



GE Intelligent Platforms

Course Number: 44A728312-625

PACSystems Programming

Course Length: 4 days, Tuesday – Friday

Tuition: \$2495 US

Standard Course Hours: 8:30 AM – 4:30 PM

Max. Enrollment: 10 Students

Extended Description:

The PACSystems Programming course familiarizes students with GE PACSystems Controller programming concepts and Proficy Machine Edition software. Starting with the PACSystems software architecture, students are taught how to effectively develop control applications using building block concepts. This course builds on Object-Oriented concepts with User-Defined Function Blocks (UDFBs), as well as the development of application components using Structured Text (ST) and Function Block Diagram (FBD) programming languages

Who should attend?

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

Are there any prerequisites?

Besides being comfortable operating Windows and Windows-based applications, the attendee should have prior knowledge and experience of control fundamentals. It is also necessary to have some experience working with Ladder Diagram programs as well as some familiarity with Proficy Logic Developer PLC.

What tasks will be taught in this class?

At the end of this course, the student will be able to:

- Describe the PACSystems Software Architecture
- Describe the RX3i PACSystems Controller Operation & Components
- Utilize the basic functions of Proficy Machine Edition Logic Developer PLC
- Create New Machine Edition Projects
- Configure and work with RX3i PACSystems Controllers
- Utilize programming guidelines for developing robust control applications
- Understand and effectively use the different types of PACSystems Variables
- Use UDFBs to build structured applications
- Effectively use the Machine Edition Toolchest as a repository for Application Building Blocks
- Create, Monitor, and Modify running PACSystems applications
- Develop application components using Structured Text Programming
- Develop application components using Function Block Diagram Programming
- Create application using Application Building Blocks previously developed in the course

Training Registration

To register: Call **Industrial Systems, LLC** 503-262-0367 or Fax 503-262-0371:

Student Name			
Company			
Address			
City/State/Zip	City:	State:	Zip Code
Contact Name			
Phone / Fax / E-Mail	Phone:	Fax (Required):	E-mail:
Course # and Title	44A728312-625	/ PACSystems Programming	
Course Date			

**PAYMENT: (COURSE PRICES AND DATES SUBJECT TO CHANGE.)
Must be received via Original Purchase Order with this registration.**

PO NUMBER: _____ **CHECK NUMBER** _____ is enclosed.

FOREIGN STUDENTS: Due to government regulations, an Export License may be required for Non-U.S. citizens attending certain courses. Please indicate country of citizenship if other than U.S. or Canada: _____

CANCELLATION: Upon confirmation of enrollment, cancellation fees of 50% may apply for cancellations made within two weeks of class. No refunds will be issued for students failing to attend class without prior notice.

FAX TO 503-262-0371 OR MAIL TO:

**Industrial Systems, LLC
4110 NE 122ND STREET – SUITE 130
PORTLAND, OREGON 97230**

CUSTOM REQUESTS: Custom classes can be arranged for any of the offered classes to be held at the customer site. Classes can be tailored to accommodate almost any need of the customer, including class combinations and long-term training. For information on scheduling a custom class:
Call 503-262-0367