



PIABC LEVEL 2 NVQ DIPLOMA IN FURNITURE AND WOOD PROCESSING – CNC MACHINING (Qualification Number: 601/4043/4)

This qualification has a credit value of EIGHTY SEVEN.

Statement of Purpose

What does this qualification cover?

The primary purpose of the qualification is to enable individuals to demonstrate trade specific competence and knowledge appropriate for the day to day activities in a manufacturing environment using wood and wood-based materials to create products and components. Specific products may include, for example: furniture for domestic, commercial and industrial use and other items for the engineered wood and construction sectors.

The PIABC Level 2 NVQ Diploma in Furniture and Wood Processing - CNC Machining is a national qualification consisting of mandatory and optional units. The mandatory units cover health and safety, effectiveness, Setting and operating CNC woodworking machines, mechatronics, sustainability, preparation of tools, problem solving and the principles of mechanical engineering. Individuals choose units that match their job role which may be about marking out, tooling or using machinery, maintenance or continuous improvement. These job-specific units confirm both skills competence and the necessary related job knowledge.

By the end of the qualification, the learner should be competent in the job role and have a good understanding of the related job knowledge associated with the role - including terminology, materials, machinery, equipment and processes.

Size of qualification

87 credits: 67 credits from the mandatory units plus 20 from the job specific units

Who is this qualification designed for?

This qualification has been developed with employer's advice. Typically, this qualification will suit the following employees:

1. People recently employed in the industry who want to gain a sound foundation to the material, machinery and equipment that are central to the manufacturing process, to enable them to operate more effectively. Including Apprentices.
2. People who have been in the industry for some time who want to extend their knowledge and/or gain a recognised qualification.

There is no necessity for any formal entry requirement to this qualification beyond the basic literacy and numeracy expected from anyone entering the wood industry. There are no age restrictions for this qualification

Will the qualification support progression to further learning?

Success in this qualification will confirm competence and improve confidence. A PIABC Level 3 in Wood Machining is available and a PIABC Level 3 in CNC machinery is planned.

Careers

Examples of potential opportunities in the industry may include positions in health and safety, quality control, estimating and project management.

Qualification structure

87 Credits are required: 67 credits from the mandatory group plus a minimum 20 credits from the optional group.

Mandatory Units all units to be taken				
Ref	Title	Level	Credit	GLH
F/503/8136	Make sure your own actions reduce the risks to health and safety	2	6	27
F/503/5995	Contribute to the effectiveness of work in a commercial setting	2	5	30
H/506/6219	Set and operate CNC woodworking machines	2	12	60
T/503/0339	Principle of mechanical manufacturing engineering	3	9	80
Y/506/6220	Mechatronics systems principles and fault finding	3	9	80
M/506/6188	Operate computer numerically controlled (CNC) machinery and equipment	2	10	50
M/506/6028	Contribute to sustainable business practice	3	3	10
D/506/6221	Prepare tools and equipment	2	5	20
D/506/6235	Problem solving and fault diagnosis in furniture processing operations	2	8	34
Optional Units - 20 credits units to be taken				
D/506/6218	Applying total productive maintenance (TPM)	3	15	54
A/506/6243	Contributing to the application of continuous improvement techniques - Kaizen	2	14	55
J/506/6195	Produce and maintain woodmachining tooling for furniture and related products	2	11	42
L/506/6196	Apply edge treatment finishes to wood and wood based furniture and related products	2	10	17
J/506/6200	Mark out from setting out details for routine wood products	2	12	42
R/506/6202	Manufacture routine wood products	2	11	42
Y/506/6203	Wood machinery and equipment maintenance	2	16	44
T/506/6208	Provide advice and guidance on the selection and application of wood and wood based materials	2	10	32
R/600/0260	Properties and Applications of Engineering Materials	3	10	60

For more information and the specification on this qualification, please contact PIABC (piabc@iom3.org).