

Advanced Manufacturing Technician

Potential Roles:

- Build, assemble, or set up production machinery
- Maintenance
- Service

Skills and Knowledge:

Technology

- Set up, troubleshoot and repair mechanics, pneumatics and hydraulics, incl. reading technical diagrams and schematics
- Understand and repair motors and drives
- Choose or develop correct test procedures and use quality management systems
- Use CNC machinery
- Understand properties of different materials and how they affect production processes
- Select and perform correct joining technology, e.g. welding, brazing
- Install and configure programs for hardware and software components
- Basic mechatronics
- Basic PLCs

Methodology

- Work systematically (Plan-Do-Check-Act)
- Analyze problems for effective troubleshooting
- Understand the importance of correct documentation
- Work safely, understand appropriate precautions and use PPE correctly
- Estimate manufacturing costs based on machine cost, material costs and labor costs
- Communicate effectively

Each ICATT Network Company can choose where to expand upon the above, e.g. advanced PLCs, process technology, advanced circuit design, etc.

Quality control:

Comprehensive testing after year 2 and 3 ensures ICATT Network Companies that our apprentices have acquired the skills needed to become well-rounded, flexible experts in their field.

Contact ICATT Apprenticeship Program to learn more:

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