

CONTACT AND ADVICE

STUDENT HOTLINE CALL JUSTUS

☎ Mo to Fr 8:30-12 am and 13-17 pm | ☎ +49 641 99 16400

CENTRAL STUDENT ADVISORY SERVICE

You can find more information about the counselling services as well as contact options and the current counselling hours at:

➔ www.uni-giessen.de/studium/zsb

INTERNATIONAL OFFICE

General Counselling of International Students:

☎ +49 641 99 12143 | +49 641 99 12174

✉ international.students@uni-giessen.de

➔ www.uni-giessen.de/international-pages

SUBJECT ADVISOR

Dr. Bjoern Luerßen

Institute of Physical Chemistry

Heinrich-Buff-Ring 17, 35392 Giessen

☎ +49 641 99 34504

✉ Bjoern.Luerssen@uni-giessen.de

FACULTY 07

➔ www.uni-giessen.de/fb07

FACULTY 08

➔ www.uni-giessen.de/fbz/fb08



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APPLICATION

ADMISSION REQUIREMENTS:

GENERAL UNIVERSITY ENTRANCE QUALIFICATION, ADVANCED TECHNICAL COLLEGE ENTRANCE QUALIFICATION OR EQUIVALENT DEGREE;
BACHELOR'S DEGREE IN A RELEVANT FIELD OF STUDY

4	SEMESTERS – 120 CREDIT POINTS (CP)
WS	START IN THE WINTER SEMESTER (OCTOBER)
LA	LANGUAGE REQUIREMENTS

Application deadline: 15 June

JLU application portal:

➔ www.uni-giessen.de/studium/bewerbung

All applicants with a foreign university entrance certificate or a foreign Bachelor's degree must submit their application via:

➔ www.uni-assist.de

No study fees are charged for this study programme. However, students must pay a semester contribution for administration.

For further information on application and enrolment, you may contact:

Registrar's Office

Goethestr. 58, 35390 Giessen

Postal address: Postfach 11 14 40, 35359 Giessen

☎ +49 641 99 16400 (via Call Justus)

✉ international.admission@admin.uni-giessen.de

FURTHER INFORMATION

➔ www.uni-giessen.de/study/master/advancedmat



JLU
NEUE WEGE. SEIT 1607.

JUSTUS-LIEBIG-
UNIVERSITÄT
GIESSEN



MASTER OF SCIENCE (M.SC.)

ADVANCED MATERIALS

Study programme taught in English



Curious about how tomorrow's technologies are built today? The M.Sc. Advanced Materials at Justus Liebig University Giessen (JLU) in Germany offers you the chance to explore the building blocks of innovation. From smart materials and sustainable energy solutions to nanotechnology and catalysis, our programme combines world-class research with international perspectives – preparing you to tackle global challenges with scientific creativity and confidence.

WHAT MAKES US SPECIAL

Discover Advanced Materials at JLU Giessen – where chemistry meets physics and curiosity drives innovation. From the start, you'll dive into cutting-edge research, working hands-on with functional materials – from high-performance solids to soft materials and energy technologies. Offering both English-only and bilingual (German + English) paths and even double-degree-options with universities in Osaka (Japan), Kansai (Japan) and Padua (Italy), our programme is global in reach, yet deeply rooted in collaborative science.

ADMISSION REQUIREMENTS

You'll need a Bachelor's degree with at least 180 ECTS credits in Materials Science (Advanced Materials) – or a related field, reviewed case-by-case – including a Bachelor's thesis. Admission may include completion of additional coursework up to 18 credit points (CP) of foundation modules in the first two semesters, or passing an entrance exam, with at least three weeks' notice. English language skills at CEFR level B2 are required and must be proven, for example, with a TOEFL score of at least 72 or an IELTS score of at least 5.5. Other language certificates may also be accepted.

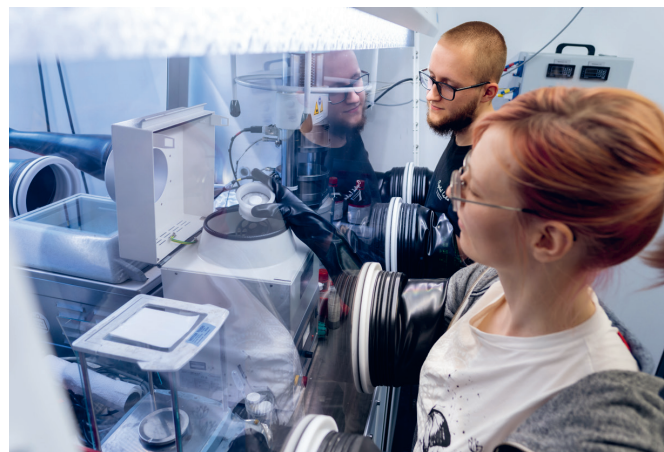
COMPOSITION OF THE STUDY PROGRAMME

The Master's degree programme in Advanced Materials is a research-oriented degree programme. Across 4 semesters (120 CP), you'll start with basic materials science modules on technical fundamentals, soft and solid-state materials, and renewable energies.

Early on, you choose one of the following specialisations:

- Electrochemical materials science,
- High performance materials,
- Materials analysis,
- Theoretical materials science,
- Sustainable inorganic materials,
- Organic materials synthesis.

In addition, students can pursue their individual interests through optional modules. As part of a lab-based research project in the third semester, you will work on a materials science problem in a research group in the fields of chemistry and physics, leading into your independent Master's thesis in the final semester – where you'll present, defend, and validate your work. Possible topics include, for example, the investigation of future battery concepts or the stability of solar cells.



CAREER OPTIONS

This programme equips you for management and leadership positions in research, industry, and more. Whether aiming for university labs, innovation-driven companies in nanotechnology, energy, semiconductors, catalysis, or high-tech manufacturing – you'll be prepared for roles in science, industry, and policymaking on regional, national, and EU levels.

Additionally, it is possible to pursue doctoral studies at JLU after completing the Master's degree, opening further career opportunities.

ORGANISATIONAL ISSUES

- General Regulations for modularised and multi-stage study programmes at JLU (English version for informative purposes. Only the German version of the modules is official and legally binding).
➔ www.uni-giessen.de/mug/7/7_34_00_1_engl
- Examination Regulations of Faculty 07/ 08
➔ www.uni-giessen.de/mug/7/findex36.html/7_36_07_1_M
- Module Directory
➔ www.uni-giessen.de/de/mug/7/pdf/7_36/07/1/7_36_07_1_neuf_annex#page=2

Advanced Materials

Video

