety for Machinery Engineer Certification (TÜV Rheinland)   | <a href="#">SAF-TUV2T</a>              | 5 days   | USD 3,000                                   | On request                                     | It is highly recommended that participants have professional experience in the field of functional safety or have attended another introductory course on functional safety. A completed and approved eligibility form from TÜV Rheinland proving: Minimum of 3-5 years experience in the field of Functional Safety |   |
| Design, Configuration, Operations & Maintenance      | (With TUV Exam) Functional Safety for Machinery Engineer Certification (TÜV Rheinland)   | <a href="#">SAF-TUV2T</a>              | 5 days   | USD 3,000                                   | On request                                     | University engineering degree (master's or bachelor's) or equivalent engineer<br>Completion of eligibility form from Rockwell Automation/TÜV Rheinland<br>A passing grade of 70% or higher on Functional Safety for Machinery Engineer Certification   |   |

**Notes:**  
 1. Rockwell provides standard, customized, onsite and in-house instructor-led and E-learning training programs. Additional charges apply for customized and onsite training  
 2. Prices mentioned are applicable for trainings conducted at Rockwell Training Center on standard working days.  
 3. 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  
 4. Dates mentioned are tentative. Unless specifically stated, classes will commence with 4 or more participants at Rockwell Training Center, and with 6 or more participants at Client site  
 5. Actual course agenda and duration delivered may differ from course profile, according to Instructor's discretion to contextualize the learning experience for delegates  
 6. For any training enquiries, pls email CSMSEATraining@ra.rockwell.com  
 7. Training website : [https://www.rockwellautomation.com/en\\_SEA/products/training/overview.page](https://www.rockwellautomation.com/en_SEA/products/training/overview.page)

# SINGAPORE TRAINING CALENDAR SEP 2021 - AUG 2022

| Recommended for   | Course Description   | Product Code                  | Duration               | Price                         | Pre-requisite(s) (Suggested / Mandatory)   |
|---|--|-------------------------------|------------------------|-------------------------------|--|
| Individual delegates who wish to accelerate technical competency development via a Flexible, On-demand E-Learning platform, without the need to travel                                    | Learning+ EDU users MOQ (Access to all courses available in library)   | LP-EU                         | 365 Days               | USD 149                       | Mandatory: Active Educational support program<br>Minimum Order Quantity : 10             |
|   | Learning + Group User MOQ (Access to all courses available in library)   | LP-GU                         | 365 Days               | USD 3,546                     | Mandatory: Active TechConnect / Toolkit Contract required<br>Minimum Order Quantity : 10 |
|   | Learning + Multi User MOQ (Access to all courses available in library)   | LP-MU                         | 365 Days               | USD 2,751                     | Mandatory: Active TechConnect / Toolkit Contract required<br>Minimum Order Quantity : 50 |
|   | Learning+ Single User Subscription (Access to all courses available in library)  | LP-SU                         | 365 Days               | USD 3,694                     | Mandatory: Active TechConnect / Toolkit Contract required                                |
|   | Learning+ 1 Class 3months (Access to Single course, Without Tech Connect)  | LP-3                          | 90 Days                | USD 1,012                     |  |
|   | Learning+ 1 Class 3months (Access to Single course)  | LP-3TC                        | 90 Days                | USD 658                       | Mandatory: Active TechConnect / Toolkit Contract required                                |
| <b>Learning+ - ControlLogix</b>   |  |                               |                        |                               |  |
| Design, Configuration, Operations & Maintenance   | Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals  | <a href="#">CCP146-EL</a>     | 7 hours                |                               |  |
| Operations & Maintenance  | Studio 5000 Logix Designer Level 3: Basic Ladder Logic Interpretation  | <a href="#">CCCL21-EL</a>     | 5 hours                |                               | Suggested: CCP146 and CCP153   |
| Design & Configuration  | Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming   | <a href="#">CCP151-EL</a>     | 4 hours                |                               | Suggested: CCP146  |
| Design & Configuration Maintenance & Troubleshooting  | Studio 5000 Logix Designer Level 2: Basic Ladder Logic Programming   | <a href="#">CCP153-EL</a>     | 8 hours                |                               | Suggested: CCP146  |
| Design & Configuration  | Studio 5000 Logix Designer Level 3: Project Development  | <a href="#">CCP143-EL</a>     | 9 hours                |                               | Suggested: CCP151  |
| Design & Configuration  | Function Block Programming   | <a href="#">CCP152-EL</a>     | 6 hours                |                               | Suggested: CCP143  |
| Design & Configuration  | Structured Text and Sequential Chart Programming   | <a href="#">CCP154-EL</a>     | 4 hours                |                               | Suggested: CCP143  |
| Design & Configuration  | S;C500 & RSLogix500 programming  | <a href="#">CCPS41-EL</a>     | 8 hours                |                               | Suggested: CCP122  |
| <b>Learning+ - Visualization</b>  |  |                               |                        |                               |  |
| Design & Configuration  | FactoryTalk View ME and PanelView Plus Programming   | <a href="#">CCV204-A-EL</a>   | 11 hours               |                               | Suggested: CCP146  |
| Design & Configuration  | FactoryTalk View Site Edition Programming  | <a href="#">CCV207-EL</a>     | 9 hours                |                               | Suggested: CCP146  |
| Design software & Implementatoin, Programming   | factory talk asset centre design and implementation V10 (P)  | <a href="#">FTAC</a>          | 7 hours                |                               |  |
| <b>Learning+ - Power Control</b>  |  |                               |                        |                               |  |
| Design, Configuration, Operations & Maintenance   | PowerFlex 750-Series Configuration and Startup   | <a href="#">CCA182-EL</a>     | 3 hours                |                               | Suggested: CCA101  |
| Design, Configuration ,Maintenance & Troubleshooting  | Power flex 750 series maintenance and troubleshooting (M)  | <a href="#">CCA183-EL</a>     | 3 hours                |                               |  |
| Design, Configuration, Operations & Maintenance   | PowerFlex 750-Series Configuration for an Integrated Control System  | <a href="#">CCA184-EL</a>     | 3 hours                |                               | Suggested: CCA182 and CCP146   |
| Design, Configuration, Operations & Maintenance   | PowerFlex525 Startup & Configuration   | <a href="#">CCA185-EL</a>     | 2 hours                |                               |  |
| Design, Configuration, Operations & Maintenance   | Connected Components Workbench   | <a href="#">CCATBD-EL</a>     | To be released in 2022 |                               |  |
| Design, Configuration, Operations & Maintenance   | Connected Components Workbench Programming   | <a href="#">CMP100-EL</a>     | 4 hours                |                               | Ability to perform basic Microsoft Windows tasks   |
| <b>Learning+ - OT &amp; IT Industrial Networks , Industrial Internet of Things (IIoT)</b>   |  |                               |                        |                               |  |
| Design, Configuration, Operations & Maintenance   | EtherNet/IP Configuration and Troubleshooting  | <a href="#">CCP183-EL</a>     | 8 hours                |                               | Suggested: CCP146 and CCP153   |
| Design & Configuration  | Industrial Network Architecture: Foundation (Logical & Physical Network Infrastructure Design)   | <a href="#">INA201-EL</a>     | 8 hours                |                               | Suggested: CCP183  |
| Design & Configuration  | Industrial Network Architecture: Intermediate (Wireless Architectures, Resiliency Protocols, Network Securing )  | <a href="#">INA202-EL</a>     | 7 hours                |                               | Suggested: INA201  |
| Design & Configuration  | Industrial Network Architecture: Advanced Part 1 (Converged Multi-service Plant-wide Network Design & Security)  | <a href="#">INA203-EL</a>     | 8 hours                |                               | Suggested: INA202  |
| Design & Configuration  | Industrial Network Architecture: Advanced Part 2 (Industrial Demilitarized Zone Technologies, Secure Remote Access, Virtualization & Industrial Data Centers ) | <a href="#">INA204-EL</a>     | 7 hours                |                               | Suggested: INA203  |
| <b>Learning+ - Motion Control</b>   |  |                               |                        |                               |  |
| Design, Configuration, Operations & Maintenance   | Motion Control Fundamentals Using Kinetix 5700 (CIP) Servo Drives  | <a href="#">CCN132-EL</a>     | 6 hours                |                               | Suggested: CCP299 or CCP298  |
| Design & Configuration  | Studio 5000 Logix Designer Level 4: Kinetix 5700 (CIP) Programming   | <a href="#">CCN144-A-EL</a>   | 6 hours                |                               | Suggested: (CCN132 or CNN130) and CCP143   |
| <b>Learning+ - Machine Safety</b>   |  |                               |                        |                               |  |
| Design & Configuration  | GuardLogixApplication Development & Troubleshooting  | <a href="#">SAF-LOG104-EL</a> | 3 hours                |                               | Suggested (CCP143 AND CCP250)  |
| Understand the Functional Safety for Machinery  | SAF-TUV1-Functional Safety for Machinery Introduction  | <a href="#">TBD-EL</a>        | To be released in 2022 |                               |  |
| <b>Learning+ - Process Control</b>  |  |                               |                        |                               |  |
| Design, Configuration, Operations & Maintenance   | Vibration / Condition Monitoring   | <a href="#">EK-ICM101E-EL</a> | 3 hours                |                               |  |
| Operations & Maintenance  | Plant Pax Operating & Maintenance  | <a href="#">PRSTBD-EL</a>     | To be released in 2022 |                               |  |
| Design & Configuration  | Plant Pax System Design & Implementation   | <a href="#">PRS201-EL</a>     | 5 hours                |                               |  |
| Design & Operation  | Plant Pax System Operations  | <a href="#">PRS-203-EL</a>    | 3 hours                |                               |  |
| <b>Legacy Products</b>  |  |                               |                        |                               |  |
| System Design & Programming   | SLC500 AND RSL LOGIX 500 programming (P)   | <a href="#">CCPS41</a>        | 8 hours                |                               |  |
| <b>Learning+ - Cyber Security</b>   |  |                               |                        |                               |  |
| Networking  | CISO cber security ( Avant)  | <a href="#">TBD-EL</a>        | To be released in 2022 |                               |  |
| <b>Recommended for</b>  |  |                               |                        |                               |  |
| Workstations provide ideal practice for:<br>+ New hires<br>+ New technologies<br>+ System upgrades<br>+ New production processes<br>+ Transitioning employees<br>+ Competency assessments | ControlLogix Workstation – No Motion (10-slot chassis)   |                               |                        |                               | <a href="#">ABT-TDCLX3-C</a>   |
|   | GuardLogix Controller Workstation  |                               |                        |                               | <a href="#">ABT-TDGRDLX1-B</a>   |
|   | AAAdvance Control Systems Workstation  |                               |                        |                               | <a href="#">ABT-TDAADV</a>   |
|   | CompactLogix Integrated Architecture Workstation   |                               |                        |                               | <a href="#">ABT-TDIALITE-A</a>   |
|   | PowerFlex 755 & Motor Workstation  |                               |                        |                               | <a href="#">ABT-TDPF755-A</a>  |
|   | Kinetix 5700 Workstation   |                               |                        |                               | <a href="#">ABT-TDK5700</a>  |
|   | Stratix 5700 EtherNet/IP & PanelView Plus 7 Workstation  |                               |                        |                               | <a href="#">ABT-TDENET5700-A</a>   |
|   | ThinManager Workstation  |                               |                        |                               | <a href="#">ABT-TDTHINMGR</a>  |
| Machine Safety Components Workstation   |  |                               |                        | <a href="#">ABT-TDSAFCOMP</a> |  |

**Notes**

- For any training enquiries , pls email [CSMSEATraining@ra.rockwell.com](mailto:CSMSEATraining@ra.rockwell.com)
- Training website : [https://www.rockwellautomation.com/en\\_SEA/products/training/overview.page](https://www.rockwellautomation.com/en_SEA/products/training/overview.page)