**Professional skills**

* to design and construct machine components, parts of machines, tools, technological equipment for workplaces using computer-aided design
* to select suitable materials for products
* to know basic product technologies, propose suitable production procedures
* to be familiar with technical equipment, tools, production equipment and the conditions of technology
* to program NC simple motion cycles
* to evaluate the technical state of machines and equipment / motor vehicles and diagnose defects
* to perform maintenance and repairs as well as to keep records on these procedures
* to measure basic technical and electrical quantities, use standards and know the fundamentals of quality control
* to apply basic economic principles for the industrial engineering