

BA in Nanotechnology

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| Institution | Faculty of Physics and Applied Informatics, University of Lodz |
| Name of the programme | Nanotechnology |
| Degree to obtain | Bachelor in Nanotechnology |
| Duration | 6 semesters (3 academic years) |
| Language of instruction | English |
| ECTS points | 181 |
| Programme description | <p>Nanotechnology studies are an interdisciplinary program which covers various aspects of physics, chemistry, material science and biology, which are especially important for modern technology as well as the technology of the future. During the studies students have an unique opportunity to gain the understanding at the nanoscale of the phenomena which are crucial for the development of new electronic devices along with enhancing their knowledge of new functional materials dedicated for nanoelectronics, electrotechnics, and medicine.</p> <p>Nanotechnology is 3 year program with two terms per study year with English as the main study language.</p> <p>During the first year the students take courses which allow them to understand and describe the nanometer world. Those include courses on the basics of physics and chemistry. The program introduces the concepts and terminology used in nanoscience and nanotechnology. Additionally the students gain knowledge in the field of mathematics and statistics.</p> <p>During the second year the students improve their understanding of the rules governing the nanoworld. The courses cover quantum physics, physical chemistry of surfaces and crystallography. Additionally the students develop their experimental skills of growth and characterisation of nanostructures.</p> <p>In the last year of the studies the program focuses on the main aspects of application of nanomaterials in the real industrial environment. The courses expand the knowledge of nanostructures devices particularly based on graphene, nanotubes, nanoparticles, hybrid structures and wide range of molecules.</p> |

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| | <p>Students study through lectures, tutorials, laboratories and projects. All the courses are accompanied by practical classes in a laboratory equipped with state of the art scientific instruments.</p> <p>Students are assessed through examinations, laboratory reports, projects as well as oral presentations. In the final year students prepare their diploma thesis and present it during the final bachelor exam.</p> |
| Tuition | <p>2500 EUR/year for students from outside the EU/EFTA, exclusive of an additional 120 EUR charge that covers registration fee (for students of Polish origin the tuition is reduced by 30%). 2500 EUR/year for students from outside the EU/EFTA, exclusive of an additional 120 EUR charge that covers registration fee (for students of Polish origin the tuition is reduced by 30%).</p> <p>Please check University of Lodz website http://iso.uni.lodz.pl/study-in-english/tuition-fees for updates about payments.</p> |
| Deadline for application | <p>15 July 2017</p> |
| Requirements | <p>A high school diploma, a transcript of records showing the subjects/grades and a certificate proving adequate English fluency for foreigners (unless the secondary education was taught in English) are required.</p> <p>www.iso.uni.lodz.pl/study-in-english/required-documents/</p> |
| Contact | <p>For questions about the studies please contact: Professor Karol Szałowski – Nanotechnology Studies Coordinator Faculty of Physics and Applied Informatics, University of Lodz 149/153 Pomorska Str. 90-236 Lodz, Poland Phone: +48 42 635 57 12 Email: kszalowski@uni.lodz.pl http://www.wfis.uni.lodz.pl/wfis-main/?lang=en</p> <p>In matters related to the admission procedure please contact: International Students Office University of Lodz Address: Matejki 21/23 str. 90-237 Lodz Phone: +48 42 635 42 37 Email: iso@uni.lodz.pl http://iso.uni.lodz.pl</p> |
| www | <p>http://www.wfis.uni.lodz.pl/wfis-main/?lang=en</p> |

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