



Ron Beaufort Training, LLC

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Hands-On Technical Workshops

by Ron Beaufort

Course Specifications: **W2140**

Programming Skills for Logix-Platform Controllers Using RSLogix5000 Software

This **five-day, hands-on** course is custom-designed for Acme, Inc. to:

- cover the skills required to troubleshoot and modify applications for Allen-Bradley Logix-Platform controllers consistent with the layout and complexity of the existing Slicer.ACD and Roller.ACD projects currently in use at the Acme plant at Anytown, AS

The course material will be presented through hands-on exercises and demonstrations in a student-directed format. Primary focus will be placed on specific topics and subjects of interest and value to the students along the following lines:

- Programming, troubleshooting, and debugging techniques involved in Logix-Platform projects based on Relay Ladder Logic, Structured Text, Function Block Diagram, and Sequential Function Chart programming methods using RSLogix5000 software Version 13
- Basic concepts of the PID instruction as currently implemented in the customer's existing applications

This course will be conducted using the **Problem/Solution** method of instruction. There are absolutely no transparency projectors and no PowerPoint slide shows involved. Instead, all of the course material is presented through a series of hands-on exercises and programming projects which each student performs on **real-world equipment**. By working through the same types of tasks which are commonly encountered in the field, students not only master the material more rapidly but also improve their **problem-solving** skills and develop the **confidence** required to apply their new abilities on the job. Most students, particularly those with a maintenance technician background, respond enthusiastically to the challenges of this dynamic style of instruction.

Students successfully completing this course will be awarded 4.0 Continuing Education units.

In order to provide each student with an **individual workstation** and with adequate instructor attention, the class size will be limited to two students. **Please note** that this five-day course covers a large amount of material and that most students will consider the pace to be quite demanding. This is not an entry-level class. It is **required** that students have the skills covered in our C1540 course or equivalent knowledge and experience.

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