

Manufacturing Engineering / TCM/

As mechanical engineering specialization, TCM offers to the graduates good knowledge about materials and manufacturing technologies and consequently a wide range of possibilities for integration on the labor market in manufacturing of components, parts or products and also at the auxiliary service providers for:

automotive industry, industrial equipment, household appliances or consumer goods from metal, plastics or composite materials, maintenance and repair in mechanical, energy and transport sectors.

The curriculum specifically tailored to the needs of productive units, enhances the graduate's professional skills, offering in addition to the general training as a mechanical engineer a variety of theoretical and practical knowledge of CAD&CAE, about manufacturing technologies, design and management of quality and industrial specific manufacturing activities such as:

- various manufacturing processes based on material cutting;
- plastic deformation of metal sheets (stamping, bending, drawing) for manufacturing various products from fastener to car body parts;
- Injection molding, extrusion and thermoforming of plastic products;
- 3D measurement and quality management of the products;
- programming of the CNC machine tools;
- design of the parts, specific manufacturing devices, machines, production lines;
- preparation of the technological documentation and coordination of the parts manufacturing and/or assembly processes

