Objectives
- Training in Nanotechnology for future managers, engineers and research scientists, to master recent developments in nanotechnology and biology.
- Graduates will be able to manage multidisciplinary international projects at the interface of these various disciplines.

Main opportunities
- PhDs and Scientific careers: most NSE graduates go on with PhD studies. High demand for Master’s level teachers in NSE for young scientists in the early stages of training.

Scientific fields

Prerequisites
- Bachelor of Science. (Preferably in Physics, Chemistry, Bioengineering, Electronics, Materials Science, Mechanical Engineering).
- Certified B2 level in English (CEFR).
Key points of the NSE program

An international, multicultural program for French and international students.

- A major focus on developing scientific communication skills in English, thanks to high-level scientific teaching given in English. Opportunities for internships and employment abroad.
- Five laboratories involved in the Lyon area: the Lyon Institute of Nanotechnology (INL), the Institute of Light and Matter (ILM), Materials: Science and Engineering (MATEIS), the Laboratory of Multimaterials and Interfaces (LMI), and the Institute of Analytical Sciences (ISA).
- Regular interactions with internationally renowned research groups and a wide range of contacts in industry and universities abroad.
- The Master’s degree is awarded by Université de Lyon. Training courses and projects throughout the academic year for high-level scientific and managerial careers in research laboratories and industry.

Master’s Degree in Nanoscale Engineering

- Mandatory courses
- Professionalization courses
- Major ECTS (3 courses among the list each semester)
- Transcultural project & language
- Internships and lab projects
- Minor courses (S2 : 2 courses among the list / S3 : 3 courses among the list)

Wide-range of skills

- Working effectively in the field of Nanostructures, with solid knowledge of Nanoscience and Nanotechnology: Characterization, Modelling, Engineering.
- Project management: in academic or industrial research teams.
- A grasp of complex problems.

Contacts

Program managers
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