

Characteristics

Geographic location(s)

Université Toulouse III - Paul Sabatier
Campus de Rangueil
INSA
ENSIACET

Type of training

- > Initial training
- > Apprenticeship
- > Continuing education
- > VAE
- > Standard University Curriculum - initial education

Level of education

Master 2, MSc2 in the bachelor's master's doctorate european system

Accessible in

- > Face-to-face teaching

Distinction

Nanosciences et nanotechnologies

Partner Institutions

- > UT3
- > INSA Toulouse
- > ENSIACET

Contacts

Responsible teacher :

POTEAU Romuald
nanox.gsr@insa-toulouse.fr

Accommodation capacity

16

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

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.

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.

Knowledge

- > Physics
- > Chemistry
- > Materials
- > Engineering

Skills

- > Creative thinking
- > Teamwork
- > Adaptability
- > Communication
- > Time management
- > Professional writing
- > Professional attitude
- > Intercultural fluency

Program

Web site : <https://nanox-toulouse.fr/education/nanox-msc-in-nanoscience-and-nanotechnology/>

