

VITALIS Internship Metal Processing

For students of:

- Car Mechanics
- Mechatronics
- Electrics
- Metal Processing



Learning Outcomes

- What the most important metal materials are called and what characteristics they have
- What basic manual metalworking techniques are available, e.g. chipping, sawing, filing or bending
- Which mechanical metalworking techniques are available, e.g. drilling, milling, grinding or turning
- How to read technical drawings and tables
- How to make simple sketches, how to transfer measurements to the workpieces
- Select machine tools according to workpiece requirements

Focal Points and Tasks

- Metalworking (base plate)
- 3D printing and prototyping (print traffic lights), construction the printer and parts if necessary
- Electronics (sensors, resistors, indicators)
- Assembly and wiring of elements and assemblies
- Programming the PLC (various tasks possible)
- Commissioning & fault analysis

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