

## AMTEC Modules

### **AMT 100: Computer Literacy**

AMT 1001: Orientation to Computer Systems  
AMT 1002: Operating Systems  
AMT 1003: Computer Applications  
AMT 1004: Internet/Intranet

### **AMT 101: Fluid Power and Electrohydraulics/ Pneumatics**

AMT 1011: Fundamentals of Fluid Power & Electrohydraulics/Pneumatics  
AMT 1012: Flow, Directional, Pressure Control Valves  
AMT 1013: Pumps, Actuators, & Accumulators  
AMT 1014: Reservoirs, Fluids, & Filters  
AMT 1015: Hose, Piping, & Tubing  
AMT 1016: Electrohydraulics/Pneumatics  
AMT 1017: Systems and System Troubleshooting

### **AMT 102: General PM and Predictive Maintenance**

AMT 1021: Basic PM  
AMT 1022: Advanced Technologies

### **AMT 103s: PLC (Siemens)**

AMT 1031s: Introduction to Siemens PLC's  
AMT 1032s: Siemens Hardware and Software (I/O)  
AMT 1033s: Programming Siemens PLC's  
AMT 1034s: Siemens PLC Communication

### **AMT 103ab: PLC (Allen-Bradley/Rockwell)**

AMT 1031ab: Introduction to Allen-Bradley PLC's  
AMT 1032ab: Allen-Bradley Hardware & Software  
AMT 1033ab: Programming Allen-Bradley PLC's  
AMT 1034ab: Allen-Bradley PLC Communication

### **AMT 104: Blueprint Reading/Schematics**

AMT 1041: Drafting Fundamentals  
AMT 1042: Orthographic Interpretation

### **AMT 106: Controls & Instrumentation**

AMT 1061: Fundamentals  
AMT 1062: Sensors & Photoeyes  
AMT 1063: Calibration and Loop Tuning  
AMT 1064: Final Control Elements

### **AMT 107: Basic Electricity & Electronics**

AMT 1071: Introduction to Basic Electricity  
AMT 1072: Instruments  
AMT 1073: Components & Circuits  
AMT 1074: Solid State Devices

### **AMT 108: Mechanical Systems/Mechanical Drives/ Power Transmissions**

AMT 1081: Basic Mechanical Power Transmission  
AMT 1082: Flexible Drives  
AMT 1083: Couplings and Alignment  
AMT 1084: Bearings, Shafts, & Seals  
AMT 1085: Brakes & Clutches  
AMT 1086: Gears & Cams

### **AMT 109: Safety**

AMT 1091: Basic OSHA Safety  
AMT 1092: Hoists & Cranes  
AMT 1093: Rigging Awareness & Fundamentals  
AMT 1094: First Aid, CPR, & AED

### **AMT 120: Machine Tool Operations**

AMT 1201: Introduction to Machining Operations  
AMT 1202: Measuring & Layout Tools  
AMT 1203: Hand & Power Tools  
AMT 1204: Saws  
AMT 1205: Drill Press  
AMT 1206: Turning  
AMT 1207: Milling