

Studio 5000 Logix Designer Level 3: Basic Ladder Logic Interpretation

OEM: Rockwell Automation • Duration: 2 Days (16 hrs) • Code: CCCL21

COURSE MODULES & TOPICS

Prerequisites

- Completion of Studio 5000 Logix Designer Level 1: ControlLogix System Fundamentals course (CCP146) or equivalent experience
- Completion of Studio 5000 Logix Designer Level 2: ControlLogix Maintenance and Troubleshooting course (CCP153)

Student Materials

- Student Manual — includes the key concepts, definitions, examples, and activities presented in this course
- Lab Book — provides learning activities and hands-on practice Solutions are included after each lesson for immediate feedback
- Studio 5000 Logix Designer and Logix5000 Procedures Guide — provides the steps required to complete basic software tasks that are common to all Logix5000 hardware platforms

Next Level Learning

- Motion Control Fundamentals course (CCN130)

Course Agenda

Day 1

- Reviewing Basic Ladder Logic
- Interpreting Timer and Counter Instructions
- Interpreting Program Control Instructions
- Interpreting Compare Instructions
- Interpreting Move Instructions

Day 2

- Interpreting Math Instructions
- Interpreting Expression Handling Instructions
- Interpreting Copy and File Fill Instructions
- Integrated Practice: Interpreting Ladder Logic Instructions