The University

City of Siegen

Siegen is a city of just over 105,000 residents and it is surrounded by an idyllic, rural landscape. The local area is home to several internationally recognized small and medium-sized industrial companies, many of which cooperate with the university in a variety of innovative projects. The nearby hills and lakes provide opportunities for skiing, water sports and all kind of outdoor activities. Frankfurt and Cologne are within 1.5 hours by train. The location offers many opportunities to travel throughout Germany and Europe. The student ticket entitles students to use local public transport free-of-charge throughout North Rhine-Westphalia.

University life

The University of Siegen is a medium-sized research university with currently about 19,500 full-time students. We have a thriving community of over 2,000 international students and 113 countries are represented in the student body. A comprehensive program of extracurricular activities is offered by the Department of International Student Affairs. The program includes cultural nights, social meetings and trips to cities around Germany which offer great opportunities to meet current international students and experience German history and culture.

The campus provides a number of entertainment activities. Sports classes are offered at the university gym, and students are encouraged to join student organizations or get involved with the student-run campus radio and television.

School of Science and Technology
Department of Chemistry and Biology

UNIVERSITÄT SIEGEN

Contact

Department of Chemistry and Biology
University of Siegen
Adolf-Reichwein-Str. 2
57076 Siegen
Germany
http://www.chemie-biologie.uni-siegen.de/igs/master.html

If you have any questions regarding the IGS - Chemistry Program, please contact

Department of Chemistry and Biology
Tel: +49 (0) 271 740 4116
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Faria Afzal (Ms), International Student Advisor
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Helpful links

University
http://www.uni-siegen.de
International Student Affairs
http://www.uni-siegen.de/isa/

School of Science and Technology
Department of Chemistry and Biology

UNIVERSITÄT SIEGEN

Master of Science
M.Sc. in Chemistry
University of Siegen

International Graduate Studies (IGS)
Department of Chemistry and Biology
School of Science and Technology

Language of instruction: English

General Information

The International Graduate Studies (IGS) in Chemistry is a research-oriented M.Sc. program with high-quality theoretical and practical chemistry modules providing students with a first-rate education.
The program provides the possibility of research and the specialization in different fields, such as Analytical Chemistry, Building Materials Chemistry, Inorganic Chemistry, Macromolecular Chemistry, Organic Chemistry, Physical Chemistry and other modern branches of chemistry .

Program Details

The Chemistry Master program has a duration of two years, divided into 4 semesters. The first three semesters are organized into lectures and lab courses. In the fourth semester students work on an advanced research topic and write their master thesis. The courses are taught in English, however, students have to attend basic German language courses as part of their curriculum.

International Degree

The Master's of Science degree in Chemistry is awarded upon successful completion of the program.
The Master of Science degree requires a total of 120 credits. The grades and credits of the program are based on the European Credit Transfer System (ECTS), which guarantees a high international acceptance of the M.Sc. degree.

Research

The Department of Chemistry and Biology is a highly research oriented Department with an excellent student faculty interaction and sophisticated equipment which includes DSC, DTA, TG/DTG, automatic synthesizer, 300 MHz and 600 MHz NMR, SEM, several x-ray diffractometers, electrospray MS, GC-SPME-MS, ToF-SIMS, ICP-AES, ASE-SFE-SFC, IR and Raman spectroscopy, and AFM. Much more special equipment is available in the individual research groups.

Major fields of research are:

Analytical Chemistry

Microanalytical Methods, ToF-SIMS Surface Analysis and Depth Profiling, Micro-Separation and Micro-Sample Preparation on Chip, High Temperature HPLC, Supercritical Fluids, Catalysts, Organic/ Inorganic Trace Analysis

Chemistry of Building Materials

New Building Materials, Additives and Admixtures, Durability, Corrosion and Conservation

Inorganic Chemistry

Energy Saving Materials, Photovoltaics, Solid State Lighting, Luminescent Nanoparticles and Films, Ionic Conductors, Areo- and Lyogels, Hydrogen Storage and Conversion, Magnetic Resonance Spectroscopy of Solids

Organic Chemistry

Bioorganic Chemistry, Chemical Biology, Chemosensing, Natural Product Chemistry, Organic Photochemistry, Physical Organic Chemistry, (Supra)molecular Nanochemistry, Bioelectrochemistry, Surface Plasmon, Spectroelectrochemistry, Resonance Spectroscopy (SPR)

Physical and Theoratical Chemistry

Femtochemistry, Solar Cell Dyes, Quantum Chemistry, Reaction Dynamics, Vibration-Rotation-Spectroscopy, Surfaces and Biointerfaces, Thin Polymer Films, Dynamic Processes in Confinement & in Constrained Geometries, Atomic Force Microscopy, Nanoporous and Autonomously Sensing Materials

Macromolecular Chemistry

Synthesis, Characterization and Processing of Polymeric Materials, Hierarchical Structure Formation with Macromolecular Systems

Ph.D. Program

The M.Sc. degree enables students, with adequate grades, to pursue their studies in order to obtain a Ph.D. degree, e.g. within the International Postgraduate Program (IPP) at the University of Siegen.

Admission

Requirements

1. Bachelor of Science or equivalent (with grade 2.5 or better).
2. Proficiency in English: English as a native language; or TOEFL (Code No. 8429) 533 (paper-based), 200 (computer-based), 72 (internet-based); or CAE level C; or IELTS grade 6 or equivalent; or English on level B2 of the CEFR (Common European Framework of Reference for Languages.

How to apply

Applications must be submitted through online registration at www.uni-siegen.de/msc-chemistry.
The following forms and documents are required for application:

- Completed application form;
- Tabular resume (including the achieved overall grades, home address, e-mail and phone number);
- Copies of bachelor's certificate and transcript of records, if appli cable, with official translation in English;
- Proof of English language proficiency;
- Reference letters (optional);

In case of admission, original documents have to be submitted for enrollment.

Application Deadlines

EU applicants: 31 August for the following winter semester.
Non-EU applicants: 30 June for the following winter semester. Considering the duration of the visa process, an earlier application is highly recommended.
As an exception, a start in summer semester is possible with the application deadlines 28 February (EU applicants) and 15 January (Non-EU applicants).

Semester Fees and Living Costs

Semester Fees

Students of the University of Siegen are not charged tuition fees. However, there is a semester fee of approximately EUR 250 due before every semester start as part of (re-)registration.

Cost of Living

It is important that students calculate their finances through the degree completion and ensure they have enough funds to cover semester fees and living costs.
The estimated average cost of living amounts to EUR 700 to 800 per month, including rent, health insurance, food, clothing, learning materials, phone and internet, travel expenses, entertainment, and sports. These estimated costs of living can vary depending on lifestyle, type of accommodation, budget, and spending habit.
Please note that additional one-time expenses for residence permit and deposit amount to approximately EUR 600.