

A-6300

ALLEN-BRADLEY ControlLogix Programmable Controllers/Level Three - Advanced Communications: DeviceNet, ControlNet & Ethernet

Course Description	This 36-hour class provides participants with hands-on experience in the troubleshooting and maintenance of the Allen-Bradley ControlNet, DeviceNet and EtherNet communications networks. Hardware and Software troubleshooting techniques are heavily emphasized throughout the course.
Topical Outline	<ul style="list-style-type: none">▪ Advanced ControlLogix▪ Instruction Review<ul style="list-style-type: none">- Base & Alias Tag Address▪ Instructions<ul style="list-style-type: none">- Array Instruction Concepts- File, Arithmetic and Logic▪ ControlNet Unscheduled Communications▪ ControlNet Scheduled Communications▪ RS Network Software▪ DeviceNet Communications<ul style="list-style-type: none">- Hardware- Addressing- Mapping- Node Commissioning▪ Ethernet Communications<ul style="list-style-type: none">- Hardware- Message Instruction
Program Software	Training is available utilizing Rockwell Software RS Logix 5000 and RS Network for DeviceNet and ControlNet.
Prerequisites	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 software. A-6200 is recommended, but not required. THIS IS NOT AN ENTRY LEVEL TRAINING PROGRAM.
Course Length	36 hours
CEU's	3.3
Objectives	Persons successfully completing this course will be able to: <ul style="list-style-type: none">▪ Identify Hardware components of three ControlLogix Communication Networks.▪ Establish communications and troubleshoot a DeviceNet Network▪ Establish communications and troubleshoot a ControlNet Network▪ Establish communications and troubleshoot an Ethernet Network▪ Work effectively with RS Network Software.