

Centre of Excellence for TVET - LILAMA 2



become a
**Metal Cutting/CNC
Technician**

Metal Cutting/CNC



Vietnamese - German Development Cooperation in TVET



Metal Cutting/CNC Technician

Metal Cutting/CNC Technicians work primarily in industrial branches of the: mechanical engineering, steel construction and light alloy construction, vehicle manufacturing and foundry industries.

They work primarily indoors in factory buildings, machine shops and workshops of the metal trades, where they manufacture on conventional and computer numeric controlled (CNC) machine tools precise metal components for technical products - e.g. wheel hubs, shafts, gear wheels, pulleys, bearing seats, foundry molds, etc. as well as parts for engines, motors and turbines of all kinds. The regular responsibility of a Metal Cutting/CNC Technician includes the set-up, programming and operation of drilling, turning-, milling-, grinding- and eroding machines. During the manufacturing process, they repeatedly check the product quality and optimize the production process. In addition to this, Metal Cutting Technicians implement maintenance and inspection works on the machine tools as well as conduct minor repairs of mainly mechanical parts.

Tasks and activities:

Metal Cutting/CNC Technicians:

- Evaluation and analysis of production orders with regard to technical realization
- Selection of sources of information and technical documentation for the implementation of the production
- Order-related selection of production systems
- Planning of production processes
- Programming of numerically controlled production systems, optimizing and installation of such programmes
- Utilization of datasheets, descriptions, operation manuals and other information commonly used in the occupation, also in English language
- Setting-up of the work place and organization of the work processes in consideration with time schedules and economical requirements
- Manufacturing of components by automatic metal cutting procedures in accordance with qualitative requirements and supervision and monitoring of the production process
- Application of quality management systems
- Documentation and evaluation of the work and assessment results, derivation of measures for production and process optimization
- Monitoring and examination of the safety devices, maintenance and inspection of production systems
- Comply with customer requirements
- Work planning and coordination with upstream and downstream divisions
- Working independently and in teams



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GDVT



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