University of Limoges - Education program

The **ENSIL-ENSCI engineering school** is an entity of Limoges University, training 850 students around 7 different topics: Materials, Industrial Ceramics, Water & Environment, Electronics & Communication, Mechatronics, Civil Engineering and Photonics. All over, considering the statistics made until 2023, this represents approximatively 4381 alumni. The Materials specialization trains versatile, generalist engineers with a solid fundamental in physics, chemistry, materials science and process engineering. They master most coatings processes including wet route (electrochemistry, anodizing, etc.) and dry route (thermal spraying, PVD, CVD, etc.). During their curriculum, they must spend 4 to 6 months abroad (internship, double diploma and/or semester). The Materials department also welcomes international students during a dedicated English taught spring semester focused on surface treatments, coatings and characterization techniques.

ensil-ensci ÉCOLE D'INGÉNIEURS DE LIMOGES

The **Faculty of Science and Technology of Limoges** offers several highly professionalizing programs in the field of materials and physics.

- Bachelor of Science and Technology:

This three-year undergraduate program provides a solid foundation in fundamental sciences such as physics, chemistry, and mathematics, along with specific courses in materials science.
The Bachelor's degree in Chemistry with a focus on Materials Science aims to train chemists and physicochemists with a broad knowledge in both disciplines so that they can successfully continue in Master's programs, Engineering Schools, or prepare for national education examinations.
Students gain knowledge of material properties, manufacturing processes, characterization techniques, as well as basic principles of materials physics. More than 140 students graduated from our program in the last decade and most continued towards a Master's degree.

- Master of Materials Science and Engineering: High Performance Ceramics

The main objective of the Master's program is to train high-level specialists in the field of ceramic materials and processes, with the perspective of joining the industry (R&D, process engineering, etc.) or continuing with doctoral studies (on academic or industry-led projects).
The program is primarily focused on fundamental and subject-oriented courses covering cross-functionally the physical and chemical aspects of functional ceramic materials and their processes of development, shaping, as well as surface treatments and control.
The subjects covered relate to the current socio-economic issues of Energy, Health and Information and Communications Technology, and build towards giving students the necessary teamwork skills required for their career.

- Ph.D. in Physics or Materials Science:

Students interested in fundamental or applied research in the field of Materials can pursue a doctoral degree.
Research topics may include the synthesis of new materials, study of their physical properties, modeling of physical phenomena, as well as processing routes.