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## RWTH Aachen University

### The Big Picture in Figures

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- Publications: 9,912
Students in Winter Semester 2020/21

- Highest number of students in the history of RWTH: There has been an increase of nearly 15,000 students compared to ten years ago.
- Every tenth student at a (not-distance-learning) university in NRW studies at RWTH.
- Statistically spoken one in five inhabitants of Aachen is a student at RWTH.
- 34,470 of RWTH students are between 20 and 29 years old. This is equivalent to 57% of all Aachen inhabitants in this age group.
Development of the Number of Students

47,173

15,357 \{ 33\% \text{ Female Students} \}

31,816 \{ 67\% \text{ Male Students} \}

<table>
<thead>
<tr>
<th>Year</th>
<th>RWTH total</th>
<th>Engineering Science</th>
<th>Natural Science</th>
<th>Humanities, Social Sciences and Economics</th>
<th>Medicine, Dentistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010/11</td>
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<td>2014/15</td>
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<td>2016/17</td>
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<tr>
<td>2018/19</td>
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<tr>
<td>2020/21</td>
<td></td>
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</tbody>
</table>
Catchment Area of Students Winter Semester 2020/21

47,173

15,357 \{33\% \text{ Female Students}}

31,816 \{67\% \text{ Male Students}}

Basis: Location of the acquired higher education entrance qualification
Students by Degree

47,173

33% Female Students

15,357

67% Male Students

31,816

52% Bachelor

31% Master

4% Education

5% State Examination (Medicine)

7% Doctoral Degree

1% Diplom/Other
Students by Discipline

- **47,173** students in total
  - **33% Female Students**: 15,357
  - **67% Male Students**: 31,816

Disciplines:

- **Engineering**: 57%
- **Natural Sciences**: 25%
- **Humanities, Social Sciences and Economics**: 12%
- **Medicine**: 6%
Students by Discipline

47,173

- 15,357 (33% Female Students)
- 31,816 (67% Male Students)

17% Electrical Engineering and Information Technology
7% Material Science and Engineering
3% Mineral Resources and Raw Materials Engineering
7% Architecture
18% Civil Engineering
48% Mechanical Engineering
RWTH Aachen University
The Big Picture in Figures

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- Publications: 9,912
International Students

12,477

3,906 \{ 31\% \text{ Female Students} \\
8,572 \{ 69\% \text{ Male Students} \\

- Students from 138 countries
- Students from 82\% off all large countries\(^1\)
- Most common countries of origin: China, India and Turkey
- Most common countries of origin related to the number of inhabitants: Luxembourg, Andorra, Cyprus, Bulgaria
- High amount of international students: 26\% in comparison to the average number of students at German universities (14\%)
International Students by Degree

12,477

3,906 \{ 31\% \text{ Female Students} \}

8,572 \{ 69\% \text{ Male Students} \}

40\% \text{ Bachelor}

46\% \text{ Master}

3\% \text{ State Examination (Medicine)}

3\% \text{ Erasmus/Other}

7\% \text{ Doctoral Degree}

1\% \text{ Education}
RWTH Aachen University
The Big Picture in Figures

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New Enrolments in Winter Semester 2020/21
First and higher Subject-Related Semester

10,588

3,618 \{ 34\% \text{ Female Students} \\
6,970 \{ 66\% \text{ Male Students} \\

- More than 1 in 10 of NRW’s new students is enrolled at RWTH.
- 58 \% of the new students are enroled in Bachelor degree courses.
- 56 \% of the new students study in the field of engineering.
- 26 \% of the new students study mechanical engineering.
Students in First Subject-Related Semester in Winter Semester 2020/21
All Students in First Subject-Related Semester

10,588

3,618  \{ 34\%  \text{ Female Students} \\
6,970  \{ 66\%  \text{ Male Students} \\

58\%  \text{ Bachelor} \quad 30\%  \text{ Master} \quad 5\%  \text{ Education} \quad 3\%  \text{ State Examination (Medicine)} \quad 2\%  \text{ Doctoral Degree} \quad 2\%  \text{ Other}
# Bachelor and Master 2020

## Students in First Subject-Related Semester & Graduates

**Students in First Subject-Related Semester**

- **Bachelor**: 6,093
- **Master**: 4,556

**Graduates**

- **Bachelor**: 2,516
- **Master**: 3,563

---

**Data Basis:**

- Students in First Subject-Related Semester (SS 2020 + WS 2020/21)
- Graduates in WS 2019/20 and SS 2020
Graduates 2020

6,657

2,260 \{ 34\% \text{ Female Graduates} \}

4,397 \{ 66\% \text{ Male Graduates} \}

- In 8 of the 30 largest German corporations\(^1\) the director board includes at least one graduate of RWTH as a member.
- No other university has more graduates who are CEO of a DAX corporation.
- The nobelists Peter Debye and Thomas Südhof studied in Aachen.
- The alumni network counts more than 23,000 members, for whom worldwide events are regularly offered.

\(^1\) DAX Companies as of March 2021
Graduates 2020

- 6,657 graduates
- 2,260 female graduates (34%)
- 4,397 male graduates (66%)

Categories:
- Bachelor: 2,887 (2019), 2,516 (2020)
Doctoral Degrees 2020

1,017

340 \{ 33\% \text{ Women} \\
677 \{ 67\% \text{ Men}

- More than 9\% of all doctoral degrees in the field of engineering are awarded in Aachen.
- RWTH has a DFG Graduate School, 14 Graduate Colleges and 22 other doctoral programmes.
- The Centre for Doctoral Studies provides 3,000 positions in more than 200 different workshops, courses and seminars for the doctoral candidates every year.
Within the last ten years the number of professors increased by 79.

Within the last ten years the number of female professors almost doubled.

The amount of professors in the field of MINT is 66%.

About 5% of the professors are junior professors.
Professors by Discipline 2020

553

105 \{19\% \text{ Female Professors}}

448 \{81\% \text{ Male Professors}}

32\%

34\%

12\%

22\%

Engineering

Natural Sciences

Humanities, Social Sciences and Economics

Medicine
The university employs more than 1,462 international employees.

About two thirds of the employees are academic staff.

RWTH has the largest on the job training in the region of Aachen.

Currently, RWTH offers 537 training positions.
Staff 2020

10,156

3,556 \{35\% \text{ Female Employees}}

6,600 \{65\% \text{ Male Employees}}

Staff from Grants from the State of NRW

Staff from third party Funding

Staff from Special Funds

Trainees / Interns

5,241

3,857

521

537

RWTH Aachen University
The Big Picture in Figures
Department 6.0 Planning, Development & Controlling
Total Grants and Funding 2020

1.05 Billion €

\[\begin{align*}
&\text{Grants from the State of NRW} & 562.3 \text{ Million €} \\
&\text{Project Funds} & 486.7 \text{ Million €}
\end{align*}\]

- The state grant is 441.7 million € for the university without medicine and 120.6 million € for the faculty of medicine.
- The project funds are 403.7 million € for research and 83.0 million € for teaching.
- RWTH is the university in Germany with the most third party funds.
- Since 2010 the amount of third party funds for research increased by about 145 million €.
Source of Grants and Funding

1.05 Billion €

- 529.3 Million € Grants from the State of NRW
- 506.4 Million € Project Funds

- 156.5 Million € Foundations
- 100.1 Million € DFG
- 84.3 Million € Industry and Economy
- 83.0 Million € Teaching Funds (QVM, QL & HSP)
- 27.5 Million € Other
- 27.3 Million € EU
- 8.1 Million € BMBF and other Federal Departments

1.05 Billion € Total

RWTH Aachen University
The Big Picture in Figures
Department 6.0 Planning, Development & Controlling
Source of Grants and Funding

1.05 Billion €

529.3 Million €
Grants from the State of NRW

506.4 Million €
Project Funds

20.6 DFG

17.3 Industry and Economy

32.1 BMBF and other Federal Departments

17.1 Teaching Funds (QVM, QL & HSP)

1.7 Foundations

5.6 EU

5.6 Other
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Performance Indicator Publications

Publications in Total

- More than 102,000 publications during the last eleven years
- About 900,000 citations since 2010 on RWTH publications
- In average 92,000 citations of publications of staff members of RWTH each year*

Source: RWTH Publications & Web of Science

*Basis: citations of the years 2005-2018
Performance Indicators
New Publications per Year

Publications in Total

Number of new publications (RWTH Publications):

<table>
<thead>
<tr>
<th>Year</th>
<th>2007</th>
<th>2009</th>
<th>2011</th>
<th>2013</th>
<th>2015</th>
<th>2017</th>
<th>2019</th>
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<tr>
<td></td>
<td>6,584</td>
<td>7,843</td>
<td>9,079</td>
<td>8,867</td>
<td>9,699</td>
<td>9,748</td>
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Source: RWTH Publications

Quelle: RWTH Publications

RWTH Aachen University
The Big Picture in Figures
Department 6.0 Planning, Development & Controlling
Many rankings certify RWTH best scores.

In its 2020 edition, the QS Ranking ranks RWTH Aachen University in 18th place among the best universities in mechanical engineering worldwide.

In WiWo Ranking 2020 RWTH is placed first considering computer science and industrial engineering. In mechanical engineering, electrical engineering and natural sciences RWTH achieves the 2nd place.

Allensbacher Inst. f. Demoskopie: 70 % of German managers have got a positive image of RWTH Aachen – no other university was better evaluated.
**Would you choose the same university again?**

- 79% of Master and 71% of Bachelor graduates would choose RWTH again as place of study.
- The rate at other universities is lower with 73% and 69%.
- RWTH graduates are sought after by employers: 99% of the graduates have found a job not later than 18 months after their graduation.

*Graduates in Academic Year 2018*
First Semester Survey

**RWTH is the desired university of First Semester Students**

- First semester students are generally pleased with RWTH and their subject of study.
- 87 % study their desired subject, 88 % study at their desired university.
- Most common reason why people decide to study in Aachen is the reputation: 87 % name the good reputation of RWTH as a reason.
- Other reasons: „Recommendation of third party“ (57 %), „RWTH Aachen positions in a University Ranking“ (54 %), which are more important than the reasons „proximity to hometown“ (44 %) and „facilities of RWTH Aachen“ (31 %).
Thinking the Future
Zukunft denken