

A-6140

ControlLogix RS-5000 Sequential Function Chart

Course Description	This 16-hour training program will enable a student to create, enter, and troubleshoot a Sequential Function Chart. Topics covered include Sequential Chart Layout, Entering and an SFC, and Troubleshooting an SFC.
Topical Outline	Components covered include: <ul style="list-style-type: none">• Definition of a Sequential Function Chart• Sequential Function Chart Routines in ControlLogix• SFC Steps• SFC Actions• SFC Transitions<ul style="list-style-type: none">- SFC Step, Action & Transition Exercise• SFC Selective Branches• SFC Simultaneous Branches<ul style="list-style-type: none">- SFC Branch Exercise• SFC Features including Stopping, Pausing and Restarting SFC<ul style="list-style-type: none">- SFC Stopping, Pausing and Restarting Exercise• SFC Troubleshooting• SFC Forcing<ul style="list-style-type: none">- SFC Troubleshooting & Forcing Exercise• SFC Software Utilities
Programming Software	Training utilizes Rockwell Software RSLogix5000, Microsoft Windows NT, 2000 and XP Software.
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, 2000 or XP software. Training program A-6130: Structured Text course would be helpful but not required.
Course Length	2 days/16 hours
CEU's	1.4

Continued on next page

A-6140

ControlLogix RS-5000 Sequential Function Chart

Objectives

Persons successfully completing this course will be able to:

- Design a simple SFC based on equipment sequence of operation.
- Enter a simple SFC
- Troubleshoot equipment controlled by an SFC by locating the active step, and active action and then the transition condition preventing the sequence from advancing to the next step.