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Bioengineering, BSc • Rhine-Waal University of Applied Sciences • Kleve......................................................... 2
## Bachelor's degree

### Bioengineering, BSc

Rhine-Waal University of Applied Sciences • Kleve

### Overview

<table>
<thead>
<tr>
<th><strong>Degree</strong></th>
<th>Bachelor of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Teaching language</strong></td>
<td>English</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>Courses are held entirely in English.</td>
</tr>
<tr>
<td><strong>Programme duration</strong></td>
<td>7 semesters</td>
</tr>
<tr>
<td><strong>Beginning</strong></td>
<td>Winter semester</td>
</tr>
<tr>
<td><strong>Application deadline</strong></td>
<td>All applicants: 15 July for the following winter semester</td>
</tr>
<tr>
<td><strong>Tuition fees per semester in EUR</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Joint degree / double degree programme</strong></td>
<td>No</td>
</tr>
</tbody>
</table>

### Description/content

Bioengineering is an interdisciplinary field where new materials and technologies with a wide variety of applications are developed with the help of both the natural sciences and engineering. Historical examples of early biotechnologies include cheese, wine and bread. Modern examples, however, involve engineering at the molecular-biological level to produce substances used in detergents and cosmetics, active pharmaceutical ingredients and medicines, raw chemical materials for industrial manufacturing, biofuels and even new varieties of plant species. The Bioengineering BSc programme is taught in English, and it began in the winter semester of 2012/2013 in Kleve. It has since achieved international recognition, particularly among students: over 60 countries are represented by the students currently pursuing their degree in this programme.

The Bioengineering BSc programme prepares graduates for a variety of career paths in different sectors within the chemical, pharmaceutical or biotechnological industries as well as for careers in research as well. Bioengineers are typically found in government agencies, agrotechnology, the food industry, the environmental industry or in waste management. Depending on your branch and specialisation, you can look forward to many interesting roles and activities: managing industrial production processes, contributing to R&D of new chemical production processes, or performing analyses and evaluating the findings.
## Course Details

### Course organisation

The **Bioengineering BSc** programme has a very pronounced focus in the natural sciences. The curriculum introduces a tight intermeshing of biology and chemistry with engineering and technology from the first semester onwards. Your studies will focus on the three main areas, or colours, of biotechnology: health and medicine (red), agriculture (green) and industry (white). Through your choice of electives, you can also add additional emphasis in plant biotechnology and industrial biotechnology. The broad scope of your studies is complemented by small group work and modern laboratories for teaching and research.

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<table>
<thead>
<tr>
<th>A Diploma supplement will be issued</th>
<th>Yes</th>
</tr>
</thead>
</table>

### International elements

- Integrated study abroad unit(s)
- Language training provided
- Projects with partners in Germany and abroad

### Integrated study abroad unit(s)

In the sixth semester, students must complete either a semester abroad or an internship of at least 20 weeks (in Germany or abroad). We provide support in selecting partner universities and institutions as well as in raising funds.

### Integrated internships

An eight-week internship has to be completed before the start of the fourth semester. You can also do this internship in your home country before applying to Rhine-Waal University of Applied Sciences.

In the sixth semester, students must complete either a semester abroad or an internship of at least 20 weeks (in Germany or abroad). We provide support in selecting partner universities and institutions as well as in raising funds. The internship must be closely related to the subject areas of the degree programme’s curriculum: natural sciences, engineering, organisational and/or economic topics. Areas of production or medical institutions focusing on biotechnology/bioengineering are also acceptable.

<table>
<thead>
<tr>
<th>Course-specific, integrated German language courses</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course-specific, integrated English language courses</td>
<td>Yes</td>
</tr>
<tr>
<td>The course of study can be taken entirely online</td>
<td>No</td>
</tr>
<tr>
<td>Digital learning and teaching modules</td>
<td>Blended learning</td>
</tr>
<tr>
<td>Description of e-learning elements</td>
<td>Online educational materials</td>
</tr>
<tr>
<td>Participation in the e-learning course elements is compulsory</td>
<td>Yes</td>
</tr>
<tr>
<td>Can ECTS points be acquired by taking the online programmes?</td>
<td>No</td>
</tr>
</tbody>
</table>
Can the e-learning elements be taken without signing up for the course of study? No

### Costs / Funding

<table>
<thead>
<tr>
<th>Cost Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition fees per semester in EUR</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Semester contribution</strong></td>
<td>Enrolment fees amount to approx. 310 EUR per semester. This covers nominal administrative fees and a public transport ticket valid for the entire federal state of North Rhine-Westphalia.</td>
</tr>
<tr>
<td><strong>Funding opportunities within the university</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Description of the above-mentioned funding opportunities within the university</strong></td>
<td>The university offers a limited number of merit-based scholarships (&quot;Deutschlandstipendium&quot;) to both current students and students who are soon to be enrolled with excellent marks. This scholarship consists of a monthly stipend of 300 EUR and applies to international students as well. Further information is available on our website: <a href="https://www.hochschule-rhein-waal.de/en/academics/students/costs-scholarships-and-grants/scholarships-and-financial-aid">https://www.hochschule-rhein-waal.de/en/academics/students/costs-scholarships-and-grants/scholarships-and-financial-aid</a>.</td>
</tr>
</tbody>
</table>

### Requirements / Registration

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Academic admission requirements</strong></td>
<td>Rhine-Waal University of Applied Sciences welcomes applications from nationals of all countries. Please see our website for general admission requirements:<a href="https://www.hochschule-rhein-waal.de/en/academics/prospective-students/current-application-period/bachelors-programmes">https://www.hochschule-rhein-waal.de/en/academics/prospective-students/current-application-period/bachelors-programmes</a></td>
</tr>
</tbody>
</table>
| **Language requirements**          | Please note that English language skills at level B2 according to the Common European Framework of Reference are required for our Bachelor's degree programmes. Please be aware that all applicants' test report form numbers will be checked. The following certificates are accepted:  
  - IELTS: level CEFR B2 or better  
  - TOEFL: level CEFR B2 or better  |
| **Application deadline**           | All applicants: 15 July for the following winter semester                                                                                                                                 |
| **Submit application to**          | Applications must be submitted online through uni-assist. Please do not submit any applications in hard copy. See our website for details: [http://www.hochschule-rhein-waal.de/en/academics/prospective-students](http://www.hochschule-rhein-waal.de/en/academics/prospective-students) |
### Possibility of finding part-time employment

Non-EU students can work up to 120 full days or 240 half days per year without requiring an additional visa. Student jobs within the university can be solely in English, but the vast majority of off-campus jobs will require at least basic proficiency in German. German courses are available for students through our International Center.

First-year students are strongly advised to focus primarily on their studies and to begin learning German. This will open up many more part-time job opportunities in later semesters.

### Accommodation

Rhine-Waal University of Applied Sciences strongly urges you to arrange your accommodation before arrival. One option is accommodation at the residence halls run by student services ("Studierendenwerk Düsseldorf") with one-, two- or three-room flats and rent starting around 260 EUR per month (with a security deposit equivalent to three months’ rent). Availability is limited, so register online as soon as possible. See our website for details.

Most students live in private flats shared with other students. There are a number of popular online portals for finding a flat in Germany. Contact the Welcome Centre for more information or look into social media platforms because some students might be graduating when you plan to start. Additionally, the Welcome Centre is always ready to offer advice or help with conversations or correspondence in German.

### Career advisory service

Internship, student job or first steps in a new career – the Career Service of Rhine-Waal University of Applied Sciences is here to help with a broad range of useful services.

Correspondingly, we act as bridge builders between students and fresh graduates, the university and companies or organisations from industry, science, social sectors etc. Our overall goal is to "help others help themselves" by supporting capacity development in students and fresh graduates with respect to their individual career paths.

### Specific specialist or non-specialist support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Tutors
- Specialist counselling
Rhine-Waal University of Applied Sciences

Andreas Obers
PhD Student

„The student life was fantastic. I enjoyed my time a lot because the programme was rather small and the connections among students and also to professors were very close. These connections led to long-term friendships with both students and professors.“
range of cutting edge facilities, laboratories, work spaces, smart classrooms, and auditoriums.

The result is a memorable and valuable university experience, which will help you grow as a person and set you on the path to your chosen career. We look forward to welcoming you!

University location

Rhine-Waal University of Applied Sciences is centrally and conveniently located on the Lower Rhine between the Netherlands and the Rhine-Ruhr metropolis.

Kleve, where our main Campus is located, is a city rich in tradition and history, and it currently has 51,000 residents. It offers the best of both worlds: the bustle and excitement of nearby cities like Nijmegen, Düsseldorf, and Cologne with the safety, comfort, and ambience of a smaller town. The flat landscapes, mild climate, and good infrastructure of the Lower Rhine make it ideal for getting around by bicycle. Noteworthy sights include the Swan Castle, Baroque-style botanical gardens, museums, and art galleries. The town is home to large department stores and smaller boutiques, pubs, cafés, and more. Students can also participate in a range of sports offered both by the university and local clubs.

Kamp-Lintfort, our campus for the Faculty of Communication and Environment, has a current population of around 38,000 and is located 60 km (37 miles) south of Kleve. Kamp-Lintfort takes its name from a nearly 900-year-old monastery, maintained in its original style to this day. The city’s proximity to the Rhine-Ruhr metropolis made it an integral part of post-WWII coal production in Germany. In recent years, Kamp-Lintfort has redefined itself as a hub of technology, innovation, and higher education. The Kamp-Lintfort campus is centrally and conveniently located in the centre of town. In addition to its historical sights, Kamp-Lintfort offers a welcoming and safe atmosphere for students with numerous shops, pubs, cafés, and sports.

Contact

Rhine-Waal University of Applied Sciences
Zentrale Studienberatung

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47533 Kleve

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studienberatung@hochschule-rhein-waal.de

https://de-de.facebook.com/hochschulerheinwaal
https://twitter.com/HochschuleRW
https://www.linkedin.com/school/rhine-waal-university
https://www.instagram.com/hsrheinwaal/

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