

Machining Technician ST1305



Level 3



42 Months



3 Months

Assessment Methods



Practical demonstration with questions



Interview underpinned by a portfolio of evidence



Knowledge test

Gateway Requirements

- Level 2 English and Mathematics in line with apprenticeship funding rules
- Portfolio of evidence and mapping document
- The apprentice must also pass one of the following mandated qualifications:
 - EAL L3 Extended diploma in Machining (Development Knowledge)
 - Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Machining) (Development Technical Knowledge)
 - City and Guilds Machining technician (1273)
- Gateway and EPA Planning Form
- Site Health & Safety and Risk Assessment Form

Occupational Profile

The broad purpose of the occupation is to produce complex and precision work by machining components. Components are machined from metal or specialist materials using conventional or CNC machine tools. Machining Technicians interpret information and plan their activities. They also set up, operate and adjust machine tool settings. When using CNC equipment, they can produce, prove and validate programs. They inspect components and machinery, report issues and support continuous improvement activities. They typically work in a manufacturing environment. Depending on the organisation, they may be required to work at height or work shifts.

Grading

The standard is graded overall: Fail, Pass, Merit or Distinction

End Point Assessment

Practical demonstration with questions

The Independent Assessor will observe the apprentice completing a task or series of tasks in a simulated environment for example, a training provider's premises, a training facility in the employer's premises, a test centre or a similar simulated environment. The Independent Assessor must ask at least 5 questions and questions must be asked after the practical assessment. Therefore, the total time for the practical element is 4 hours and the time allocated for questioning is 30 minutes.

Interview underpinned by a portfolio of evidence

The interview will be supported by a mandatory portfolio of evidence completed by the apprentice on programme. The portfolio itself is not assessed but will be used by the assessor to prepare the questioning for the interview. The Independent Assessor must ask the apprentice 10 questions, and the professional discussion will last 60 minutes (+10%)

Knowledge test

Apprentices will have 60 minutes to complete the test which will consist of 30 multiple choice questions.

[Click here to view the Machining Technician assessment plan](#)