



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree



## MSc Sustainable Resources and Energy Supply – Repository Safety

RWTH Aachen University • Aachen

### Overview

Degree	Master of Science (MSc)
Teaching language	<ul style="list-style-type: none"><li>• English</li><li>• German</li></ul>
Languages	<p>The courses and Master's thesis of the specialisation are offered in English.</p> <p>Additional compulsory subjects, which are a condition of admission, are offered exclusively in German.</p>
Full-time / part-time	<ul style="list-style-type: none"><li>• full-time</li></ul>
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	<p>Non-EU applicants: 1 March for the following winter semester (starting in October) or 1 September for the following summer semester (starting in April)</p> <p>EU applicants: 15 July for the following winter semester (starting in October) or 15 January for the following summer semester (starting in April)</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The specialisation in "Repository Safety" is another cornerstone of the Master's degree programme in Sustainable Resources and Energy Supply. As an additional pillar, it purposefully complements the specialisations in "Raw Material Extraction", "Recycling" and "Energy", and it expands the topic of the sustainable use of raw materials and energy sources to include the aspect of protecting future generations from the harmful effects of ionising radiation from radioactive waste.</p> <p>This is an interdisciplinary, practice-oriented and internationally-oriented course of study, and all lectures are held in English. By integrating scientific and engineering skills with socio-political concerns, the specialisation provides graduates with comprehensive analytical, methodological, evaluation and problem-solving skills that open up a very broad professional field of activity.</p>

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## Course Details

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### Course organisation

The specialisation is structured over four semesters. In the first two semesters, students learn the fundamentals of the field of final disposal, and in the second semester, they are introduced to additional topics from the disciplines of raw materials engineering and geosciences.

The third semester offers a mobility window in which students can choose between spending a semester abroad, working on research projects, excursions, industrial internships or thematic lectures offered at the RWTH university in the scope of final disposal. This structure allows students to specialise according to their interests and to deepen their education in specific areas of their choice.

The fourth semester is reserved to complete both the Master's thesis and a professional internship at institutions that are active within the field of final disposal.

### A Diploma supplement will be issued

Yes

### International elements

- Specialist literature in other languages
- Projects with partners in Germany and abroad

### Course-specific, integrated German language courses

No

### Course-specific, integrated English language courses

No

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## Costs / Funding

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### Tuition fees per semester in EUR

None

### Semester contribution

Approx. 300 EUR per semester (including semester ticket for public transport). There is no special fee for international students.

### Costs of living

<https://www.rwth-aachen.de/go/id/bpte/lidx/1>

<https://www.rwth-aachen.de/cms/root/studium/Vor-dem-Studium/Internationale-Studieninteressierte/Organisation-des-Studienaufenthaltes/~bqmn/Internationale-Studierende/lidx/1/>

### Funding opportunities within the university

Yes

### Description of the above-mentioned funding opportunities within the university

<https://www.rwth-aachen.de/cms/root/studium/Im-Studium/~ehg/Stipendien-Foerderung/?lidx=1>

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# Requirements / Registration

## Academic admission requirements

For the specialisation of "Repository Safety", a total of at least 75 CP are required, which are distributed as follows:

A minimum of 55 CP from engineering fundamentals:

- mathematics
- mechanics
- chemistry
- electrical engineering
- heat engineering
- machinery
- thermodynamics
- process engineering
- informatics
- technical drawing

At least 20 CP from the area of technical basics:

- raw materials technology / extraction
- raw materials / energy law
- processing methods
- recycling technology
- geology and mineralogy
- surveying technology
- environment and sustainability

The proven achievements must be comparable to those of the Bachelor's degree programmes in raw materials engineering, sustainable raw materials and energy supply and applied geosciences or georesource management at RWTH Aachen University.

If applicants are required to catch up with more than 30 CP, admission to the Master's programme is not possible.

In addition, proof of sufficient command of the German language must be provided (details below).

## Language requirements

### German B2

The following certificates are recognised:

- TestDaF (level 4 in all four examination areas)
- German language examination for university entrance (DSH, level 2)
- German Language Diploma of the Standing Conference of the Ministers of Education and Cultural Affairs - Second Level (KMK II)
- Kleines Deutsches Sprachdiplom (KDS), Großes Deutsches Sprachdiplom or Goethe-Zertifikat C1 of the Goethe-Institut
- German Language Test II of the Munich Language and Interpreting Institute
- telc Deutsch C1 Hochschule

### English B2

## Application deadline

Non-EU applicants: 1 March for the following winter semester (starting in October) or 1 September for the following summer semester (starting in April)

EU applicants: 15 July for the following winter semester (starting in October) or 15 January for the following summer semester (starting in April)

## Submit application to

<https://www.rwth-aachen.de/cms/root/studium/Vor-dem-Studium/Bewerbung-um-einen-Studienplatz/Master-Bewerbung/~dqml/Bewerbung-Master-Internationale/?lidx=1>

## Services

Possibility of finding part-time employment

<https://www.rwth-aachen.de/go/id/bqmp/lidx/1>

Accommodation

"Studierendenwerk Aachen"

<https://www.studierendenwerk-aachen.de/en/housing.html>

Availability of university accommodation in Aachen is limited. Participation in individual allocation procedures is therefore usually required. Because of the high demand for university accommodation, it may be necessary to resort to the private accommodation market.

As family and couple apartments are particularly high in demand, applicants interested in this type of accommodation will almost definitely need to draw on the private accommodation market like the majority of RWTH Aachen University's students.

There are a number of options for finding private accommodation in and around Aachen. The International Office can provide students with information before or upon their arrival.

Career advisory service

Career Center of RWTH Aachen

<https://www.rwth-aachen.de/cms/root/Studium/Nach-dem-Studium/~ejx/Karriere/?lidx=1>

Support for international students and doctoral candidates

- Welcome event
- Buddy programme

## Contact

**RWTH Aachen University**

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Wüllnerstr. 2  
52062 Aachen

✉ [charlier@els.rwth-aachen.de](mailto:charlier@els.rwth-aachen.de)

🌐 Course website: <https://www.rohstoffe.rwth-aachen.de/cms/rohstoffe-und-entsorgungstechnik/studium/Studiengaenge/~beotov/M-Sc-Nachhaltige-Rohstoff-und-Energie/lidx/1/>

📘 <https://www.facebook.com/frerwth>

📷 [https://www.instagram.com/fre\\_rwth](https://www.instagram.com/fre_rwth)

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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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## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

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