



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Bachelor's degree



## Atlantis: Materials Science and Mechanical Engineering

Saarland University • Saarbrücken

### Overview

Degree	Double Bachelor's degree in Materials Science and Mechanical Engineering
Teaching language	<ul style="list-style-type: none"><li>• German</li><li>• English</li></ul>
Languages	German and English
Programme duration	8 semesters
Beginning	Winter and summer semester
Application deadline	Winter semester: 15 April Summer semester: 15 October
Tuition fees per semester in EUR	Yes
Additional information on tuition fees	Students starting at UdS: for the year at OSU, approx. 3,000 EUR (without flight and accommodation) for different fees and insurances Students starting at OSU pay the normal tuition fees at OSU.
Joint degree / double degree programme	Yes
Description/content	The coursework is defined on the basis of six fields of knowledge. Each of them will contribute a certain percentage to the overall learning outcome. Mathematics and Fundamentals of Natural Science (20%) Mechanical Engineering Fundamentals (15%) Core Materials Science (13%) Advanced Mechanical Engineering and Materials Science (20%) Foreign Language (10%) Baccalaureate Core Courses (22%)

### Course Details

Course organisation	Double Bachelor's degree programme in Materials Science and Mechanical Engineering (one diploma from each partner university and a diploma supplement):
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Building upon fundamental maths and science, the curriculum develops the core materials scientific principles based on the well-known conceptual relationships between structure-properties-process-performance. Following the core courses, the curriculum will apply these principles to a wide range of material types such as metals, ceramics, polymers, and glasses. Furthermore, the curriculum will cover more advanced topics that focus on specific phenomena related to materials including characterisation techniques, thin films, composites, surface chemistry, and other applications and phenomena. Laboratory courses will be an especially important element in the curriculum, and both Saarland University (UdS) and Oregon State University (OSU) are well equipped to give the students hands-on skills in advanced materials characterisation and processing techniques.

The technical curriculum will culminate in an engineering design course based on the existing senior Mechanical Engineering capstone design course sequence at OSU. In this course, teams of students collaborate on a technical project under the supervision of a faculty adviser and an industrial mentor. In addition to technical and laboratory skills, the design course sharpens the students' team building, organisational, and communication skills.

Finally, a critical component in the degree programme includes the non-technical courses. Language courses will serve as an important component in this category, but the proposed degree programme will also follow the guidelines of the OSU Baccalaureate core curriculum that emphasises writing, creative thinking, cultural diversity, the arts, science, literature, lifelong fitness, and global awareness.

<b>A Diploma supplement will be issued</b>	Yes
<b>International elements</b>	<ul style="list-style-type: none"> <li>• Language training provided</li> <li>• Training in intercultural skills</li> <li>• Projects with partners in Germany and abroad</li> </ul>
<b>Course-specific, integrated German language courses</b>	No
<b>Course-specific, integrated English language courses</b>	No

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	Yes
<b>Additional information on tuition fees</b>	Students starting at UdS: for the year at OSU, approx. 3,000 EUR (without flight and accommodation) for different fees and insurances Students starting at OSU pay the normal tuition fees at OSU.
<b>Semester contribution</b>	Currently 134.30 EUR at Saarland University
<b>Funding opportunities within the university</b>	No

## Requirements / Registration

- |                           |                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Academic admission</b> | <ul style="list-style-type: none"> <li>• Full-time student enrolled at one of the two partner universities (OSU, Saarland University)</li> </ul> |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

## requirements

in the local Materials Science Bachelor's programme

- A high level of academic achievement is required; the student is expected to maintain a grade point average of at least 3.0 (US scale).

For further information, please consult the website: <https://www.eusmat.net/international-studies/bachelor/atlantis/>, or contact us:

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## Language requirements

Applicants from OSU should have at least the equivalent of second-year German taught at university level, as the lectures at Saarland University will be held in German. German students should have good knowledge of the English language. Please refer to the following link regarding requirements for international students at OSU: <https://gradschool.oregonstate.edu/admissions/international>

## Application deadline

Winter semester: 15 April  
Summer semester: 15 October

## Submit application to

<https://www.eusmat.net/international-studies/bachelor/atlantis/>

## Services

### Possibility of finding part-time employment

Giving students the opportunity to work as student assistants is a normal practice at the department.

### Accommodation

Please refer to the following links regarding accommodation at the respective universities:  
OSU – <https://uhds.oregonstate.edu/housing>  
UdS – <https://www.uni-saarland.de/en/global/welcome-center/accommodation/housing-office.html>

### Support for international students and doctoral candidates

- Buddy programme
- Specialist counselling
- Cultural and linguistic preparation

# Contact

## Saarland University

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🌐 Course website: <https://www.eusmat.net/international-studies/>

📘 [https://www.facebook.com/eusmat.materials/?ref=br\\_rs](https://www.facebook.com/eusmat.materials/?ref=br_rs)

🌐 [https://www.linkedin.com/company/european-school-of-materials-eusmat-/](https://www.linkedin.com/company/european-school-of-materials-eusmat/)

📷 <https://www.instagram.com/eusmat.materials/>

📺 <https://www.youtube.com/@europeanschoolofmateriale5851>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

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[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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