

A-520

ALLEN-BRADLEY PLC-5 Family Programmable Controllers/Level Two - Advanced Maintenance & Troubleshooting

Course Description	<p>This 32-hour training program allows students to gain hands-on experience using the advanced control & diagnostic capabilities of the PLC-5 programmable controller. Application troubleshooting exercises are used throughout the course to give students actual hands-on experience solving typical problems encountered in the factory.</p>
Topical Outline	<ul style="list-style-type: none">▪ Review of PLC-5 Hardware and Basic Concepts▪ Memory Organization Review▪ Addressing:<ul style="list-style-type: none">- Direct, Indirect, Indexed▪ Instruction Familiarization<ul style="list-style-type: none">- File Arithmetic Logical- File Search and Compare- Shift Registers- Sequencers- BTW and BTR with Analog Module Configuration▪ Communications<ul style="list-style-type: none">- Data Highway Plus Communications- Remote I/O Communications- Discreet Data Transfer- Block Transfer- Message Instruction▪ Overview<ul style="list-style-type: none">- SFC Overview (Upon Request)- PID Instructions▪ Peripheral Operations<ul style="list-style-type: none">- Program Loading- Program Printing
Programming Software	<p>Training is available utilizing Rockwell Software 6200 Series, AI Series, RSLogix5 and other software products.</p>
Prerequisites	<p>Students should have successfully completed Intellect Controls Group training program A-510 or have knowledge equivalent to the course description. A-520 IS NOT INTENDED FOR BASIC LEVEL ENTRY BY STUDENTS WHO HAVE NOT ACQUIRED THE BACKGROUND DESCRIBED ABOVE.</p>
Course Length	<p>32 hours</p>
CEU's	<p>3.0</p>
Objectives	<ul style="list-style-type: none">▪ Troubleshoot programs utilizing all available instructions of the PLC-5.▪ Effectively use an IBM compatible terminal for entering, editing, and troubleshooting programs.▪ Utilize the diagnostic capabilities of the PLC-5 system to aid in systems troubleshooting.▪ Utilize the remote I/O communications capabilities of the PLC-5.▪ Properly connect and establish communications over a Data Highway Plus network