Master’s degree Nanoscale Science and Engineering (NSE)

Presentation
Nanoscience, nanotechnologies and engineering at the nanoscale are domains of utmost importance for economic development. Fundamentally challenging, research of exceptional quality is essential to enable exploration of terra incognita. A new generation of scientists, leading innovation and creativity, must be trained alongside world-class specialists whilst also being introduced to the importance of an interdisciplinary R&D approach. This is the main goal of the international master of Nanoscale Science & Engineering. Located at the world-renowned research and teaching center in Toulouse, you will be introduced to the various physics, chemistry and material sciences that inter-link to form groundbreaking Nanoscience and engineering technologies.

The aim of the NanoX Master of Nanoscale Science & Engineering is to provide an interdisciplinary field of knowledge and skills, combining physics, chemistry, materials and engineering, with an emphasis on students’ hands-on experience. It is designed to be a one year pre-thesis training. It offers a unique combination of intensive hands-on courses and in-lab immersion. Several tutorials will take place in clean rooms facilities.

Knowledge
> Physics
> Chemistry
> Materials
> Engineering

Skills
> Time management
> Professional writing
> Professional attitude
> Intercultural fluency

Accommodation capacity
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Terms of access
> Students who successfully passed MSc1 programs of a European university or engineering school
> Non-European LMD students who can justify a successful training equivalent to the French MSc1 classes

Prospects and professional integration
At the end of the master, the graduates will be ready to candidate to Doctoral programs, such as those offered by the Materials Science doctoral school in Toulouse. Most senior scientists earned a doctoral degree or a master’s degree. A PhD is a 3-year work experience as a research assistant, that may favor entering the high-tech job market after completing the PhD.