

CERTIFICATION IN CAPITAL GOODS

COURSE OF CNC OPERATOR TURNING

(CSQ/Q0115)



Industry overview

Capital Goods Sector comprises of plant and machinery, equipment / accessories required for manufacture / production, either directly or indirectly, of goods or for rendering services, including those required for replacement, modernization, technological up gradation and expansion. It also includes packaging machinery and equipment, refrigeration equipment, power generating sets, equipment and instruments for testing, research and development, quality and pollution control.

1. Machine Tools
2. Process Plant Machinery
3. Dies, Moulds and Press Tools
4. Electrical and Power Machinery
5. Plastics Manufacturing Machinery
6. Light Engineering Goods
7. Textile Manufacturing Machinery

About the program This program covers the operations of Computer Numerically Controlled (CNC) lathe machines in order to perform turning operations on metal and plastic components, as per specifications provided. It does not include machine setting or programming. This involves removal of material from a rotating cylindrical work-piece. Further program also have knowledge and practices relating to health, safety and security that candidates need to use in the workplace which includes responsibilities towards self, others, assets and the environment. This Modules related to basic etiquette and competencies that a candidate is required to possess and demonstrate in their behaviour and interactions with others at the workplace which cover areas such as communication etiquette, discipline, listening etc. are also part of the training programme.



Who should attend it?

Minimum Educational Qualifications : Class 10TH

Course Duration

400Hrs

Career Opportunities

CNC operators have good career opportunities in all the major sub sectors of the Capital Goods sector.

1. Machine Tools - Companies like Godrej & Boyce Manufacturing Co. Ltd., Hindustan Machine Tools etc.
2. Process Plant Machinery – Companies like Thermax Ltd., L & T, etc.
3. Dies, Moulds and Press Tools – Companies like National Dies & Moulds, Vasantha Tool Crafts (P) Ltd, etc.
4. Electrical and Power Machinery – Companies like BHEL, ABB Ltd., etc.
5. Plastics Manufacturing Machinery – Companies like Windsor Machines Limited, Milacron, etc.
6. Light Engineering Goods – Companies like Lakshmi Precision Machining Centre, Shanthi Gears Ltd (SGL) etc.
7. Textile Manufacturing Machinery - Companies like Kirloskar Toyota Textile Machinery Pvt. Ltd., Rieter India Pvt. Ltd. Etc.

Apart from that, CNC Operators are also being hired by Automobile & Auto Components sector, Iron & Steel sector, Shipyard & Ship Building Sector, other Engineering Manufacturing sector and Skill Training Institutes.

CERTIFICATION IN CAPITAL GOODS

COURSE OF FITTER ELECTRICAL & ELECTRONICS ASSEMBLY

(CSQ/Q0402)

Industry overview

Capital Goods Sector comprises of plant and machinery, equipment / accessories required for manufacture / production, either directly or indirectly, of goods or for rendering services, including those required for replacement, modernization, technological up gradation and expansion. It also includes packaging machinery and equipment, refrigeration equipment, power generating sets, equipment and instruments for testing, research and development, quality and pollution control.

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|----------------------------------|------------------------------------|
| 1.Machine Tools | 5.Plastics Manufacturing Machinery |
| 2.Process Plant Machinery | 6.Light Engineering Goods |
| 3.Dies, Moulds and Press Tools | 7.Textile Manufacturing Machinery |
| 4.Electrical and Power Machinery | |

About the program This program aims at training candidates for the job of a “Fitter-Electrical and Electronic Assembly”, in the “Capital Goods” Sector. The modules related to skills and knowledge needed to assemble and wire up electrical products, inclusive of components, sub-assemblies, or completed equipment/systems mounted in enclosures or otherwise to mechanical equipment, in accordance with approved procedures are included in the trainings. Further knowledge and practices relating to health, safety and security that candidates need to use in the workplace. It covers responsibilities towards self, others, assets and the environment, basic etiquette and competencies that a candidate is required to possess and demonstrate in their behaviour and interactions with others at the workplace. These cover areas such as communication etiquette, discipline, listening etc. are also part of this program.



Who should attend it?

Minimum Educational Qualifications : Class 10TH

Course Duration

450Hrs

Career Opportunities

Electrical and electronic equipment Fitters assemble electric motors, electronic control devices, and sensing equipment, control panels, and more.

Electrical and electronic equipment Fitters have good career opportunities in most of the major sub sectors of the Capital Goods sector.

- 1.Machine Tools - Companies like Sandvik Asia Ltd., Atlas Machine Tools, etc
- 2.Process Plant Machinery – Companies like GEE Ltd, Hindustan Dorr-Oliver Ltd, etc.
- 3.Electrical and Power Machinery – Companies like Crompton Greaves Ltd., Schneider Electric Infra Ltd etc.
- 4.Plastics Manufacturing Machinery – Companies like Neoplast Engineering Pvt. Ltd., Kabra Extrusion Technik Ltd. etc.
- 5.Textile Manufacturing Machinery - Companies like ITEMA Weaving India Pvt. Ltd., TexFab Engineers (I) Pvt. Ltd., etc.

Apart from that, Electrical and electronic equipment Fitters are also being hired by Automobile & Auto Components sector, Automation Sector other Engineering Manufacturing sector and Skill Training Institutes.