Master in Materials Science

Materials for micro and nano technologies

13TH EDITION • ACADEMIC YEAR 2010-2011

IUSS

IUSS-PAVIA, Institute for Advanced Study was launched in 1997 under a special “program agreement” with the Ministry of Education, University and Research, inside a unique system in the country, which can claim the historical presence of illustrious academic colleges. In July 2005 it was recognized as an independent and autonomous “Scuola Superiore ad ordinamento speciale” in virtue of the excellent quality of activities carried out, attaining the same status as the Scuola Normale and the Scuola Sant’Anna in Pisa, and SISSA in Trieste.

In keeping with the completeness of its education and training fields, which allows a strong interdisciplinary approach, the mission of IUSS is to contribute to the intellectual growth of a small number of selected students by offering them, at each step of their higher education, qualified programs enhancing their capabilities and knowledge. The Institute is also committed to scientific progress by preparing young researchers and developing scientific research programs.

Professor Giorgio Spinolo - DIRECTOR OF THE MASTER
Professor Roberto Schmid - DIRECTOR OF IUSS
Professor Don Ernesto Maggi - RECTOR OF ALMO COLLEGGIO BORROMEO

AIMS

The Master in Materials Science is a third cycle qualification program not leading to a PhD and aims at giving its students outstanding scientific and professional capabilities in the various aspects of advanced materials and their applications to micro-electronics, photonics, and sensors and devices for energy control and management.

A primary objective of the Master Course is the integration between education and the labour market. The Program benefits from support and strong interactions with industries and research centres playing a leading role in applied research, and plans its activity according to their requests for experts in innovative materials. A strong interdisciplinary approach to Materials Science is pursued, particular attention is given to the most recent scientific and technological achievements in the field and to the materials with the highest technological content.

The enrolment fee is 7000 Euro, it includes all regular classes and seminars, and handout teaching material. During the internship, students receive a payment from the hosting institution allowing them on average to payback their investment.

The fee does not cover accommodation and costs of living in Pavia. However, the Pavia University College System will offer many of its facilities to enrolled students at specially reduced rates. A considerable number of fee reductions and scholarships will be offered to deserving students; the Master Program strongly encourages the students to apply for honour loans and gives support for obtaining loans at favourable conditions.

The Master's Program is a post-graduate course open to students of any nationality holding a degree (at least 4 years but preferably 5 years) in Chemistry, Engineering, Physics or related disciplines. Up to twenty candidates will be attending to the Master’s program. A good knowledge of English and an appropriate scientific background in the basis of Materials Science are required.

FOR APPLICATION DETAILS SEE: www.iusspavia.it/master_sm_en
DEADLINE FOR APPLICATIONS: September 30, 2010

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