German University System

DIES-Delegation, 16th - 17th October 2018

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President of Fulda University of Applied Sciences
Vice-President of the German Rectors' Conference (HRK)
Spokesman of the Universities of Applied Sciences in the HRK
### System of higher education

**Germany**

<table>
<thead>
<tr>
<th>Type of University</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>total</strong></td>
<td>396</td>
</tr>
<tr>
<td>traditional Universities</td>
<td>121</td>
</tr>
<tr>
<td>Universities of Applied Sciences</td>
<td>218</td>
</tr>
<tr>
<td>Colleges of Art and Music</td>
<td>57</td>
</tr>
<tr>
<td>state owned</td>
<td>240</td>
</tr>
<tr>
<td>private</td>
<td>117</td>
</tr>
<tr>
<td>owned by churches</td>
<td>39</td>
</tr>
</tbody>
</table>

German Rectors’ Conference (HRK) 2018
German system of higher education

Distribution of Universities

- Universities (traditional): 14%
- Universities of Applied Sciences: 31%
- Colleges of Art and Music: 55%

German Rectors’ Conference (HRK) 2018
System of higher education

Germany

**Students**

- Universities in total: approx. 2,850,000
- International students: 13.2%
  1. China
  2. India
- Universities (traditional): 1,750,000
- Universities of Applied Sciences: 982,000
- Colleges of Art and Music: 36,000

German Federal Office of Statistics 2018
German system of higher education

Distribution of Students

- 61% Universities (traditional)
- 35% Universities of Applied Sciences
- 4% Colleges of Art and Music, others

German Federal Office of Statistics 2018
German system of higher education

Trend of students

<table>
<thead>
<tr>
<th></th>
<th>Winter Semester 2005/2006</th>
<th>Winter Semester 2017/18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universities of Applied Sciences</td>
<td>0.5 Mio.</td>
<td>1.8 Mio.</td>
</tr>
<tr>
<td>Universities (traditional)</td>
<td>1.4 Mio.</td>
<td>1.0 Mio.</td>
</tr>
</tbody>
</table>

+30%  
+83%

German Federal Office of Statistics 2018
German system of higher education
From School to higher education

Primary School (4 years)
- Gymnasium (8 or 9 years)
- Realschule (6 years)
- Hauptschule (5 years)

Higher Education
- Fachober-schule (2 or 3 years)

Vocational training (3 years)
- Meister (2 years)
- Technician (2 years)

Employment
German system of higher education

Permeability

Bachelor 6-8 Sem.

Employment

Master 2-4 Sem.


Ph.D.

Employment

Ph.D.

Employment

Employment

Ph.D.

Non-cons. Master 2-4 Sem.

Consecutive Master 2-4 Sem.

Entrance exam
German system of higher education

Degree Structure: Bachelor and Master

- Cooperative doctoral (PhD) programmes with universities
- Partially independent right to award doctoral (PhD) programmes

Doctorate
3 years
(first stage of research career)

Bachelor
University of Applied Sciences
3, 3.5 or 4 years

Master
1, 1.5 or 2 years

Master
1, 1.5 or 2 years

Bachelor
University (traditional)
3, 3.5 or 4 years
# German system of higher education

<table>
<thead>
<tr>
<th></th>
<th>Universities (traditional)</th>
<th>Universities of Applied Science</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Professors’ Qualification:</strong></td>
<td>Doctorate/PhD, Habilitation</td>
<td>Doctorate/PhD + 5 years professional experience (min. 3 years outside HE-System)</td>
</tr>
<tr>
<td><strong>Average number of teaching lessons per week:</strong></td>
<td>8-10</td>
<td>18</td>
</tr>
<tr>
<td><strong>Focus:</strong></td>
<td>Rather theory oriented, fundamental research</td>
<td>Rather application oriented applied research to solve practical problems</td>
</tr>
<tr>
<td><strong>Doctorate:</strong></td>
<td>Right to award Doctorate/PhD</td>
<td>Mostly cooperative doctoral programmes and partially independent right to award doctoral (PhD) programmes</td>
</tr>
<tr>
<td><strong>Study programmes:</strong></td>
<td>Medicine, Law, Natural Sciences, Engineering (33%), Humanities, Social Sciences, Business (34%)</td>
<td>Engineering (67% of German engineers are educated at UAS), Computer Science (67%), Business (66%), Social and Health Sciences (74%)</td>
</tr>
</tbody>
</table>
Thank you... 
...for your attention!