

A-6200

ALLEN-BRADLEY ControlLogix Programmable Controllers/Level Two - Advanced Maintenance & Troubleshooting

Course Description	<p>This 36 hour training program provides students with hands-on experience using the advanced control and diagnostic capabilities of the Allen-Bradley ControlLogix Programmable Controller and the RSLogix5000 programming software package. Application troubleshooting exercises are used throughout the course to give students hands-on experience solving typical problems encountered in the factory.</p>
Topical Outline	<ul style="list-style-type: none">▪ Review of ControlLogix Hardware and Basic Concepts▪ Memory Organization Review▪ Addressing:<ul style="list-style-type: none">- Direct and Indirect▪ Instruction Familiarization<ul style="list-style-type: none">- File Arithmetic and Logic, File Search and Compare, Bit Shift and FIFO, Diagnostics, Sequencers in and out.▪ Communications<ul style="list-style-type: none">- Data Highway Plus Communications- Remote I/O Communications- ControlNet Communications- Ethernet Communications- Message Instruction▪ Overview<ul style="list-style-type: none">- PID Instruction
Program Software	<p>Training utilizes Rockwell Software RSLogix5000, Microsoft Windows NT, 2000 and XP Software.</p>
Prerequisites	<p>Students should have successfully completed Intellect Controls Group training program A-6000 or have knowledge equivalent to the course description and be familiar with Windows NT, 2000 or XP software. A-6200 IS NOT INTENDED FOR BASIC LEVEL ENTRY STUDENTS WHO HAVE NOT ACQUIRED THE BACKGROUND DESCRIBED ABOVE.</p>
Course Length	<p>36 hours</p>
CEU's	<p>3.3</p>
Objectives	<p>Persons successfully completing this course will be able to:</p> <ul style="list-style-type: none">▪ Troubleshoot programs utilizing all commonly used instructions of the ControlLogix Programmable Controller.▪ Effectively use an IBM compatible terminal for entering, editing, and troubleshooting programs.▪ Utilize the diagnostic capabilities of the ControlLogix system to aid in systems troubleshooting.▪ Utilize the remote I/O communications capabilities of the ControlLogix Controller.▪ Properly connect and establish communications over a Data Highway Plus & Ethernet networks.