Learn how to setup, configure, and program the Allen-Bradley ControlLogix Family of Programmable Automation Controllers in PAC Basics

PAC Basics is designed for those students who are already familiar with PLCs, and would like to learn how to setup, program, and troubleshoot the ControlLogix family of Programmable Automation Controllers (PACs) using RSLogix 5000 and Studio 5000.

What students will learn:

- Understanding the overall design of ControlLogix system and components
- How to configure a system’s Controllers, I/O, and Communications Modules
- How to setup Ethernet, Serial DF1, and USB drivers in RSLinx Classic
- The difference between RSLogix 5000 and Studio 5000
- How to setup, configure, and edit RSLogix and Studio 5000 projects
- How to add, edit, and test Local, Ethernet, and ControlNet I/O
- Understanding Controller and Program tags
- How to create and edit Tags and Aliases
- How to setup, configure and edit Tasks, Programs, Routines
- Understanding how Ladder Logic differs in ControlLogix compared to A-B PLCs & SLCs
- How to create, test, run, and troubleshoot Ladder Diagram Routines
- How Function Block (FBD) Routines work
- Create a Machine Runtime FBD Routine
- Understanding Function Block Diagram Routines, and how they Execute
- How to create, test, run, and troubleshoot Function Block Diagram Routines
- How to create and use User Defined Data Types
- And many additional advanced topics in the Extended Edition

What students need to complete hands-on exercises:

- Windows 7, 8, or 10 PC with Ethernet or USB
- A CompactLogix or ControlLogix PAC with a communications port compatible with the student’s PC (Ethernet, USB, etc.)
- A version of RSLogix 5000 or Studio 5000 that is compatible with the student’s PC, and with the student’s CompactLogix or ControlLogix PAC

Course Editions (Note: Online courses include instructor support, completion certificate, and lifetime access)

- PAC Basics Standard Online Course (upgradable to extended online course) $119.99
- PAC Basics Extended Online Course (includes new 2019 lessons coming this fall) $349.99
- PAC Basics Extended DVD Course (includes new 2019 discs shipping this winter) $349.99

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The Automation School’s Group Enrollment Program

In 2018, The Automation School began offering a group enrollment to our business customers who needed to enroll multiple employees in one or more of our courses.

Employers who utilize group enrollment gain access to several benefits, including group discounts based on the number of students being enrolled.

Our group enrollment program also provides employers with the ability to monitor student progress using a “group progress webpage,” accessible by designated “group leaders.”

This webpage not only allows the tracking of student progress, but also provides individual quiz scores and overall completion status.

Access to this level of detail has been especially helpful to employers who incentivize their employees to successfully complete the courses they’re enrolled in.

And just like with standard enrollees, students enrolled through the group enrollment process have access to their courses for as long as they are employed by the company who enrolled them, as none of our courses come with any artificial deadlines or expiration dates.

So, if you’re considering enrolling three or more employees in courses at The Automation School, I invite you to reach out to us for a free group enrollment quote.

Sincerely,

Shawn Tierney,
Instructor and Founder, The Automation School

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Common “Group Enrollment” Questions

“**What do I need to provide you with in order to enroll a group of employees in online courses at The Automation School?”**

First, in order for us to provide you with a group enrollment quote, we’ll need to know how many students you want to enroll (minimum of three,) and which courses you wish to enroll them in. This information can be submitted to us using our Group Enrollment Inquiry Form [HERE](#).

Then when you place your group enrollment order, you’ll need to provide us with the name of each student as well as their company email address. If you wish to make use of the student tracking webpage, we’ll also need at least one group manager’s name and email address as well.

“**After enrolling a group of employees, if one of them leaves my department or our company can I pass that seat onto to a replacement?”**

Yes! As long as the original enrollee has not completed more than 25% of the course, we can pass the former enrollee’s seat on to a new employee totally free of charge!

“**How can I find out more about enrolling a group of my employees in online courses at The Automation School?”**

To get in contact with us about group enrollment, just fill out our short Group Enrollment Inquiry form [HERE](#), and we’ll typically get in touch with you within one business day!