



Toyopuc Advanced Course Description and Objectives

1. Sequential Function Chart
 - a. What is It?
 - b. Definitions
 - c. How SFC works with Ladder Logic
 - d. SFC Components
 - i. Initial Step
 - ii. Transition
 - iii. Step
 - iv. Selective Branch
 - v. Parallel Branch
 - vi. Parallel Branch Confluence
 - vii. Selective Branch Confluence
 - viii. Dummy Step
 - ix. Jump
 - x. Sub-SFC Start
 - xi. Sub-SFC Return
 - xii. Monitoring Processes
 - xiii. Operational Commands
 - e. Special Conditions
 - f. Troubleshooting SFC
 - g. Entering SFC data with PCwin

2. Function Blocks (FB)
 - a. What is it?
 - b. FB Advantages
 - c. FB Internal Logic
 - d. General Rules
 - e. FB Libraries
 - f. LD vs FB
 - g. FB Process Standard
 - h. Control SFC with FB
 - i. FB Control Signals
 - j. SFC Process Controller

3. Review