

SOFT MATTER & MATERIALS



Master of Science

PROGRAMME - KEY FACTS

Our approach:

Theoretical readings • Research internships • Cooperation between Johannes Gutenberg University Mainz (JGU), Technical University Darmstadt (TUDa) and Max-Planck-Institute for Polymer research Mainz (MPI-P)

■ Starting each Semester: April → Darmstadt

October **→ Mainz**

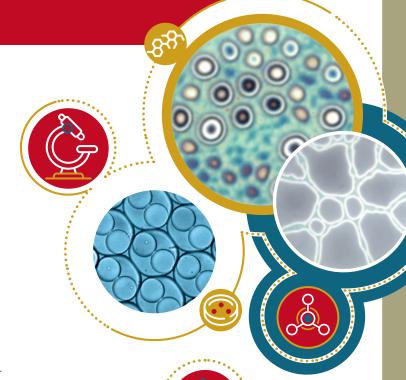
Language: English

Duration:

4 semesters

■ Tuition fee:

None – JGU semester fee: ~350 € per semester





ENTRY LEVEL REQUIREMENTS

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You have ...

- a Bachelor's degree in Chemistry, Physics, Chemical Engineering, or Materials Science
- an interest in combining polymer research and engineering
- proof of the required English skills (e. g. Cambridge Certificate of Advanced English (C1 Advanced) min. C, B, A (180 199),
 PTE Academic 76 84, TOEFL itp 627)



PROF. DR. SEBASTIAN SEIFFERT
JOHANNES GUTENBERG UNIVERSITY MAINZ

»Once I heard a materials scientists saying that •a good material is one that you do not even recognize; because it is so good in performing its function that you don't even realize it's

there. Soft Matter is such kind of material class. Many students have never heard about it before. But once you realize what it is, you see it everywhere – and you see its amazing function.

WHY STUDY AT JGU AND TUDA?

JGU - Johannes Gutenberg University Mainz

- Internationally entangled campus university
- Globally renowned research
- Committed to diversity and equal opportunities

<u>Mainz</u>

- Within Rhine-Main area major metropolitan area of Germany
- Capital of Rhineland-Palatinate
- Main regional media and broadcasting hub

TUDa - Technical University Darmstadt

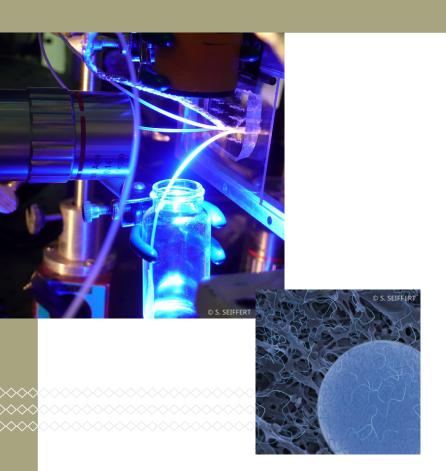
- International, interdisciplinary and future-oriented
- Innovative degree programs for excellent and relevant science

Darmstadt

- Is centrally located in the Rhine-Main region
- Has been named »City of Science«
- Boasts art and culture (World Heritage Site »Mathildenhöhe«)



Campus JGU



WHAT DOES THE PROGRAMME OFFER?

- Dissemination of technical knowledge and conceptual competence concerning
 - ... the preparation, characterization and use of polymers and colloids and

- ... the structure-dynamics-property relationships of soft matter and materials
- Functional concepts
 - ... of general synthetic components and ... biologically relevant components
- Technical processing and industrial use of soft materials
- Independent implementation of the acquired knowledge in research projects
- Acquisition of intercultural skills in international working groups during the research phase, starting in the second half of the degree program

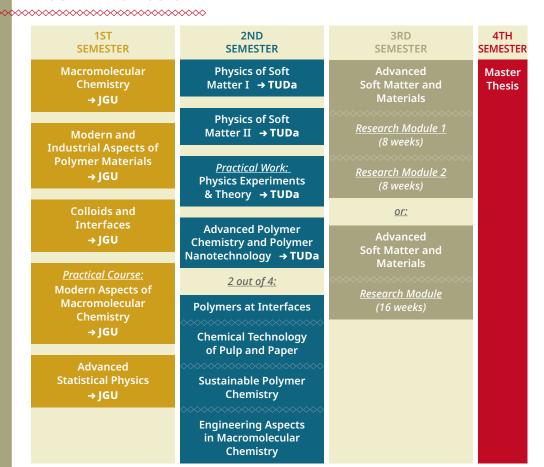
»Soft matter research is a fascinating playground for me. Mixing different components
and studying them on different length and
time scales brings different and often novel
phenomena to light.«

PROE, DR. REGINE V. KLITZING

TECHNICAL UNIVERSITY DARMSTADT



PROGRAMME STRUCTURE



PROGRAMME DIRECTORS



Prof. Dr. Sebastian Seiffert *sebastian.seiffert@uni-mainz.de*

→ JGU homepage.uni-mainz.de



Prof. Dr. Regine v. Klitzing *klitzing@smi.tu-darmstadt.de*

→ TUDa www.tu-darmstadt.de/index.en.jsp

IN COOPERATION WITH

→ Max-Planck-Institut www.mpip-mainz.mpg.de/en/home

OVERVIEW

studyoffice.chemistry.uni-mainz.de/

APPLICATION

www.studium.uni-mainz.de/en/your-application



