

Materials Engineering

The license program in Materials Engineering is designed to provide practical and theoretical abilities in the field of engineering materials for positions in different industrial companies. Competences required within departments for production, quality and design are especially envisaged. Positions in technical consulting and sales of technical products or technologies are also considered.

This program offers general engineering training in mathematics, informatics, mechanics, thermodynamics, chemistry, electricity etc., as well as basic formations in manufacturing technologies based on casting, deformations, machining, powder metallurgy, heat treatments, surface engineering and assembling techniques.

Specialty courses on optional bases are also offered for competences in selection and characterization of engineering or advanced materials, products or equipment design. Basics on modern investigations methods and computer modelling are also considered.

The program offers a solid base for master programs in advanced materials, industrial engineering, welding technologies, automotive industry etc., as well as Ph.D. programs with topics in advanced materials and modern processing technologies.