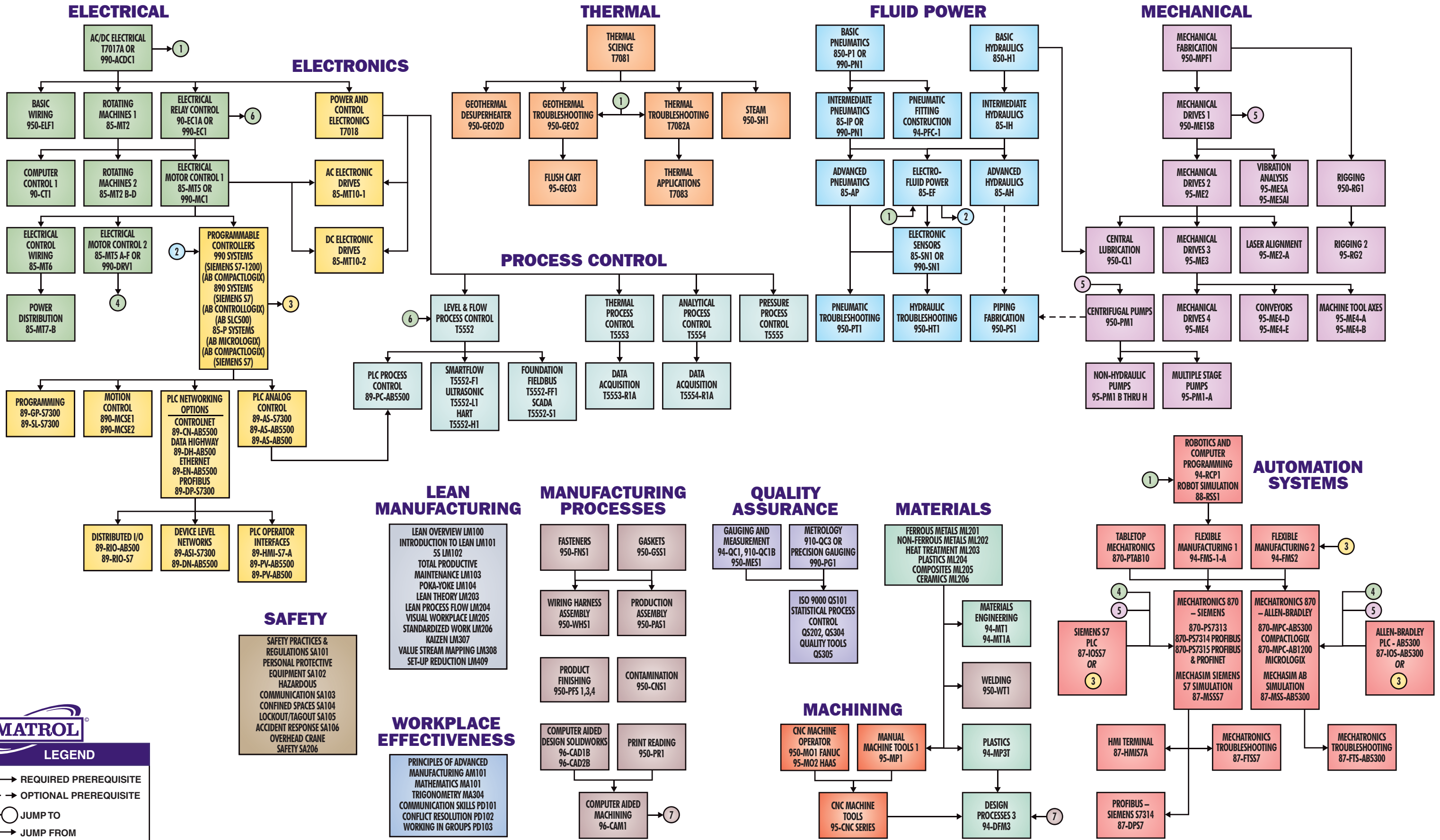


ADVANCED MANUFACTURING SKILLS



AMATROL

LEGEND

- REQUIRED PREREQUISITE
- - - OPTIONAL PREREQUISITE
- JUMP TO
- JUMP FROM

ELECTRICAL

AC/DC Electrical Learning System – T7017A

Portable AC/DC Electrical Learning System – 990-ACDC1

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ELECTRICAL

Electric Relay Control Unit – 90-EC1A

Portable Electric Relay Control Learning System – 990-EC1

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ELECTRICAL

DC Generators Learning System – 85-MT2-B

Alternators/Synchronous Motors Learning System – 85-MT2-C

Wound Rotor Motor Learning System – 85-MT2-D

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ELECTRICAL

Electric Motor Control Learning System – 85-MT5

Portable Motor Control Learning System – 990-MC1

Portable Motor Control Troubleshooting Learning System – 990-MC1F

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ELECTRICAL

Motor Braking Learning System – 85-MT5-A

Reduced Voltage Starting Learning System – 85-MT5-B

Variable Frequency AC Drive Learning System – 85-MT5-C

Electronic Sensors Learning System – 85-MT5-D

Electronic Counter Learning System – 85-MT5-E

SCR Speed Control Learning System – 85-MT5-F

Portable AC Motor Drive Learning System – 990-DRV1

Portable AC Motor Drive Troubleshooting Learning System – 990-DRV1F

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ELECTRONICS

Portable PLC Learning System Siemens S7-1200 – 990-PS712

Portable PLC Troubleshooting Learning System – Siemens S7-1200 – 990-PS712F

Portable PLC Learning System (Allen-Bradley ControlLogix 5300) - 990-PAB53

**Portable PLC Troubleshooting Learning System
(Allen-Bradley CompactLogix) – 990-PAB53F**

Programmable Controller Troubleshooting Learning System – 890-PECB

PLC Troubleshooting Learning System-Siemens S7312 – 890-S7312B

PLC Troubleshooting Learning System-Siemens S7315 – 890-S7315-B

Allen Bradley Control Logix PLC System – 890-AB5500

Allen Bradley SLC503 PLC Troubleshooting Learning System – 890-AB503B

Programmable Controller Learning System – 85-P-AB1000

Programmable Controller Learning System – 85-P-AB503

Programmable Controller Learning System – 85-P-AB5300

Programmable Controllers Siemens S7 – 85-P-S7

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ELECTRONICS

PLC Graph Programming Learning System – 89-GP-S7300
89-SL-S7300 (Under Construction)

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ELECTRONICS

Motion Control Learning System 1-Axis – 890-MCSE1

Motion Control Learning System 2-Axis – 890-MCSE2

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ELECTRONICS

PLC ControlNet Learning System – 89-CN-AB5500

SLC500 Data Highway DH-485 Unit (for SLC5/02) – 89-DH-AB500

PLC EtherNet Learning System for ControlLogix – 89-EN-AB5500

PLC Profibus Learning System – Siemens S7 – 89-DP-S7300

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ELECTRONICS

PLC Analog Learning System – Siemens S7300 – 89-AS-S7300

PLC Analog Learning System – 89-AS-AB5500

89-AS-AB500 (Under Construction)

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ELECTRONICS

PLC Distributed I/O Learning System – 89-RIO-AB500

PLC Distributed I/O Learning System – 89-RIO-S7

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ELECTRONICS

PLC ASI Bus Learning System – Siemens S7300 – 89-ASI-S7300

PLC Devicenet Learning System – Control Logix – 89-DN-AB5500

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ELECTRONICS

PLC Touch Screen Learning System – TP270 – 89-HMI-S7-A

PanelView Plus Learning System – Allen Bradley ControlLogix – 89-PV-AB5500

PanelView Operator Learning System – SLC500 – 89-PV-AB500

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PROCESS CONTROL

Smart Flow Transmitter Learning System – T5552-F1
Ultrasonic Liquid Level Learning System – T5552-L1
HART Process Control 1 Learning System – T5552-H1

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PROCESS CONTROL

**Foundation Fieldbus Process Control 1 Learning System – T5552-FF1
T5552-S1 (Under Construction)**

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SAFETY

Safety Practices & Regulations Multimedia – SA101

Personal Protective Equipment (PPE) Multimedia – SA102

Hazardous Communication Multimedia – SA103

Confined Spaces Multimedia – SA104

Lockout / Tagout Multimedia – SA105

Accident Response Multimedia – SA106

Overhead Crane Safety Multimedia – SA206

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LEAN MANUFACTURING

Lean Overview and Workplace Multimedia – LM100

Introduction to Lean Multimedia – LM101

5s- Sort, Straighten, Shine, Standardize, Sustain Multimedia – LM102

Total Productive Maintenance Multimedia – LM103

Lean Theory Multimedia – LM203

Lean Process Flow Multimedia – LM204

Visual Workplace Multimedia – LM205

Standardized Work Multimedia – LM206

Kaizen Multimedia – LM307

Value Stream Mapping Multimedia – LM308

Set-Up Reduction Multimedia – LM409

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WORKPLACE EFFECTIVENESS

Communication Skills Multimedia – PD101

Conflict Resolution Multimedia – PD102

Working in Groups Multimedia – PD103

Principles of Advanced Manufacturing Multimedia – AM101

Mathmatics 1 Multimedia – MA101

Trigonometry 1 Multimedia – MA304

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MANUFACTURING PROCESSES

Computer Aided Design 1 – SolidWorks – 96-CAD1B

Computer Aided Design 2 – SolidWorks – 96-CAD2B

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FLUID POWER

Basic Pneumatics Learning System – 850-P1

Portable Pneumatics Learning System – 990-PN1

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FLUID POWER

Intermediate Pneumatics Learning System – 85-IP
Portable Pneumatics Learning System – 990-PN1

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FLUID POWER

Electronic Sensors Learning System – 85-SN1

Portable Pneumatics Learning System – 990-PN1

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MECHANICAL

Vibration Analysis Learning System – 95-ME5A
Vibration Analysis Learning System – 95-ME5AI

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MECHANICAL

Floor-Standing Belt Conveyor Learning System – 95-ME4-D
Machine Tool Chip Conveyor Learning System – 95-ME4-E

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MECHANICAL

Roller-Pack Machine Tool Axis Learning System – 95-ME4-A

Plain Bearing Machine Tool Axis Learning System – 95-ME4-B

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MECHANICAL

Turbine Pump Learning System – 95-PM1-B

Diaphragm Pump Learning System – 95-PM1-C

Peristaltic Pump Learning System – 95-PM1-D

Piston Pump Learning System – 95-PM1-E

Gear Pump Learning System – 95-PM1-F

Magnetic Pump Learning System – 95-PM1-G

Centrifugal Pump with Stuffing Box Learning System – 95-PM1-H

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QUALITY ASSURANCE

94-QC1 (Under Construction)

910-QCB (Under Construction)

950-MES1 (Under Construction)

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QUALITY ASSURANCE

Metrology Learning System – 910-QC3
Portable Precision Gauging – 990-PG1

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QUALITY ASSURANCE

SO 9000 and TS 16949 Multimedia – QS101

Statistical Process Control 1 Multimedia – QS202

Statistical Process Control 2 Multimedia – QS304

Quality Tools Multimedia – QS305

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MATERIALS

Principles of Materials – Ferrous Metals Multimedia – ML201

Principles of Materials – Non-Ferrous Metals Multimedia – ML202

Principles of Heat Treatment Multimedia – ML203

Principles of Plastics Multimedia – ML204

Principles of Composites Multimedia – ML205

Principles of Ceramics Multimedia – ML206

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MATERIALS

Materials Engineering 1 Learning System – 94-MT1 94-MT1A (Under Construction)

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MACHINING

CNC Machine Operator – Classroom Install – 950-MO1
CNC Machine Operator (HAAS) – 95-MO2 HAAS

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MACHINING

CNC Machine Tools Learning System (VMC1300) – 95-CNC1-J
CNC Machines 1 Learning System – 96-CNC1D

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AUTOMATION SYSTEMS

Robotics & Computer Programming 1 Learning System – 94-RCP-1-A
Pegasus Robotics Simulation Learning System – 88-RSS1

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AUTOMATION SYSTEMS

PLC Learning System (Siemens S7) – 87-IOS-S7
Flexible Manufacturing 2 – 94-FMS2

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AUTOMATION SYSTEMS

Mechatronics Learning System for Siemens S7-300 – 870-MPC-S7313

Mechatronics Learning System for Siemens S7-300 with Profibus – 870-PS7314

**Mechatronics Learning System for Siemens S7-300
with Profibus and Profinet – 870-PS7315**

MechaSIM Mechatronics Simulation Learning System – Siemens S7 – 87-MSSS7

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AUTOMATION SYSTEMS

Mechatronics Learning System for AB Compact Logix – 870-MPC-AB5300

Mechatronics Learning System for AB MicroLogix – 870-MPC-AB1200

MechaSIM Mechatronics Simulation Learning System – AB5300 – 87-MSS-AB5300

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AUTOMATION SYSTEMS

PLC Learning System (Allen-Bradley CompactLogix 5300) – 87-10S-AB5300
Flexible Manufacturing 2 – 94-FMS2

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