RWTH Aachen University
The Big Picture in Figures
State: May 2019
RWTH Aachen University
The Big Picture in Figures

- Students in Total: 45,256
- Professors: 564
- International Students: 10,455
- Staff (Full-Time Equivalent): 9,655
- New Enrolments: 10,251
- Financial volume Total Budget in Million €: 998.5
- Graduates: 7,164
- Publications: 9,404

Total Budget in Million €:
- Public: 564
- Private: 9,404
- Total: 10,251

Financial Volume:
- Total Budget: 998.5 million €

Total Enrolments:
- Public: 45,256
- Private: 10,251
- Total: 55,507

Publications:
- Public: 9,404
- Private: 998.5
- Total: 10,402.5
Students in Winter Semester 2018/19

45,256

14,707 \{ 32\% \text{ Female Students} \}

30,549 \{ 68\% \text{ Male Students} \}

- Highest number of students in the history of RWTH: There has been an increase of nearly 10,000 students compared to five years ago.
- Every tenth student at a (not-distance-learning) university in NRW studies at RWTH.
- Statistically spoken one in six inhabitants of Aachen is a student at RWTH.
- 34,226 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

45,256

14,707 \{ 32\% \text{ Female Students} \}

30,549 \{ 68\% \text{ Male Students} \}

RWTH gesamt
Ingenieurwissenschaften
Naturwissenschaften
Geistes-, Gesellschafts- und Wirtschaftswissenschaften
Medizin

RWTH Aachen University
The Big Picture in Figures
Department 6.0 Planning, Development & Controlling
Catchment Area of Students Winter Semester 2018/19

- **45,256**
- **14,707** Female Students (32%)
- **30,549** Male Students (68%)

- **13%** Aachen
- **49%** Remaining NRW
- **17%** Other Federal States of Germany
- **20%** International

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

45,256

14,707 \{ 32\% \text{ Female Students} \}

30,549 \{ 68\% \text{ Male Students} \}

% Distribution by Discipline:

- Engineering: 57\%
- Natural Sciences: 24\%
- Humanities, Social Sciences, and Economics: 12\%
- Medicine: 7\%
Students by Discipline

45,256

32% Female Students
30,549

68% Male Students

14,707

18% Electrical Engineering and Information Technology

8% Material Science and Engineering

3% Mineral Resources and Raw Materials Engineering

6% Architecture

16% Civil Engineering

49% Mechanical Engineering

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International Students

- Students from 125 countries
- Students from 76% 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 and Bulgaria
- High amount of international students: 23.1% in comparison to the average number of students at German universities (13%)

Data Basis: Nationality

\(^1\) Countries with a population of more than 1 million inhabitants.
International Students by Degree

- Bachelor: 39%
- Master: 42%
- State Examination (Medicine): 3%
- Erasmus/Other: 7%
- Doctoral Degree: 9%

Total: 10,455

Female Students: 3,417 (33%)
Male Students: 7,038 (67%)
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New Enrolments in Winter Semester 2018/19
First and higher Subject-Related Semester

10,251

3,646 \{ 36\% \text{ Female Students} \}

6,605 \{ 64\% \text{ Male Students} \}

- More than 1 in 10 of NRW’s new students is enrolled at RWTH.
- 56 \% 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 2018/19
All Students in First Subject-Related Semester

10,251

3,646 \{ 36\% \text{ Female Students} \\
6,605 \{ 64\% \text{ Male Students} \\

56\% \text{ Bachelor} \quad 28\% \text{ Master} \quad 6\% \text{ Teaching Degree} \quad 3\% \text{ State Examination} \quad 2\% \text{ Doctoral Degree} \quad 5\% \text{ Other}
Bachelor and Master 2018
Students in First Subject-Related Semester & Graduates

12,330
Students in First Subject-Related Semester

6,306
Bachelor

4,555
Master

Data Basis: Students in First Subject-Related Semester (SS 2018 + WS 2018/19)

7,164
Graduates

3,049
Bachelor

3,752
Master

Data Basis: Graduates in WS 2017/18 and SS 2018
Graduates 2018

7,164

2,392 \{33\% \text{ Female Graduates}\}

4,772 \{67\% \text{ Male Graduates}\}

- One of four boards of directors of the 30 largest German corporations\(^1\) includes at least one graduate of RWTH as a member.
- No other university has more graduates that 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 in May 2019
Graduates 2018

7,164

2,392 \{ 33\% \text{ Female Graduates} \}

4,772 \{ 67\% \text{ Male Graduates} \}

Staatsexamen (Med.): 262 (2018), 274 (2017)
More than 9% of all doctoral degrees in the field of engineering are awarded in Aachen even though only 5% of all German Master-graduates of engineering graduate at RWTH.

- RWTH has a DFG Graduate School, 14 Graduate Colleges and 19 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.
Doctoral Degrees 2018

904

290 \{ 32\% \text{ Women} \}

614 \{ 68\% \text{ Men} \}

- Medicine
- Mechanical Engineering
- Electrical Engineering
- Materials Science
- Chemistry
- Biology
- Physics
- Humanities and Social Sciences
- Other

RWTH Aachen University
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Department 6.0 Planning, Development & Controlling
<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
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Within the last ten years the number of professors increased by more than 140.

The amount of female professors has more than doubled in the last ten years.

The amount of professors in the field of MINT is 64%.

About 7% of the professors are junior professors.
Professors by Discipline 2018

564

98 \{ \ 17\% \text{ Female Professors} \\

456 \{ \ 83\% \text{ Male Professors} \\

31\% \quad \text{Engineering} \quad 33\% \quad \text{Natural Sciences} \quad 13\% \quad \text{Humanities, Social Sciences and Economics} \quad 23\% \quad \text{Medicine}
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The university employs more than 1,300 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 700 training positions.
Staff 2018

9,655

Staff from Grants from the State of NRW
4,828

Staff from third party Funding
3,420

Staff from Special Funds
649

Trainees / Interns
599

3,148 \{ 33\% \text{ Female Employees} \}

6,505 \{ 67\% \text{ Male Employees} \}
Total Grants and Funding 2018

998.5 Million €

- The state grant is 402.8 million € for the university without medicine and 112.2 million € for the faculty of medicine.
- The project funds are 385.3 million € for research and 98.2 million € for teaching.
- RWTH Aachen is one of the universities in Germany with the most third party funds.
- In the last seven years the amount of third party funds for research increased by about 127 million €.
Source of Grants and Funding

998.5 Million €

- 514.9 Million € from the State of NRW
- 483.5 Million € of Project Funds

- Teaching Funds (QVM, QL & HSP)
- BMBF and other Federal Departments
- DFG
- Industry and Economy
- EU
- Other

- NRW
- Foundations
- EU
- Other

4.9 million €
Source of Grants and Funding

998.5 Million €

514.9 Million €

Grants from the State of NRW

483.5 Million €

Project Funds

Teaching Funds (QVM, QL & HSP)

23.1

BMBF and other Federal Departments

20.3

DFG

18.9

Industry and Economy

5.5

EU

1.6

Foundations

0.3

NRW

Other

10.15

%
Performance Indicator
Publications

Publications in Total

- More than 88,000 publications during the last ten years
- About 700,000 citations since 2008
- In average 78,000 citations of publications of staff members of RWTH each year*
- In average 12,5 citations per scientist per year

Source: RWTH Publications & Web of Science

*Basis: citations of the years 2005-2015
Performance Indicator
New Publications per Year

Publications in Total

{72,375} 2000

{208,765} 2018

Source: RWTH Publications

Number of new publications per year (RWTH Publications):

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<thead>
<tr>
<th>Year</th>
<th>2005</th>
<th>2007</th>
<th>2009</th>
<th>2011</th>
<th>2013</th>
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<td></td>
<td>5,717</td>
<td>6,557</td>
<td>7,815</td>
<td>9,046</td>
<td>8,759</td>
<td>9,587</td>
<td>9,404</td>
</tr>
</tbody>
</table>

Source: RWTH Publications
Many rankings certify RWTH best scores. 

In 2018, RWTH achieves the 27\textsuperscript{th} place in the THE Ranking in subject Engineering & Technology, which belongs to the most significant rankings worldwide. In the QS Ranking by Subject the RWTH reached 31\textsuperscript{st} place.

In WIWO Ranking RWTH is placed first considering mechanical engineering, electrical engineering and industrial engineering. In natural sciences and computer science RWTH achieves the 2\textsuperscript{nd} place.

Allensbacher Inst. f. Demoskopie: 70 \% of German managers have got a positive image of RWTH Aachen – no other university was better evaluated.
Graduates Survey

Would you choose the same University again?

- 80% of Master and 76% of Bachelor graduates would choose RWTH again as place of study.
- The rate at other universities is lower with 73% and 68%.
- RWTH graduates are sought after by employers: 98.9% of the graduates have found a job not later than 18 months after their graduation.

*Graduates in Academic Year 2016
First Semester Survey

- 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%).