RWTH Aachen University
The Big Picture in Figures

- Students in Total: 44,517
- Professors: 540
- International Students: 8,556
- Staff (Full-Time Equivalent): 9,264
- New Enrolments: 10,819
- Total Budget in Million €: 900.0
- Graduates: 7,184
- Publications: 9,053
Students in Winter Semester 2016/17

44,517

14,186 \( \text{\{32\% Female Students}} \)

30,331 \( \text{\{68\% Male Students}} \)

- 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 ninth student at a traditional university in NRW studies at RWTH.
- Statistically spoken one in six inhabitants of Aachen is a student at RWTH.
- 34,202 of RWTH students are between 20 and 29 years old. This is equivalent to 60 \% of all Aachen inhabitants in this age group.
Development of the Number of Students

44,517

14,186 \{ 32\% \text{ Female Students} \}

30,331 \{ 68\% \text{ Male Students} \}

- Total RWTH
- Engineering
- Natural Sciences
- Medicine
- Humanities, Social Sciences and Economics
Catchment Area of Students Winter Semester 2016/17

44,517

14,186 \{ 32\% \text{ Female Students} \\
30,331 \{ 68\% \text{ Male Students} \\

14\% \text{ Aachen} \quad 51\% \text{ Remaining NRW} \quad 18\% \text{ Other Federal States of Germany} \quad 17\% \text{ International}
Students by Degree

44,517

14,186

32% Female Students

30,331

68% Male Students

50% Bachelor

28% Master

5% Teaching Degree

5% State Examination (Medicine)

10% Doctoral Degree

2% Diplom/Others

RWTH Aachen University
The Big Picture in Figures
Department 6.0 Planning, Development & Controlling
Students by Discipline

44,517

30,331

14,186

32% Female Students

68% Male Students

58%

23%

12%

7%

Engineering
Natural Sciences
Humanities, Social Sciences and Economics
Medicine
Students by Discipline

44,517

14,186 \( \{32\% \text{ Female Students}\)

30,331 \( \{68\% \text{ Male Students}\)

- 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

32\% Female Students
68\% Male Students
International Students

8,556

2,877 \{34\% \text{ Female Students} \}

5,679 \{66\% \text{ Male Students} \}

- Students from 127 countries
- Students from 77\% 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, Bulgaria, Belgium and Greece
- High amount of international students: 19.2\% in comparison to the average number of students at German universities (10.9\%)

Data Basis: Nationality

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

8,556

2,877 \{ 34\% \text{ Female Students} \}

5,679 \{ 66\% \text{ Male Students} \}

Bachelor: 35\%

Master: 41\%

State Examination (Medicine): 3\%

Erasmus/Other: 9\%

Doctoral Degree: 12\%
RWTH Aachen University
The Big Picture in Figures

- **Students in Total:** 44,517
- **Professors:** 540
- **International Students:** 8,556
- **Staff (Full-Time Equivalent):** 9,264
- **New Enrolments:** 10,819
- **Total Budget in Million €:** 900.0
- **Graduates:** 7,184
- **Publications:** 9,053
New Enrolments in Winter Semester 2016/17 First and higher Subject-Related Semester

10,819

$\begin{align*}
3,595 & \quad \text{33\% Female Students} \\
7,224 & \quad \text{67\% Male Students}
\end{align*}$

- In WS 16/17 the number of new enrolments reaches the highest level in the history of RWTH.
- More than 1 in 10 of NRW’s new students is enrolled at RWTH.
- 57\% of the new students are enroled in Bachelor degree courses.
- 58\% of the new students study in the field of engineering.
- 27\% of the new students study mechanical engineering.
Students in First Subject-Related Semester in Winter Semester 2016/17
All Students in First Subject-Related Semester

10,819

3,595 \{ 33\% \text{ Female Students} \}

7,224 \{ 67\% \text{ Male Students} \}

54\% \text{ Bachelor}

29\% \text{ Master}

5\% \text{ Teaching Degree (Medicine)}

3\% \text{ State Examination}

4\% \text{ Doctoral Degree}

5\% \text{ Other}

RWTH Aachen University
The Big Picture in Figures
Department 6.0 Planning, Development & Controlling
# Bachelor and Master 2016

Students in First Subject-Related Semester & Graduates

<table>
<thead>
<tr>
<th></th>
<th>Bachelor</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>10,477</td>
<td></td>
</tr>
<tr>
<td>First Subject-Related Semester</td>
<td>5,944</td>
<td>4,521</td>
</tr>
<tr>
<td>Graduates</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor</td>
<td>3,224</td>
<td></td>
</tr>
<tr>
<td>Master</td>
<td></td>
<td>3,249</td>
</tr>
</tbody>
</table>

Data Basis: Students in First Subject-Related Semester (SS 16 + WS 16/17)

Data Basis: Graduates in WS 2015/16 and SS 2016
Graduates 2016

7,184

\[
\begin{align*}
2,292 & \quad \{ \quad 32\% \text{ Female Graduates} \\
4,892 & \quad \{ \quad 68\% \text{ Male Graduates}
\end{align*}
\]

- One of four boards of directors of the 30 largest German corporations\(^1\) includes a 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 16,000 members, for whom worldwide events are regularly offered.

\(^1\) DAX Companies in April 2017
Graduates 2016

7,184

2,292 \{ 32\% \text{ Female Graduates} \}

4,892 \{ 68\% \text{ Male Graduates} \}

Doctoral Degrees 2016

- 10 % of all doctoral degrees in the field of engineering are awarded in Aachen even though only 5.8 % of all German Master-graduates of engineering graduate at RWTH.

- RWTH has a DFG Graduate School, eight Graduate Colleges and nine 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 2016

893

298 \{33\% \text{ Women}\}

595 \{67\% \text{ Men}\}

Medicine

Mechanical Engineering

Biology

Chemistry

Electrical Engineering

Physics

Materials Science

Humanities and Social Sciences

Other

227

180

74

69

67

56

52

41

RWTH Aachen University
The Big Picture in Figures
Department 6.0 Planning, Development & Controlling
RWTH Aachen University
The Big Picture in Figures

- Students in Total: 44,517
- Professors: 540
- International Students: 8,556
- Staff (Full-Time Equivalent): 9,264
- New Enrolments: 10,819
- Total Budget in Million €: 900.0
- Graduates: 7,184
- Publications: 9,053
• Within the last seven years the number of professors increased by about 100.
• The amount of female professors has almost doubled in the last seven years.
• The amount of professors in the field of MINT is 67 %.
• About 9 % of the professors are junior professors.
Professors by Discipline 2016

540

32% Engineering

35% Natural Sciences

16% Female Professors

451

84% Male Professors

13% Humanities, Social Sciences and Economics

20% Medicine

• The university employs more than 1,000 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 731 training positions.
Staff 2016

9,264

3,052 \{33\% \text{ Female Employees}}

6,212 \{67\% \text{ Male Employees}}

4,620 \text{ Staff from Grants from the State of NRW}

3,300 \text{ Staff from third party Funding}

672 \text{ Trainees / Interns}

675 \text{ Staff from Special Funds}
Total Grants and Funding 2016

900.0 million €

481.3 million €

Grants from the State of NRW

418.7 million €

Project Funds

• The state grant is 374.1 million € for the university without medicine and 107.2 million € for the faculty of medicine.

• The project funds are 325.7 million € for research and 93.0 million € for teaching.

• RWTH Aachen is the university in Germany with the most third party funds.

• In the last seven years the amount of third party funds for research increased by about 100 million €.
Source of Grants and Funding

900.0 million €

481.3 million €

Grants from the State of NRW

418.7 million €

Project Funds

BMBF and other Federal Departments

90.1 million €

Industry and Economy

69.2 million €

DFG

94.4 million €

Teaching Funds (QVM, QL & HSP)

79.1 million €

Other

52.9 million €

EU

481.3 million €

7.6

Foundations

418.7 million €

24.9

NRW

900.0 million €

0.5

Grants from the State of NRW

248.7

Project Funds

94.4

Industry and Economy

69.2

Teaching Funds (QVM, QL & HSP)

7.6

Foundations
Source of Grants and Funding

900.0 million €

481.3 million €

Grants from the State of NRW

Project Funds

418.7 million €

BMBF and other Federal Departments

Industry and Economy

22.5%

21.5%

18.9%

16.5%

12.6%

5.9%

0.1%

1.8%

12.6

18.9

5.9

0.1

1.8

Grants from the State of NRW

EU

Foundations

Teaching Funds (QVM, QL & HSP)

DFG

Other

NRW
<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students in Total</td>
<td>44,517</td>
</tr>
<tr>
<td>International Students</td>
<td>8,556</td>
</tr>
<tr>
<td>New Enrolments</td>
<td>10,819</td>
</tr>
<tr>
<td>Graduates</td>
<td>7,184</td>
</tr>
<tr>
<td>Professors</td>
<td>540</td>
</tr>
<tr>
<td>Staff (Full-Time Equivalent)</td>
<td>9,264</td>
</tr>
<tr>
<td>Total Budget in Million €</td>
<td>900.0</td>
</tr>
<tr>
<td>Publications</td>
<td>9,053</td>
</tr>
</tbody>
</table>
Performance Indicator
Publications

Publications in Total

- More than 83,000 publications during the last ten years
- About 566,000 citations since 2006
- About 56,000 citations of publications of staff members of RWTH each year
- In average 24 citations per scientist per year

Source: RWTH Publications
Performance Indicator
New Publications per Year

Publications in Total

<table>
<thead>
<tr>
<th>Year</th>
<th>Publications</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>72,251</td>
</tr>
<tr>
<td>2016</td>
<td>190,706</td>
</tr>
</tbody>
</table>

Number of new publications per year (RWTH Publications):

<table>
<thead>
<tr>
<th>Year</th>
<th>Publications</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>5,460</td>
</tr>
<tr>
<td>2006</td>
<td>5,971</td>
</tr>
<tr>
<td>2008</td>
<td>7,154</td>
</tr>
<tr>
<td>2010</td>
<td>8,733</td>
</tr>
<tr>
<td>2012</td>
<td>8,853</td>
</tr>
<tr>
<td>2014</td>
<td>8,689</td>
</tr>
<tr>
<td>2016</td>
<td>9,053</td>
</tr>
</tbody>
</table>

Source: RWTH Publications
Performance Indicator
Reputation

Many rankings certify RWTH best scores.

In 2016, RWTH improves by 32 places and achieves the 78th place in the THE Ranking, which belongs to the most significant rankings world-wide.

In WIWO Ranking RWTH is placed first considering computer science, mechanical engineering and industrial engineering. In natural sciences and electrical engineering RWTH reaches TOP3-Scores.

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?

- 79% of Master and 75% of Bachelor graduates would choose RWTH again as place of study.
- The rate at other universities is considerably lower with 73% and 69%.
- RWTH graduates are sought after by employers: 1.5 years after their graduation only 7% of graduates are seeking work.

*Graduates in Academic Year 2014

Average Master (Germany nationwide)

73%

RWTH Master

79%
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.
- 89 % study their desired subject, 92 % study at their desired university.
- Most common reason why people decide to study in Aachen is the reputation: 89 % name the good reputation of RWTH as a reason.
- Other reasons: „RWTH Aachen positions in a University Ranking“ (60 %), „Recommendation of third party“ (62 %), which are more important than the reasons proximity to hometown (46 %) and facilities of RWTH Aachen (35 %).
Thinking the Future
Zukunft denken