

CNC Machining Professional

Potential Roles:

- Program CNC machines and production systems to machine high quality parts
- Set up machines and systems, conduct test runs
- Maintain and inspect machine tools
- Tool and die*

Skills and Knowledge:

Technology

- Program and operate numerically controlled machine tools
- Use precision machining tools to produce components
- Analyze and prepare drawings
- Identify technological and geometric data and apply according to company specifics
- Understand properties of different materials and how they affect production processes
- Plan and organize computer-aided production
- Plan, monitor and improve production processes in series manufacturing

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 metrology, Swiss machining 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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*with additional coursework and training