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Nanotechnologies and Quantum Devices’ is an international master program giving a high-level theoretical and experimental training on different types of quantum phenomena - with particular emphasis on quantum devices and nanotechnologies. In this research area, awarded by several Nobel prizes, the boundaries between physics, chemistry, materials science and engineering, biomedicine and ICT engineering have become blurred.

The aim is to create a professional figure having the complementary competences of a modern quantum physicist and a physical engineer in the area of nanotechnology-based quantum devices.

Enrolled students will follow 1st year courses in Turin and 2nd year courses in Paris, fully exploiting the teaching and experimental facilities of three outstanding European Universities and enjoying a fascinating experience in a really international environment. The master thesis/stage will be done under the tutorship of teachers of either Paris Diderot or the Ecole Polytechnique.

At the issue of the two-year program, taught in English, the succeeding students will receive a double degree: the Italian Laurea Magistrale (Master degree) ‘Nanotechnologies for ICTs’ and the French Master Degree ‘Dispositifs Quantiques’.

After the master’s degree, the students can be directly employed as specialized scientists or engineers in High-Tech Industries, or start a PhD thesis work in outstanding public or private research laboratories.