BA in Nanotechnology

Institution	Faculty of Physics and Applied Informatics, University of Lodz
Name of the programme	Nanotechnology
Degree to obtain	BA in Nanotechnology
Duration	6 semesters (3 academic years)
Language of instruction	English
ECTS points	180
Programme description	Nanotechnology is an interdisciplinary programme which covers various aspects of physics, chemistry, material science and biology, which are crucial both for existing modern technology as well as for its progress in the future. During the studies our students have an unique opportunity to gain the nanoscale-level understanding of the phenomena which pave the way to the development of new electronic devices. Moreover, they expand their knowledge of new functional materials dedicated for nanoelectronics, electrotechnics, and medicine. Nanotechnology is a 3 years-long programme with two terms per study year, taught entirely in English. During the first year the students take courses which allow them to understand and describe the world on a nanometer scale. Those include courses on the basis physics and chemistry. The programme introduces the concepts and crucial terminology used in nanoscience and nanotechnology. In addition, the students gain knowledge in such fundamental fields as mathematics and statistics. During the second year the students master their understanding of the rules governing the nanoworld. The courses cover quantum physics, physical chemistry of surfaces and crystallography. They also develop their experimental skills related to construction and characterization of nanostructures. During the last year of the studies the programme focuses on the main aspects of application of nanomaterials in the real industrial environment. The courses expand the knowledge about nanostructured devices based on graphene, nanotubes, nanoparticles, hybrid structures and wide range of molecules. Students participate in lectures, tutorials, laboratories and projects. All the courses are accompanied with practical classes in modern laboratories well equipped with state-of-the-art scientific instruments. The achievements of our students are assessed by means of examinations, laboratory reports, projects as well as oral presentations. Throughout the final year the students prepare their diploma thesis and present it during the final bachelor exam.
Tuition	To be announced. Please check the University of Lodz website for updates about payments.
Deadline for application	15 July 2019

Requirements	Please note that there is an ongoing change of regulations at the University of Lodz (due to the reform of state Law on Higher Education and Science) and there may be some amendments to admission rules in 2019. The following documents are required (among others): (1) a high school diploma, (2) a high school transcript of records showing passed subjects and obtained grades, (3) a certificate of proficiency in English for foreigners (unless secondary education was taught in English). For detailed information about the admission procedure please visit: www.iso.uni.lodz.pl
Contact	In matters related to the admission procedure please contact: International Relations Office, University of Lodz 3 Uniwersytecka Str., 90-137 Lodz, Poland Phone: +48 42 635 42 37 e-mail: admission@uni.lodz.pl www.iso.uni.lodz.pl
www	www.wfis.uni.lodz.pl/wfis-main/?lang=en

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