

CATEGORY	BASIC	INTERMEDIATE	ADVANCED
Electrical	AC/DC Electrical Systems (990-ACDC1) Basic Wiring (950-ELF1) Electrical Relay Control (990-EC1) Rotating Machines 1 (85-MT2)	Electrical Motor Control 1 (85-MT5) Rotating Machines 2 (85-MT2) Electrical Control Wiring (85-MT6) Electrical Motor Control 2 (85-MT5.A-F) Power & Control Electronics (T7018)	Power Distribution (85-MT7-B) AC Electronic Drives (85-MT101) DC Electronic Drives (85-MT102) Motion Control (890-MCSE1 & 2)
Electronics	Programmable Controllers (Allen Bradley 890-AB5500 or 990-AB53F) (Siemens 890-S7300 or 990-S712F)	PLCs (990-AB53F & 990-S712F) ControlNet (89-CN-AB5500) Data Highway Ethernet (89-EN-AB5500) Profibus (89-DP-S7300) PLC Analog Control (89-AS) PLC Process Control (89-PC-AB5500)	PLCs (990-AB53F & 990-S712F) Device Level Networks (89-ASI-S7, 89-RIO-AB5500, 89-RIO-S7) PLC Operator Interface (89-HMI-S7-A, 89-PVAB5500)
Process Control	Level & Flow Process Control (T5552)	Thermal Process Control (T5553) (Data Acquisition) (T5553-R1A) Analytical Process Control (T5554) Pressure Process Control (T5555)	
Thermal		Steam Systems (950-SH1)	
Fluid Power	Basic Hydraulics (850-H1) Basic Pneumatics (850-P1)	Intermediate Hydraulics (85-IH) Electro-Fluid Power (85-EH) Electronic Sensors (85-SN1) Intermediate Pneumatics (85-IP) Pneumatic Fitting Construction (84-PFC-1)	Advanced Hydraulics (85-AH) Hydraulic Troubleshooting (850-HT1) Piping Fabrication (950-PS1) Advanced Pneumatics (85-AP) Pneumatic Troubleshooting (950-PT1)
Mechanical	Mechanical Fabrication (950-MPF1) Mechanical Drives 1 (950-ME1)	Mechanical Drives 2 (95-ME2) Vibration Analysis (95-ME5A1) Rigging 1 (950-RG1) Mechanical Drives 3 (95-ME3) Laser Alignment (95-ME2A) Central Lubrication (950-CL1)	Rigging 2 (95-RG2) Mechanical Drives 4 (95-ME4) Conveyors (94-ME4-D & E) Machine Tool Axis (95-ME4-A & B) Centrifugal Pumps (950-PM1) Multiple Stage Pumps (95-PM1-A) Non-Hydraulic Pumps (95-PM1 B-H)
Manufacturing Processes/ Quality Assurance	Metrology (910-QC3) Precision Gauging (990-PG1) Print Reading (950-PR1)		CNC Machine Operator (950-MO1) CNC Machine Tools (95 CNC Series) Manual Machine Tools (95-MP1)
Safety	Safety Practices and Regulations (SA101) Personal Protective Equipment (SA102) Hazardous Communication (SA103) Confined Spaces (SA104) Lockout/Tagout (SA105) Accident Response (SA106)	Overhead Crane Safety (SA206)	
Workplace Effectiveness	Mathematics (MA101) Principles of Advanced Manufacturing (AM101) Communication Skills (PD101) Conflict Resolution (PD102) Working in Groups (PD103)		Trigonometry (MA304)