



Emerson Controller Certified Training

Controller Programming 7701

As an authorised training centre for Emerson, IPD is pleased to offer the opportunity for our clients to enrol in a 'STEP' certified Emerson Controller training course.

WHO SHOULD ATTEND

This course is intended for those who are or will be involved in the development, modification, and troubleshooting of Emerson control systems using PAC Logic Developer software and PACSystems Controllers.

PRE-REQUISITES

Participants should be comfortable operating in a Microsoft Windows environment, and have a basic understanding of electrical/control fundamentals.

To enrol, please call 1300 556 601, or register via our training page: ipd.com.au/Automation-Training.



3 days
9:00 am to 4:00 pm (approx.)



\$2,690 ex. per person



Onsite at IPD

OBJECTIVES

Learn programming for PACSystems, 90/70, 90/30, and VersaMax controllers in this Machine Edition class featuring the PACSystems RX3i Controller. This class covers programming techniques and the advanced features of the PACSystems Controller using Logic Developer Controller Machine Edition software. Starting with the controller software architecture, students are taught how to effectively develop control applications using building block concepts. This course builds upon Object-Oriented concepts with PACSystems User-Defined Function Blocks (UDFBs), as well as the development of application components using Ladder Diagram (LD) and Function Block Diagram (FBD) programming languages.



COURSE CONTENT

Upon completion of this course, the student will be able to:

- Describe Control System Architecture & Operational Fundamentals
- Operate PAC Machine Edition
- Establish and Utilise Communications to the Controller
- Configure a Controller and its associated hardware modules
- Effectively use and create Controller Variables
- Create Projects in Ladder Diagram (LD), Function Block Diagram (FBD), and Structured Text (ST)
- Understand and program Arithmetic, Timer, Counter, and Move operations
- Utilise programming guidelines for developing robust control applications
- Use User Defined Function Blocks (UDFBs) to build structured applications
- Effectively use the Machine Edition Tool chest as a repository for Application Building Blocks
- Create, Monitor, and Modify running Controller applications

OTHER COURSES

- **Emerson Controller Maintenance 7700**
- **Proficy Process Systems Fundamentals 7703**
- **Movicon.NExT Fundamentals 7704**
- **Movicon.NExT Advanced 7705**
- **Emerson Advanced Controller Programming 7707**

NB: Minimum class number must be attained before classes can commence and cancellation fees may apply within 14 days of the course date.

Enrol in valuable Emerson training today.