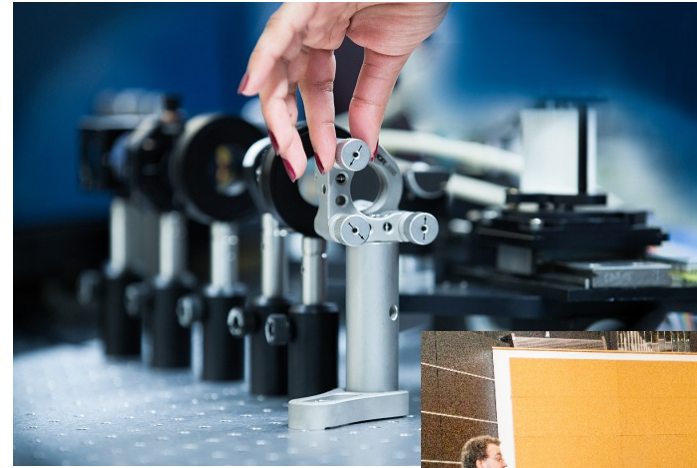


INFO WEBINAR: NANOSCIENCE AND NANOTECHNOLOGY





The City of Siegen

- Area: 114,69 km²
- Population: 102.836
- Center of District (Kreis) Siegen-Wittgenstein
- Greenest City of Germany



Foto: Dirk Laubner

The University of Siegen

- is a young, modern institution of higher education in the center of a border triangle of the German states of North Rhine-Westphalia, Hesse, and Rhineland-Palatinate
- is a medium-size research university in its region and for its region
- scores with its highly interdisciplinary research and teaching
- puts particular emphasis on supporting its students
- strongly pushes internationalization
- follows the guiding principle: **Shaping a Humane Future**

Shaping a Humane Future

- Independence and freedom of academic research and teaching
- Promoting the idea of the European Higher Education Area, of internationality and mobility
- Establishing a culture of quality
- Commitment to diversity and equality of opportunity
- Principles of participation and shared responsibility

Service institutions

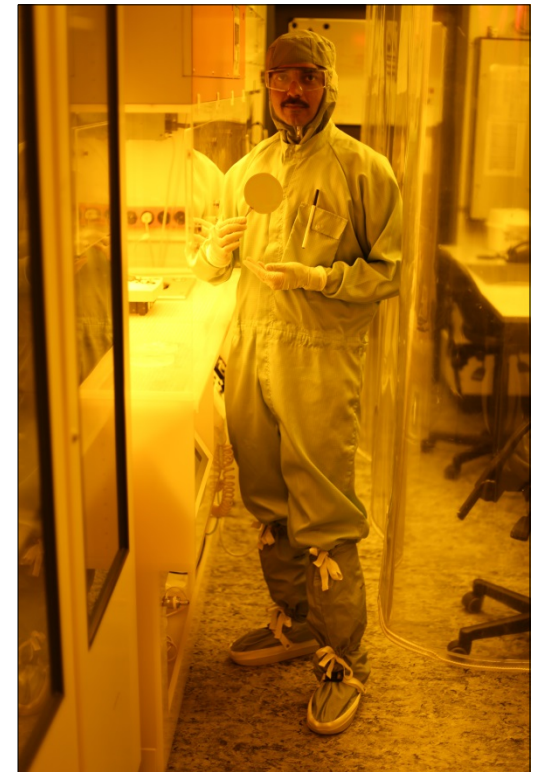
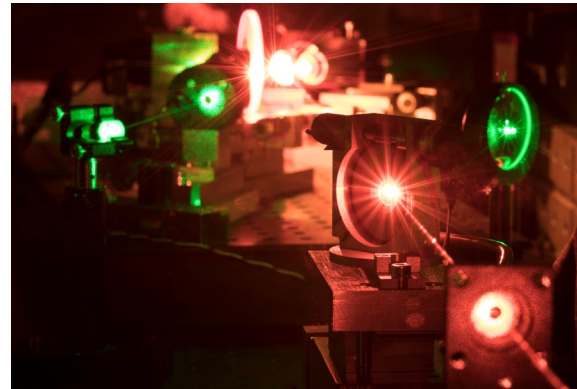
- Alumni Network
- Career Service
- Dual Career Service
- Family Service Office
- Founders' Office
- Center for Gender Studies Siegen (Gestu_S)
- Job Exchange
- Language Center
- Center for Information and Media Technology (ZIMT)



PHIL    

The School of Science and Technology

- Civil Engineering
- Chemistry and Biology
- Electrical Engineering and Computer Science
- Mechanical Engineering
- Mathematics
- Physics



Facts and Figures

- Students and Staff
 - 5000 students
 - 100 lecturer
 - 190 scientific staff
 - 180 technical and administrative staff
- Locations
 - 4 campuses



Master in Nanoscience and Nanotechnology

- The Master in Nanoscience and Nanotechnology of the University of Siegen is a two-year 120 ECTS English language degree program offered to national and international students.
- It focuses on modern aspects of the science and technology of nanoscopic systems, ranging from basic knowledge to applications and devices.
- It consists of a set of lectures, seminars and lab courses followed by a project in a research group, accomplished by a thesis.
- The master is a joint initiative of the Departments of Physics, Chemistry and Electrical Engineering of the School of Sciences and Technology.

Admissions

- Application deadline: April 30, 2021
- Admission requirements:
 - B.Sc. in Physics, Chemistry or Electrical Engineering with grade 2.7 or better. There is the possibility to qualify on the basis of recommendation letters and/or discussion with academic experts
 - Proficiency in English: TOEFL, CAE, IELTS, CEFR
- Applications must be submitted online
- The application is free of charge
- For further details please visit <https://www.uni-siegen.de/nt/nano/admission/>

1 Semester	2 Semester	3 Semester	4 Semester
General Chemistry (Physics, Engineering)	Nano Chemistry	Nano-Research Lab Course	Master Thesis
Solid-State Physics (Chemistry, Engineering)	Photonics Devices	Elective Course	
Quantum Theory (Chemistry, Engineering)	Physics of Nanoelectronic Devices	Elective Course	
Nanotechnology (Physics, Chemistry)	Lab Course “Micro and Nanotechnology”	Elective Course	
Nano-Research Course (Seminar + Elective Course)	Lab Course “Nanosynthesis, Nanosafety, Nanoanalytics”		
Advanced Solid-State Physics			

Research Groups

- Chemistry
 - Inorganic Chemistry
 - Inorganic Materials Chemistry
 - Macromolecular Chemistry
 - Physical Chemistry
- Electrical Engineering
 - High-Frequency Technology and Quantum-Electronics
 - Graphene-based Nanotechnology
- Analogue Circuits and Image Sensors
- Physics
 - Nano Physics
 - Solid State Physics
 - X-Ray-Physics
 - Laboratory of Nano-Optics
 - X-Ray Tomography

Career Paths

- PhD at German Universities & Research Centers or abroad
- Research/Teaching Assistant at Universities of Applied Sciences
- Industry in North-Rhine Westphalia, Germany and abroad
 - Learn German (the University offers language courses free of charge)
 - Clusters on Nano Micro Materials and Photonics:
nmwp.nrw.de/?lang=en



www.uni-siegen.de/nt/nano/