



Technische
Universität
Braunschweig

Technische Universität Braunschweig Facts and Figures 2019

TU Braunschweig in figures

Students:	19,694 in the winter semester 2019/2020, including <ul style="list-style-type: none">· 7,955 women· 3,277 international students· 2,718 foreign students· 4,317 in the 1st study semester· 15,368 STEM students
Graduates:	3,330, including 1,408 women
Doctorates:	322, including 89 women
Faculty and staff:	6,419 staff members, including <ul style="list-style-type: none">· 2,580 women· 3,790 full-time· 2,629 part-time· 243 professors· 2,049 scientific staff· 1,400 technical and administrative staff members
Finances:	379,9 M, finance volume, including <ul style="list-style-type: none">· 116,8 M, third-party funding
Infrastructure:	Total <ul style="list-style-type: none">· 185 buildings (number of buildings and floor space: due date: December 31, 2019)· 431,635 m² useful area total· 270,023 m² useful area 1 to 6 (corresponding to 38 football fields*)· 32,346,700 kWh electricity** (corresponds to the consumption of approx. 9,287 single-family homes or 6,810 4-person households)· 38,518,000 kWh district heat*** (corresponds to the consumption of approx. 1,945 single-family homes or 1,916 4-person households)

* It, FIFA regulations 2014: football field 105 m x 68 m = 7,140 m²

** It, BDEW (2009): average consumption of electricity (per annum): single family home: 3,483 kWh, 4-person households: 4,750 kWh

*** It, RWI (2008): average consumption of district heat (per annum): single family home: approx. 19,800 kWh, 4-person households: approx. 20,100 kWh

Welcome

Ladies and Gentlemen,

2019 was a very eventful year for the TU Braunschweig. By winning two clusters of excellence (SE²A and QuantumFrontiers), the TU Braunschweig was able to enter the competition for the title of University of Excellence. Even though this title has not yet been achieved, we can be very proud of our “We move” concept.

Third-party funding at the TU has been rising steadily for years and has reached a new high of almost 117 million euros in 2019. With 31.7 million euros, the DFG has, besides the federal government, contributed a large share to this. The TU’s financial volume has also continued to rise and was around 380 million euros in 2019. The number of students in the winter semester 2019/2020 follows the previous year’s trend and was 19,694 students. The number of full-time and part-time staff in 2019 was 6,419.

As in previous years, the TU Braunschweig again provides extensive statistical material on a wide range of topics in the 2019 figures. We have continued with already familiar topics such as the representation of STEM students, the breakdown of the age of our students by degree or the origin of international students. The chapter on students will be supplemented by a breakdown of the origin of our foreign students as of the 2019 figures. The origin of third-party funding has also been expanded.

To present the data, we continue to use tables and graphs to show the development of students, graduates and finances at the TU Braunschweig over the last five years. The figures are supplemented by online information at <https://www.tu-braunschweig.de/die-tu-braunschweig/unser-profil/daten-fakten/tu-in-zahlen>. A new addition is our Leporello, the “pocket-sizes book of figures”.

If you have any questions or suggestions regarding the figures, please do not hesitate to contact the university controlling department.

Dive into the world of figures at the TU Braunschweig and gain many interesting insights.



Dietmar Smyrek

Vice-President for Human Resources, Finance and University Construction
at the Technische Universität Braunschweig

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TU Braunschweig in figures

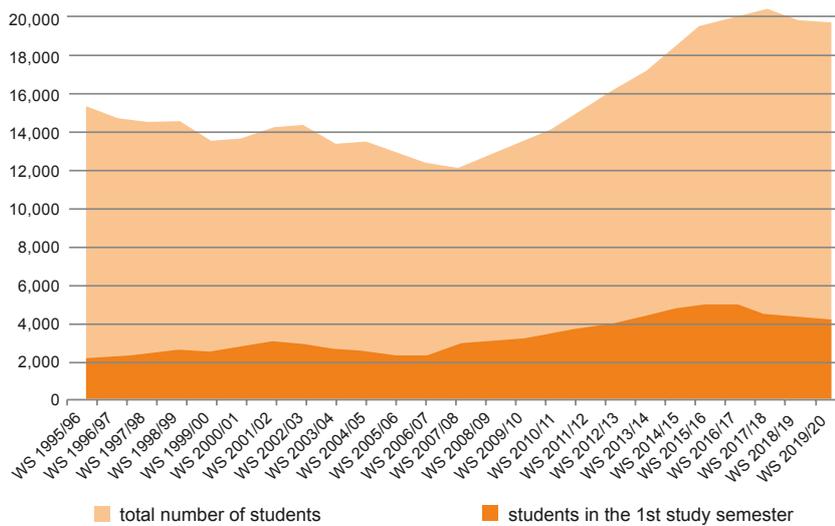
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1 Students

1.1 Students, total

Total number of students and students in the 1st study semester of the past 25 years



	Total number of students	Students in the 1st study semester
WS 1995/1996	15,280	1,971
WS 1996/1997	14,699	2,109
WS 1997/1998	14,454	2,320
WS 1998/1999	14,517	2,451
WS 1999/2000	13,509	2,327
WS 2000/2001	13,542	2,657
WS 2001/2002	14,166	2,946
WS 2002/2003	14,272	2,809
WS 2003/2004	13,318	2,499
WS 2004/2005	13,444	2,377
WS 2005/2006	12,854	2,156
WS 2006/2007	12,310	2,187
WS 2007/2008	12,017	2,791
WS 2008/2009	12,684	2,930
WS 2009/2010	13,379	3,075
WS 2010/2011	14,108	3,375
WS 2011/2012	15,204	3,667
WS 2012/2013	16,304	3,860
WS 2013/2014	17,195	4,360
WS 2014/2015	18,474	4,730
WS 2015/2016	19,508	5,043
WS 2016/2017	20,029	4,947
WS 2017/2018	20,116	4,570
WS 2018/2019	19,980	4,493
WS 2019/2020	19,694	4,317

Development of the total number of students by faculty

WS 2015/2016							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students	3,095	3,005	3,767	5,331	1,848	2,462	19,508
including women	1,124	1,944	1,480	748	282	1,791	7,369
including STEM	2,058	2,471	3,767	5,331	1,848	432	15,907
including STEM women	521	1,499	1,480	748	282	291	4,821

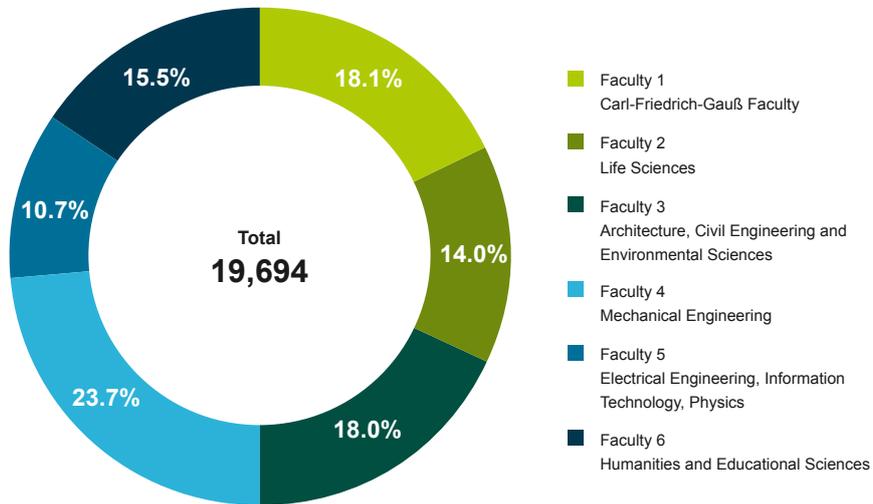
WS 2016/2017							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students	3,307	2,931	3,833	5,435	1,899	2,624	20,029
including women	1,219	1,875	1,519	798	290	1,910	7,611
including STEM	2,144	2,411	3,833	5,435	1,899	477	16,199
including STEM women	540	1,445	1,519	798	290	328	4,920

WS 2017/2018							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students	3,341	2,904	3,785	5,348	1,991	2,747	20,116
including women	1,215	1,881	1,526	813	312	1,943	7,690
including STEM	2,136	2,385	3,785	5,348	1,991	511	16,156
including STEM women	515	1,442	1,526	813	312	331	4,939

WS 2018/2019							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students	3,430	2,834	3,800	4,927	2,031	2,958	19,980
including women	1,257	1,833	1,577	780	347	2,087	7,881
including STEM	2,142	2,333	3,800	4,927	2,032	556	15,790
including STEM women	507	1,413	1,577	780	347	364	4,988

WS 2019/2020							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students	3,555	2,767	3,553	4,659	2,103	3,057	19,694
including women	1,343	1,789	1,531	788	348	2,156	7,955
including STEM	2,195	2,278	3,553	4,659	2,103	580	15,368
including STEM women	520	1,381	1,531	788	348	391	4,959

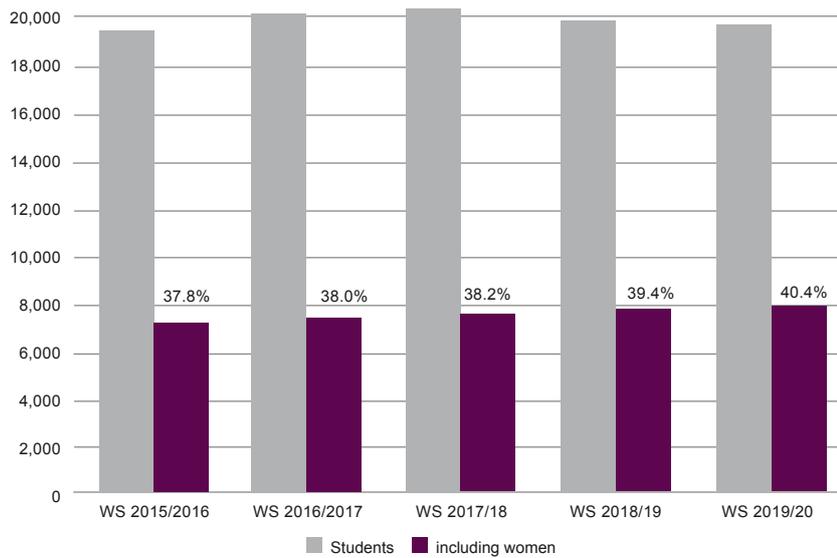
Total number of students by faculty in the winter semester 2019/2020



	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students	3,555	2,767	3,553	4,659	2,103	3,057	19,694
Percent*	18.1%	14.0%	18.0%	23.7%	10.7%	15.5%	100%

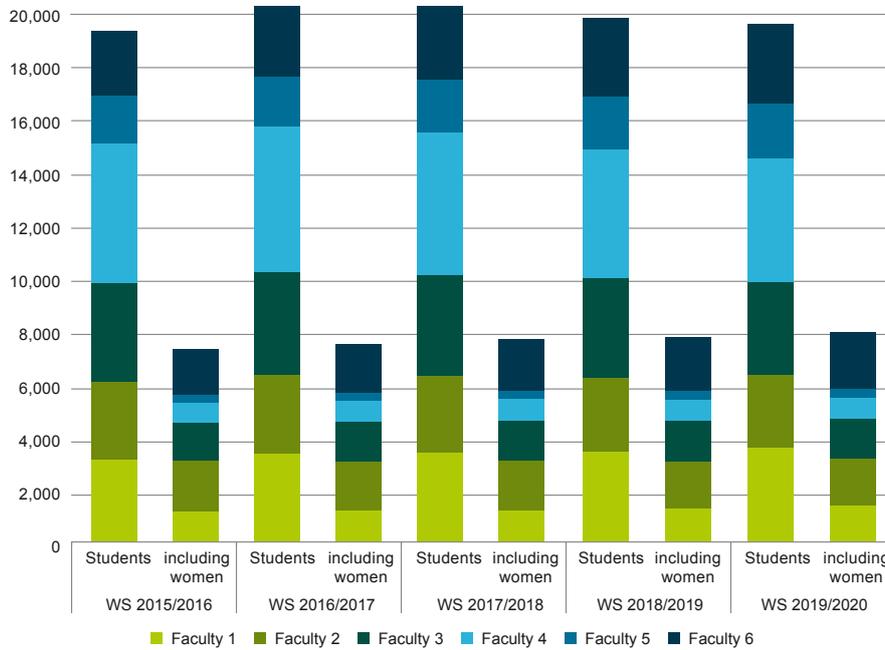
* Share in the total number of students

Development of the total number of students



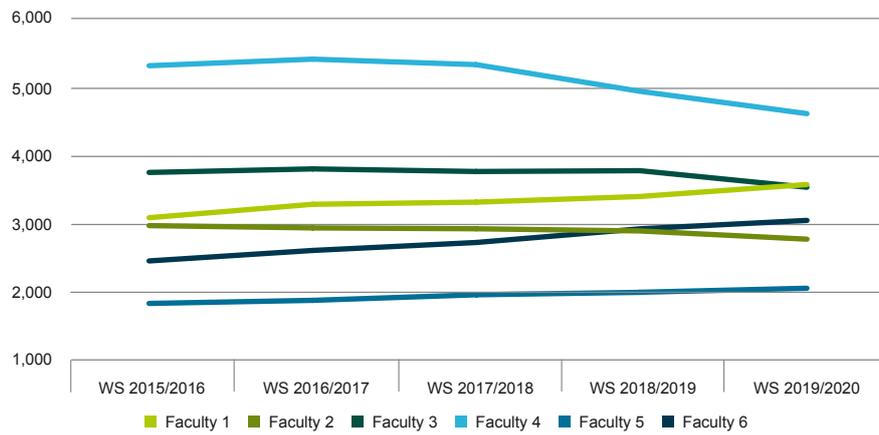
	WS 2015/2016	WS 2016/17	WS 2017/18	WS 2018/19	WS 2019/20
Students	19,508	20,029	20,116	19,980	19,694
including women	7,369	7,611	7,690	7,881	7,955
Percent	37.8%	38.0%	38.2%	39.4%	40.4%

Development of the total number of students by faculty



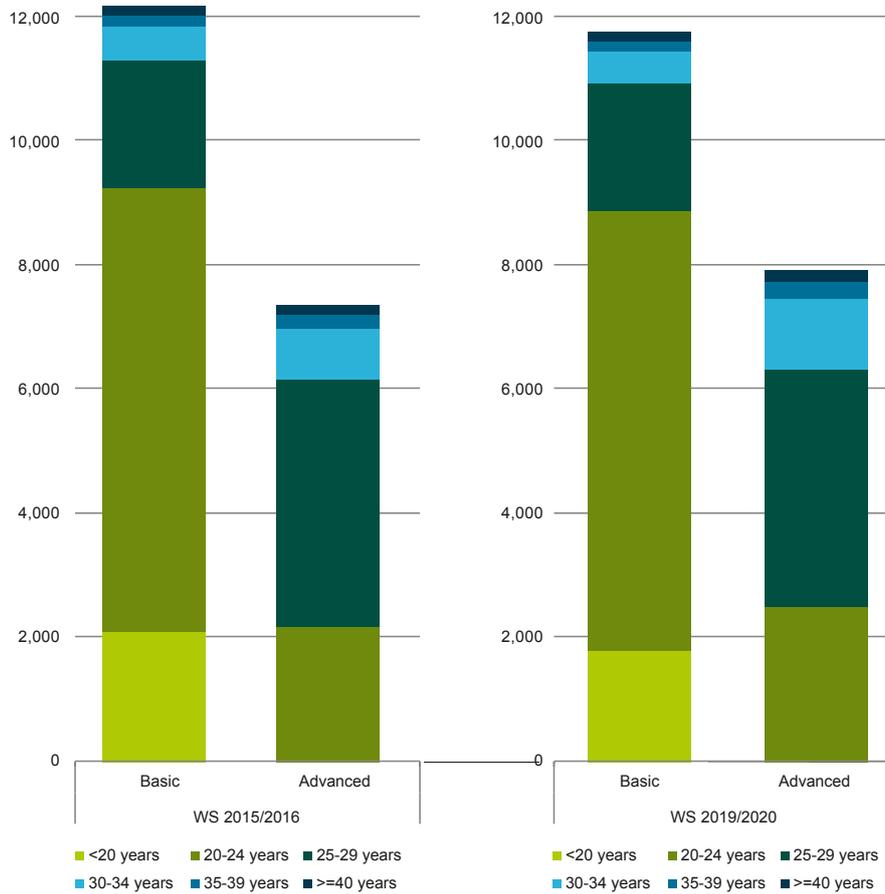
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Development of the total number of students by faculty



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Age of the total students by study programmes in the WS 2015/2016 and WS 2019/2020



Basic study programmes

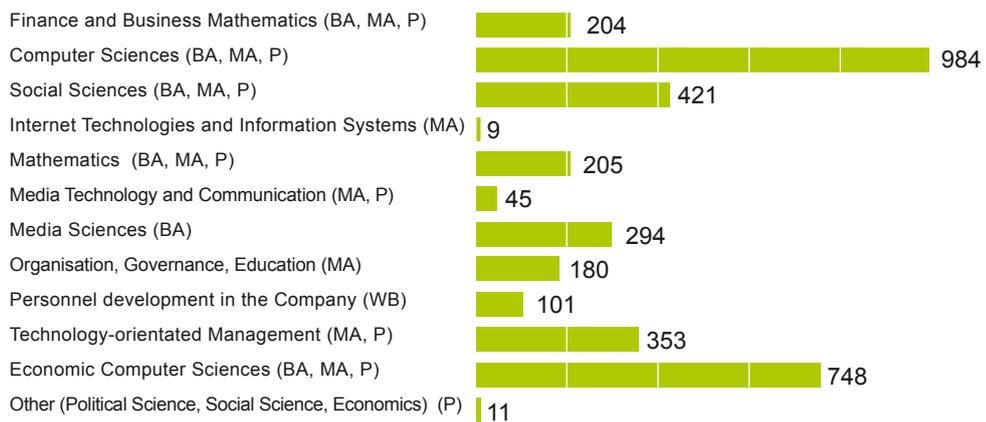
	Age	<20	20-24	25-29	30-34	35-39	>=40	Total
WS 2015/2016	Students	2,088	7,126	2,061	546	178	156	12,155
	Percent	17.2%	58.6%	17.0%	4.5%	1.5%	1.3%	
WS 2019/2020	Students	1,777	7,104	2,059	509	177	147	11,773
	Percent	15.1%	60.3%	17.5%	4.3%	1.5%	1.2%	

Advanced study programmes

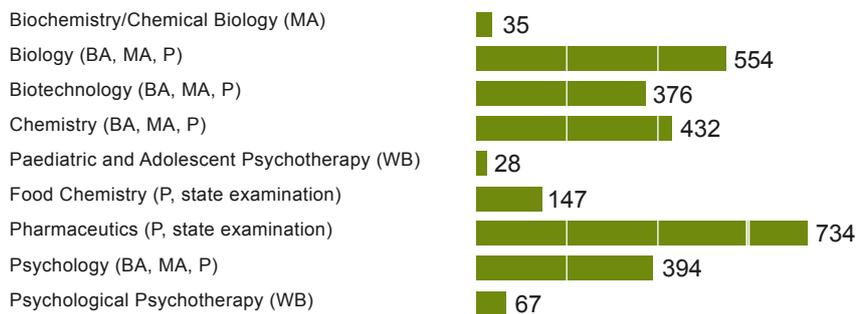
	Age	<20	20-24	25-29	30-34	35-39	>=40	Total
WS 2015/2016	Students	2	2,171	3,961	834	212	175	7,355
	Percent	0.0%	29.5%	53.9%	11.3%	2.9%	2.4%	
WS 2019/2020	Students		2,482	3,843	1,137	279	180	7,921
	Percent	0.0%	31.3%	48.5%	14.4%	3.5%	2.3%	

Number of students by study programmes in the winter semester 2019/2020

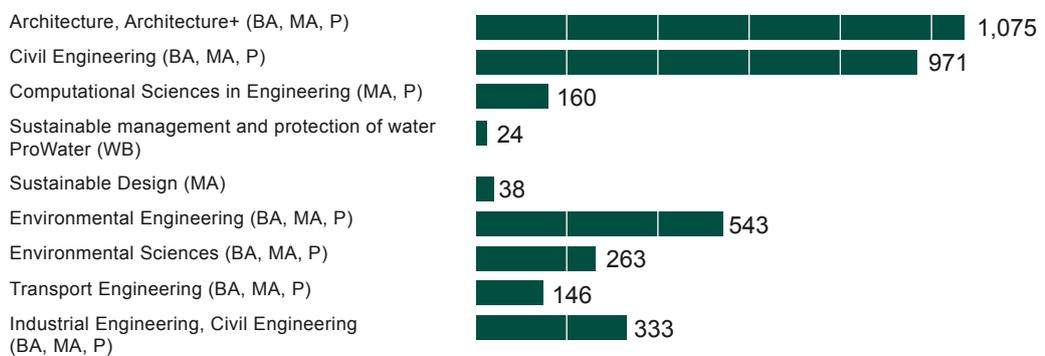
Faculty 1 | Carl-Friedrich-Gauß Faculty



Faculty 2 | Life Sciences



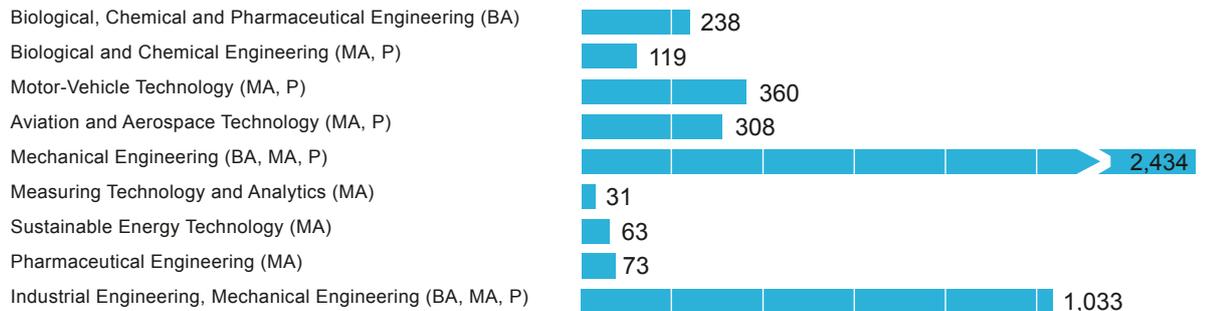
Faculty 3 | Architecture, Civil Engineering and Environmental Sciences



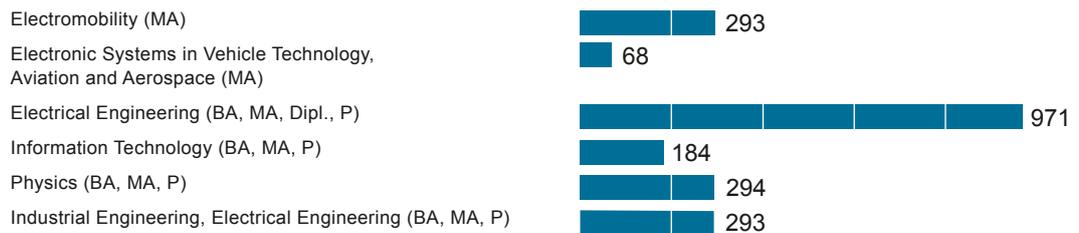
Architecture+: 8 semesters Bachelor's Degree incl. one year abroad

Number of students by study programmes in the winter semester 2019/2020

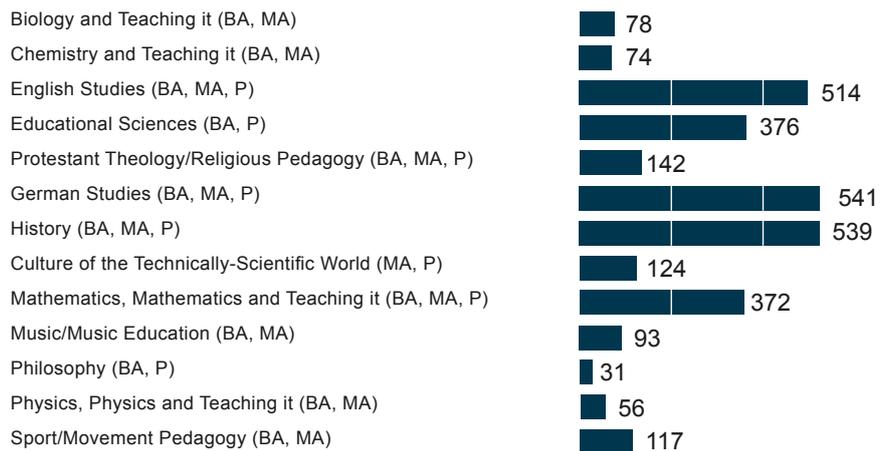
Faculty 4 | Mechanical Engineering



Faculty 5 | Electrical Engineering, Information Technology, Physics



Faculty 6 | Humanities and Educational Sciences

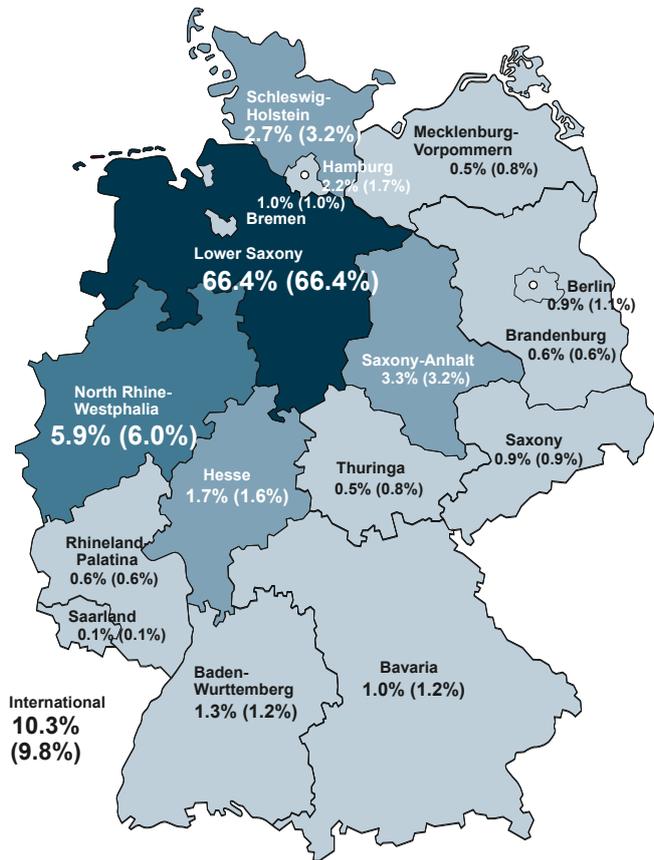
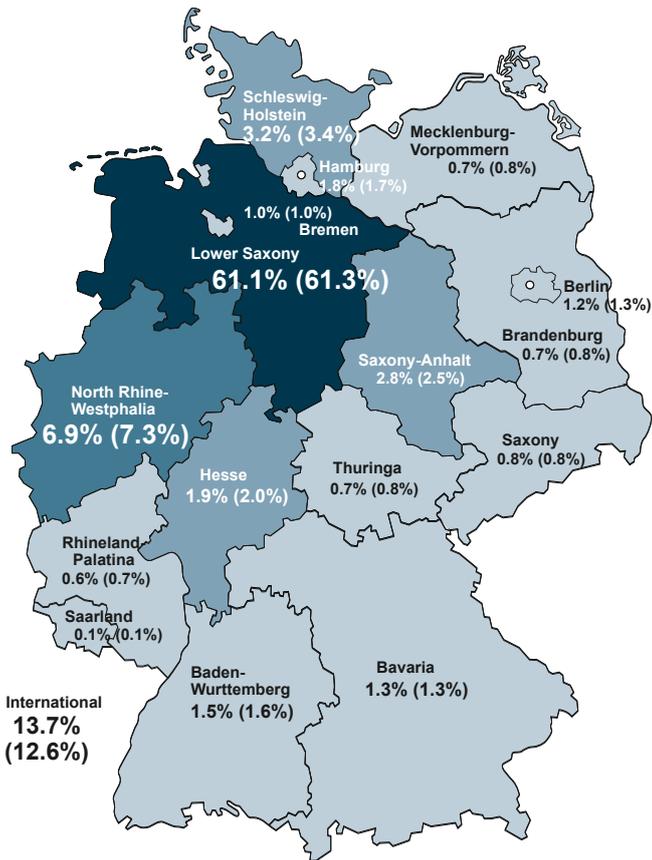


BA Bachelor's Degree/Double P Doctorate
 Dipl. Major Bachelor's Degree Diploma MA Master's Degree WB Continuing education

Origin* of the students in the winter semester 2019/2020

Students, total

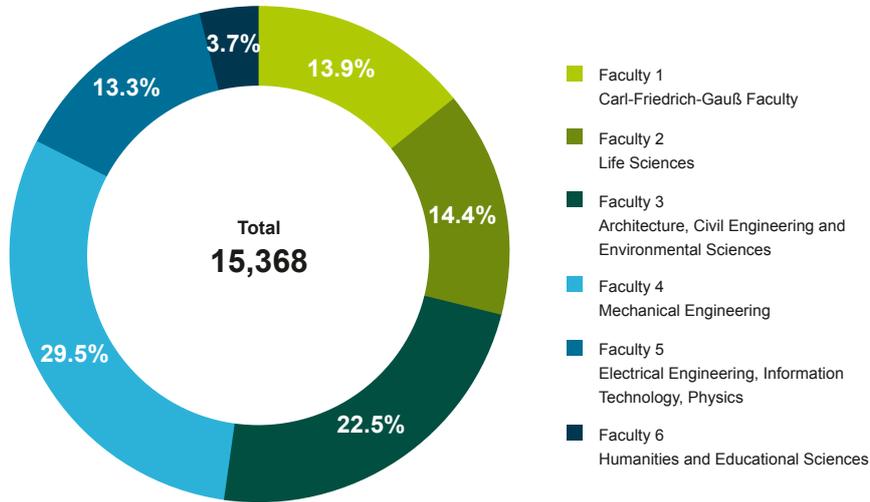
Students in the 1st study semester



© http://www.kartenwelten.de/uploads/media/D_Bundeslaender_01.eps

*Origin refers to the state where the students acquired their university access qualification. (%) prior year's figures

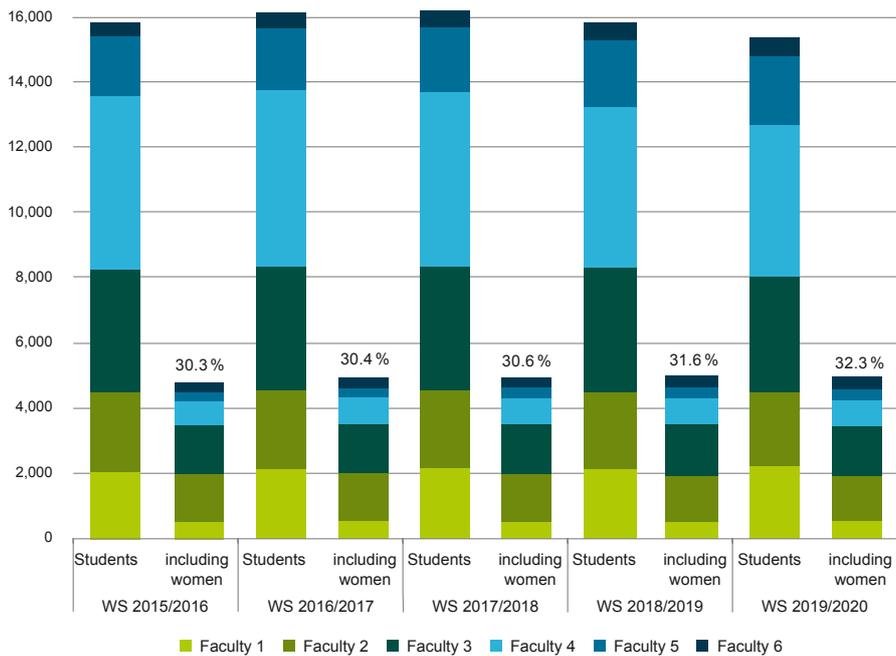
STEM students by faculty in the winter semester 2019/2020



	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
STEM students	2,195	2,278	3,553	4,659	2,103	580	15,368
Percent*	13.9%	14.4%	22.5%	29.5%	13.3%	3.7%	100%

* Total share of STEM students

Development of STEM students by faculty



For figures, see page 2

1.2 Students in the 1st study semester

in the 1st study semester (FS) for the reporting years* 2015 to 2019

2015							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students in the 1st FS	1,152	859	1,125	1,657	719	852	6,364
including women	411	555	466	269	131	645	2,477
including STEM	847	685	1,125	1,657	719	199	5,232
including STEM women	239	413	466	269	131	141	1,659

2016							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students in the 1st FS	1,170	835	1,105	1,531	669	925	6,235
including women	470	546	474	229	125	682	2,526
including STEM	811	697	1,105	1,531	669	214	5,027
including STEM women	245	424	474	229	125	154	1,651

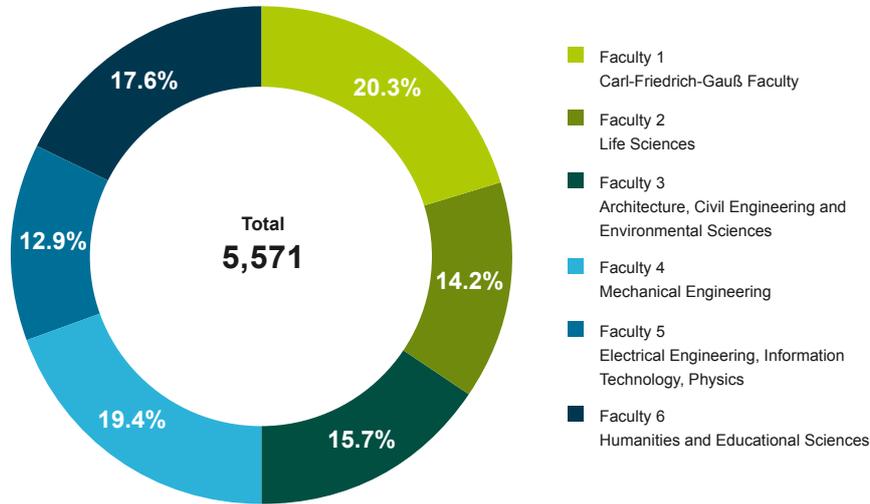
2017							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students in the 1st FS	1,031	809	997	1,359	651	904	5,751
including women	396	529	430	238	123	633	2,349
including STEM	677	673	997	1,359	651	204	4,561
including STEM women	197	414	430	238	123	127	1,529

2018							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students in the 1st FS	1,149	766	1,019	1,147	611	1,024	5,716
including women	450	496	447	208	136	726	2,463
including STEM	737	637	1,019	1,147	611	236	4,387
including STEM women	197	386	447	208	136	163	1,537

2019							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students in the 1st FS	1,131	789	874	1,080	718	979	5,571
including women	440	515	414	237	128	721	2,455
including STEM	767	660	874	1,080	718	205	4,304
including STEM women	218	405	414	237	128	148	1,550

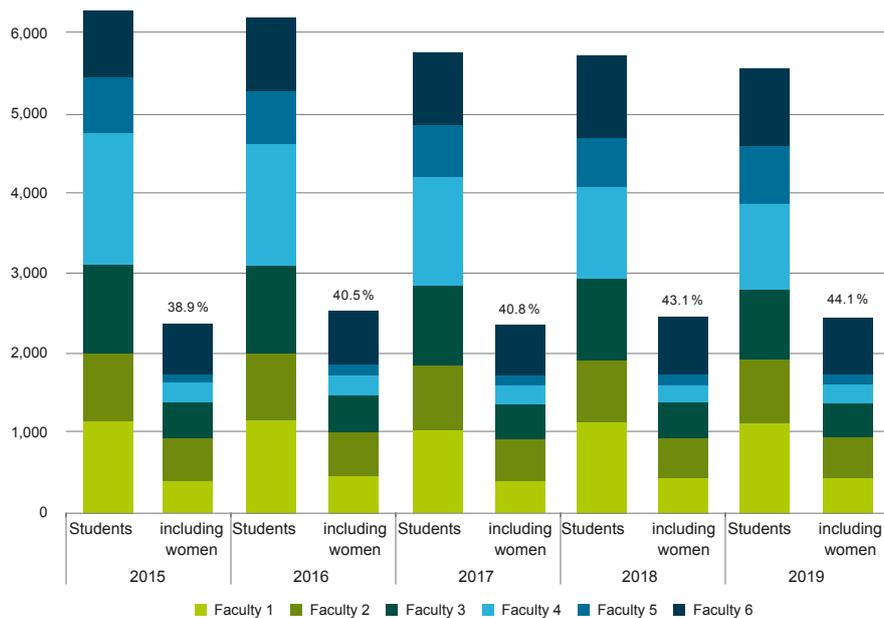
* Reporting year: Summer semester plus subsequent winter semester (e.g. reporting year, 2019: SuSe 2019 + WS 2019/2020)

Students in the 1st study semester by faculty in the reporting year 2019



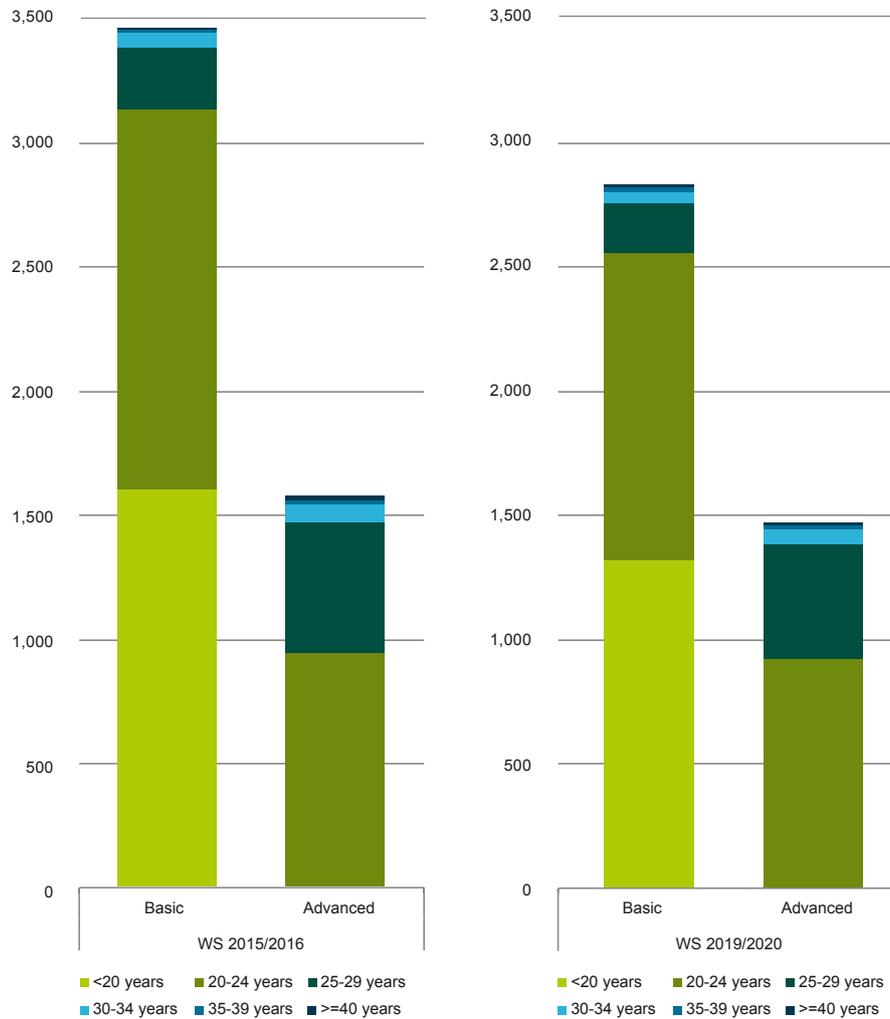
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students in the 1st FS	1,131	789	874	1,080	718	979	5,571
Percent	20.3%	14.2%	15.7%	19.4%	12.9%	17.6%	100.0%

Development of students in the 1st study semester by faculty per reporting year



For figures, see page 10

**Age of students in the 1st study semester by study programmes
in the WS 2015/2016 and WS 2019/2020**



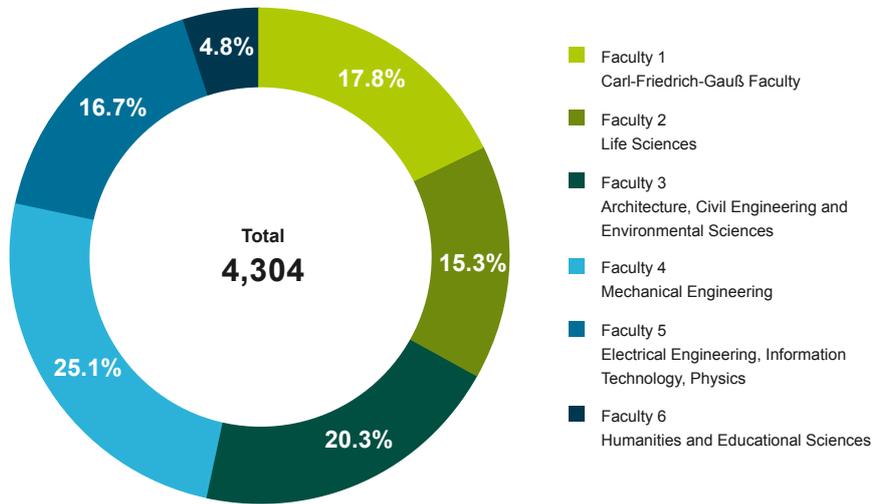
Basic study programmes

	Age	<20	20-24	25-29	30-34	35-39	>=40	Total
WS 2015/2016	Students	1,601	1,536	252	59	16	6	3,470
	Percent	46.1%	44.3%	7.3%	1.7%	0.5%	0.2%	
WS 2019/2020	Students	1,324	1,240	197	49	18	14	2,842
	Percent	46.6%	43.6%	6.9%	1.7%	0.6%	0.5%	

Advanced study programmes

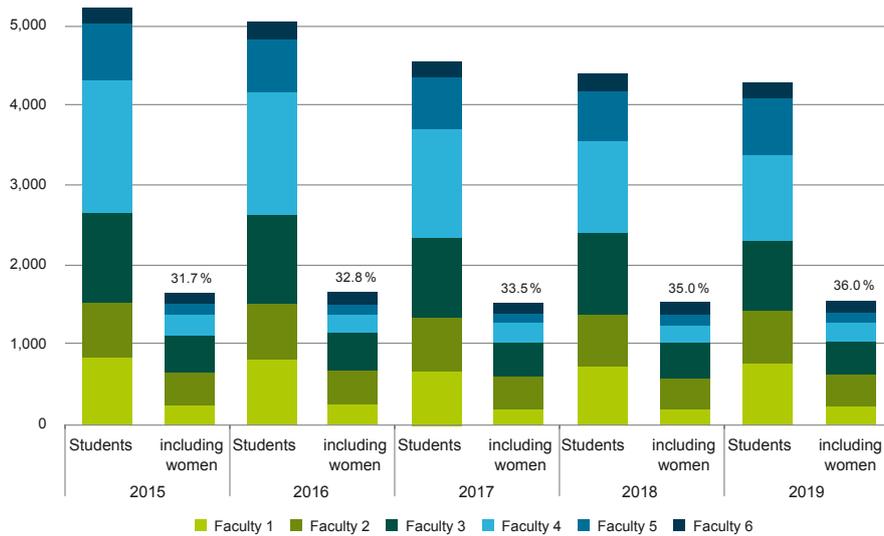
	Age	<20	20-24	25-29	30-34	35-39	>=40	Total
WS 2015/2016	Students	0	941	531	71	17	16	1,576
	Percent	0.0%	59.7%	33.7%	4.5%	1.1%	1.0%	
WS 2019/2020	Students	0	924	464	61	18	8	1,475
	Percent	0.0%	62.6%	31.5%	4.1%	1.2%	0.5%	

STEM students in the 1st study semester by faculty in the reporting year 2019



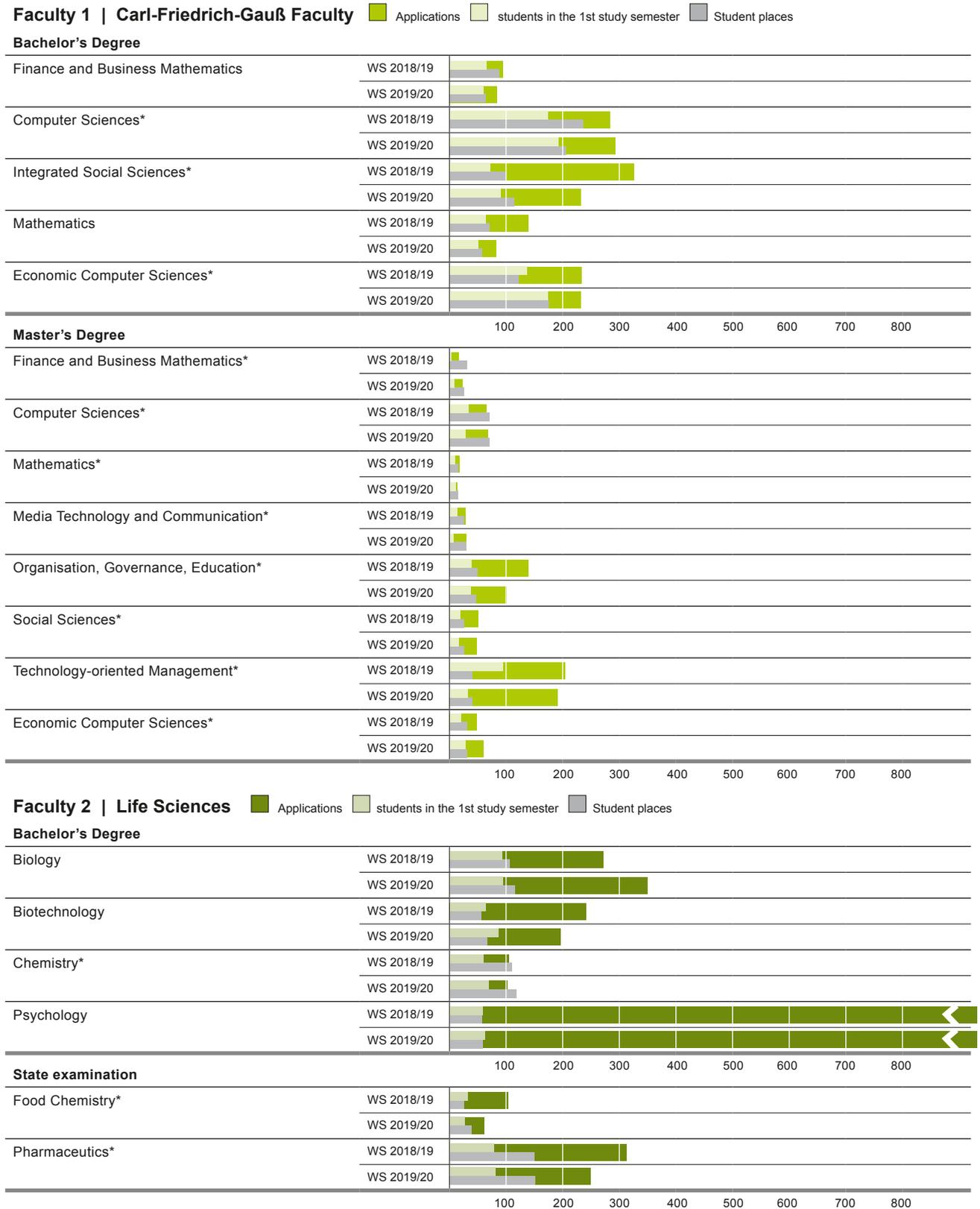
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Development of STEM students in the 1st study semester by faculty per reporting year



For figures, see page 10

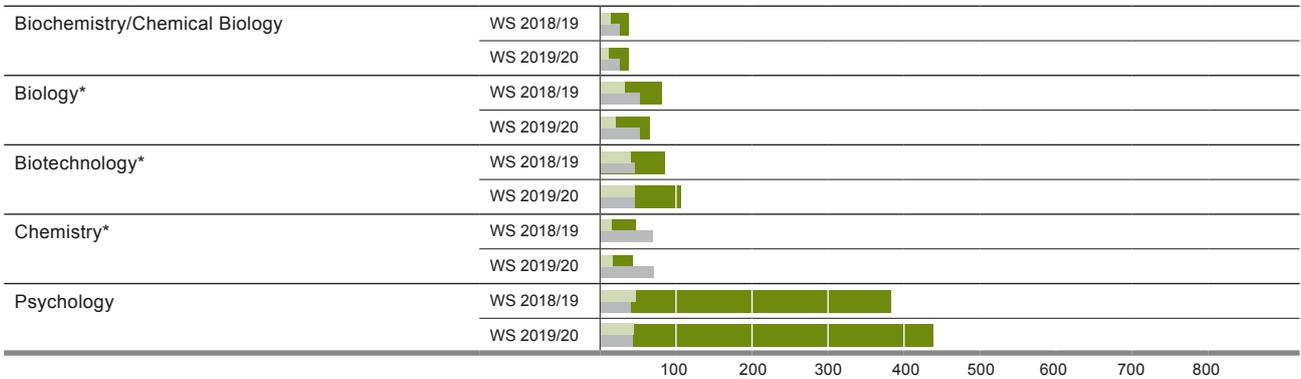
1.3 Number of applications, student places and first-semester students



* Courses of study admit in the winter and summer semester

Faculty 2 | Life Sciences ■ Applications ■ students in the 1st study semester ■ Student places

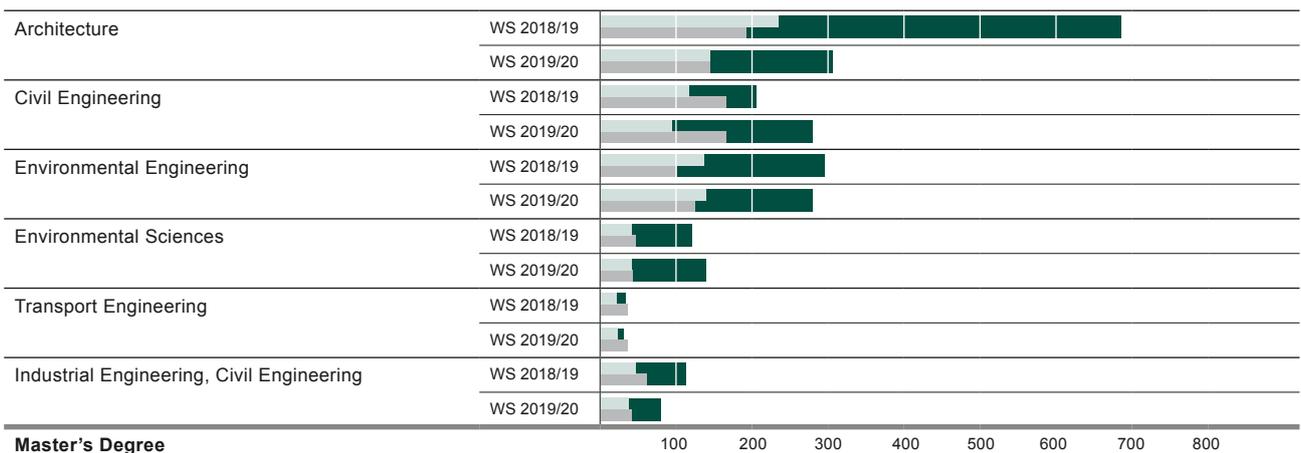
Master's Degree



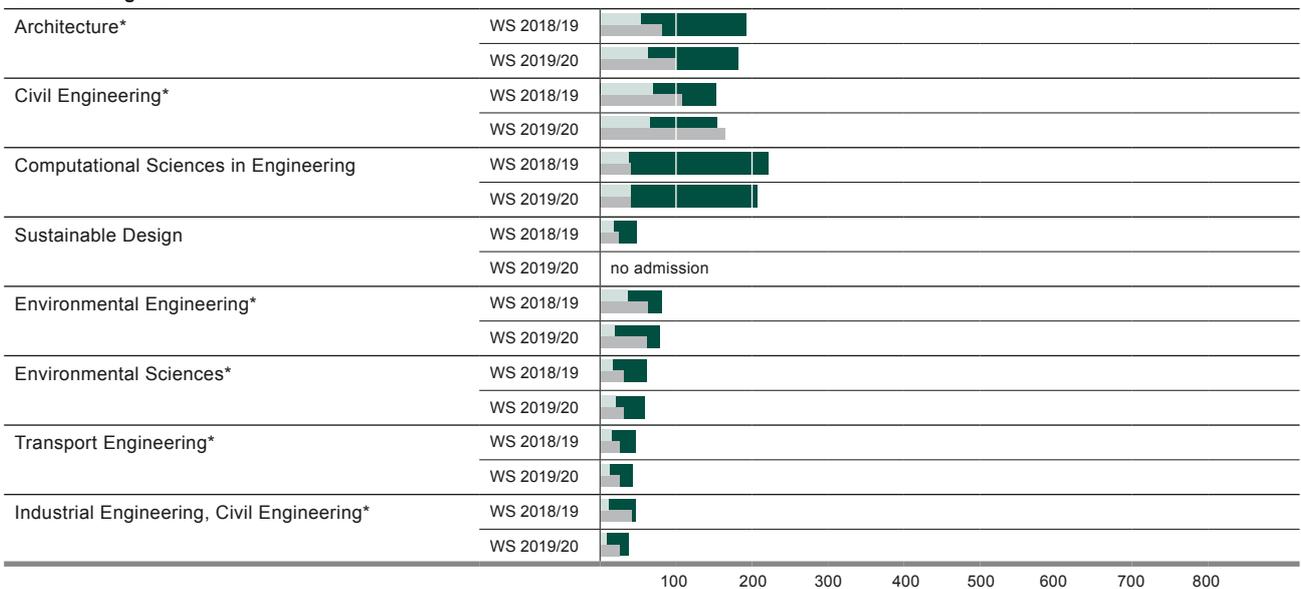
Faculty 3 | Architecture, Civil Engineering and Environmental Sciences

■ Applications ■ students in the 1st study semester ■ Student places

Bachelor's Degree



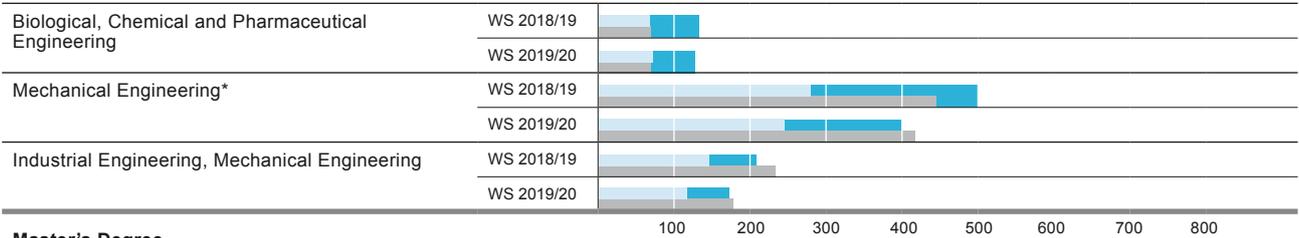
Master's Degree



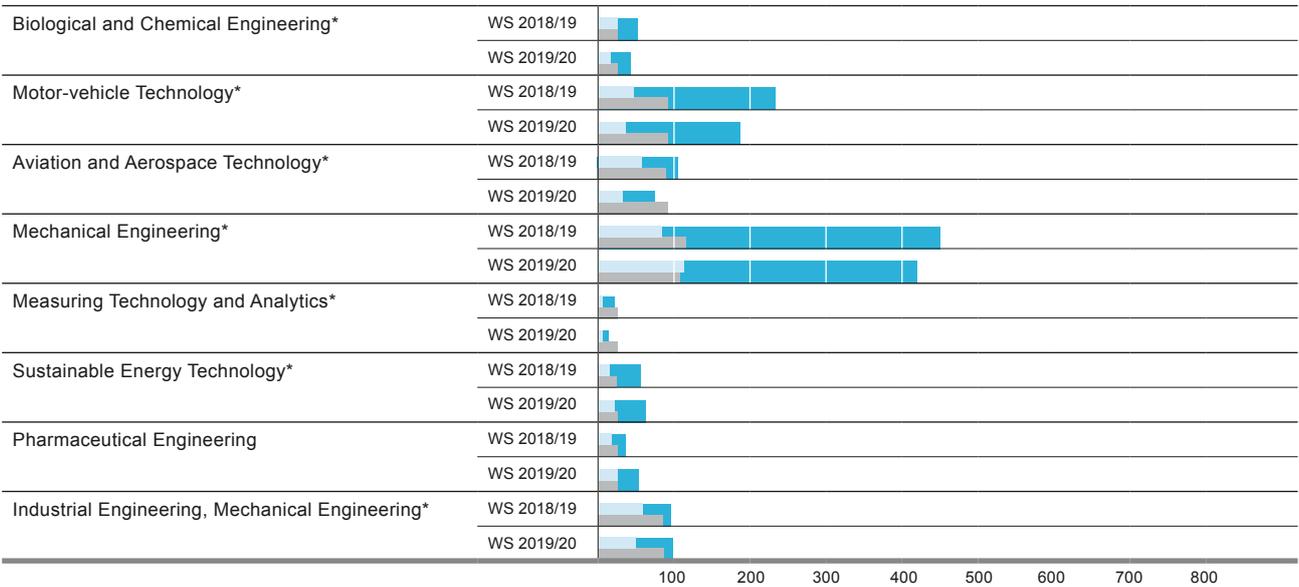
Faculty 4 | Mechanical Engineering

Applications students in the 1st study semester Student places

Bachelor's Degree



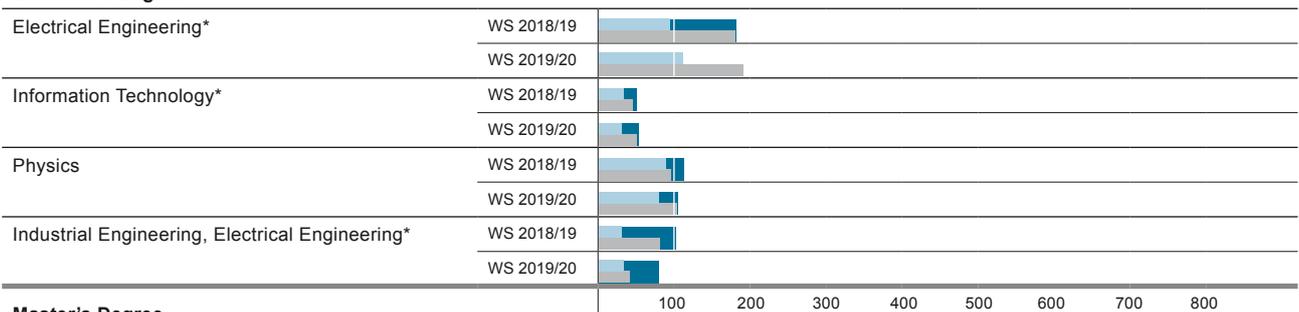
Master's Degree



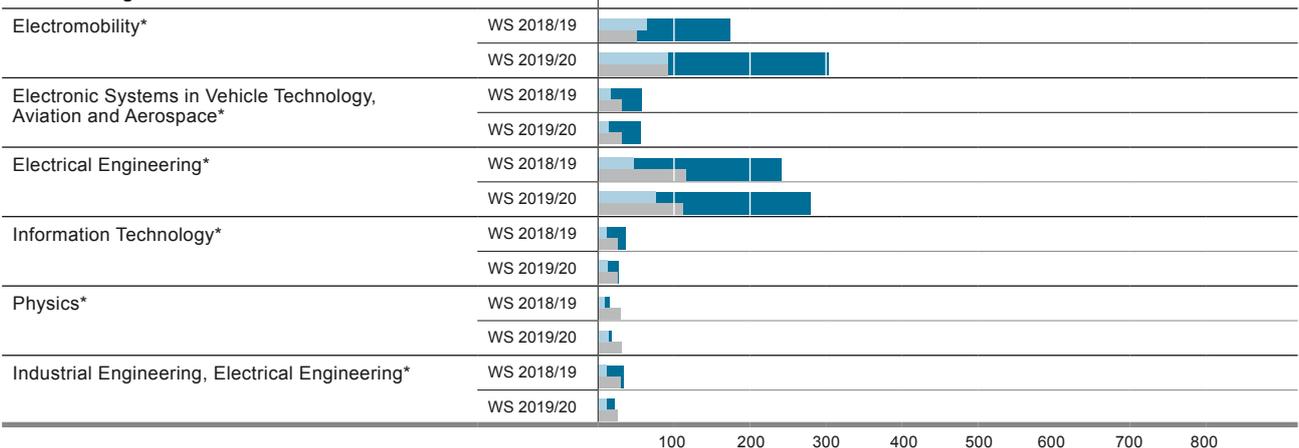
Faculty 5 | Electrical Engineering, Information Technology, Physics

Applications students in the 1st study semester Student places

Bachelor's Degree



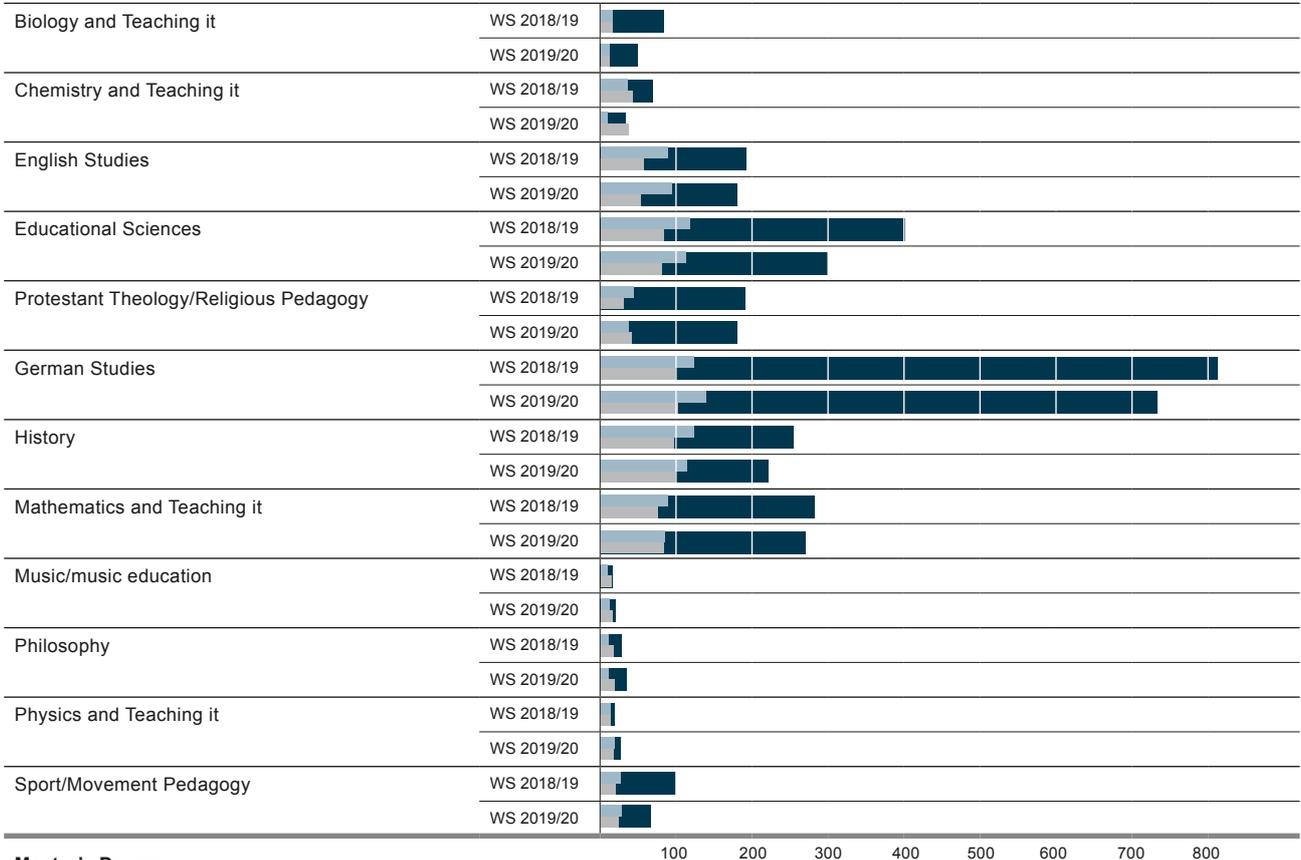
Master's Degree



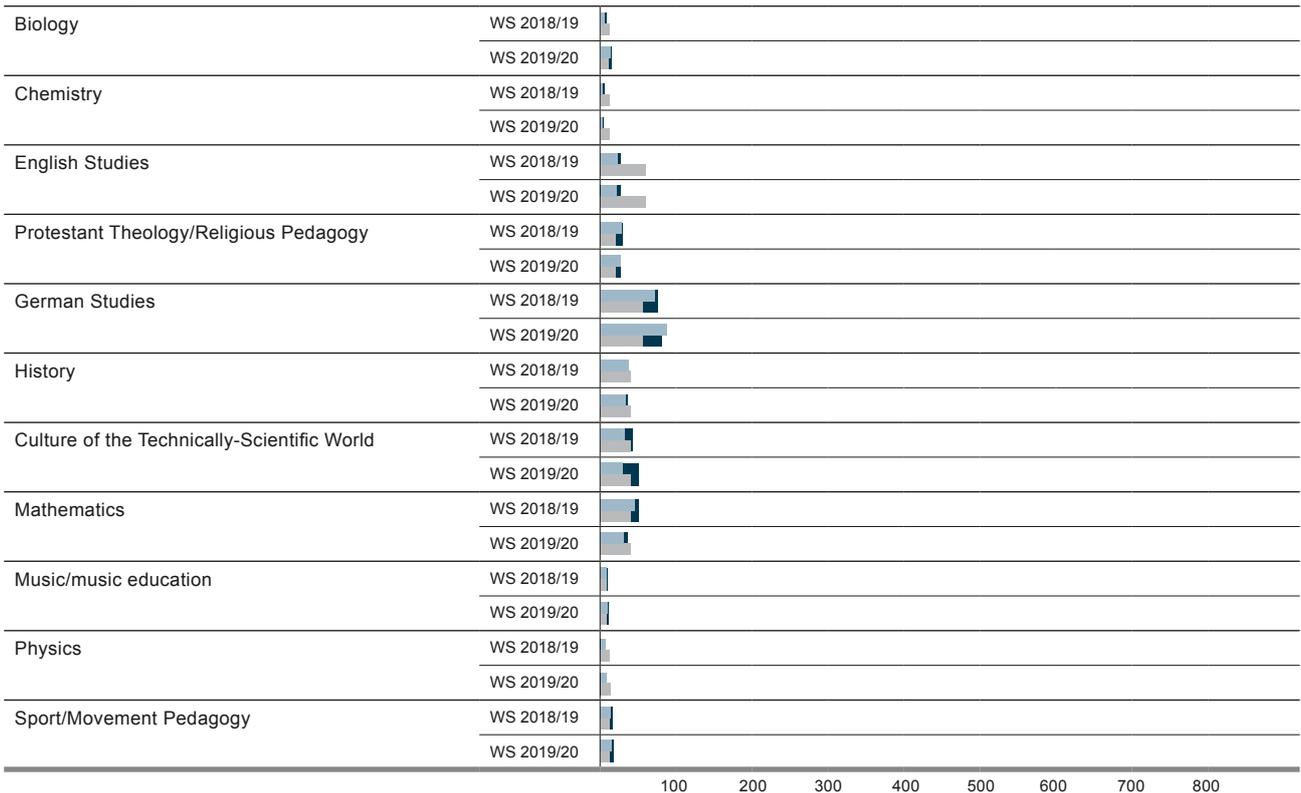
Faculty 6 | Humanities and Educational Sciences

■ Applications ■ students in the 1st study semester ■ Student places

Bachelor's Degree

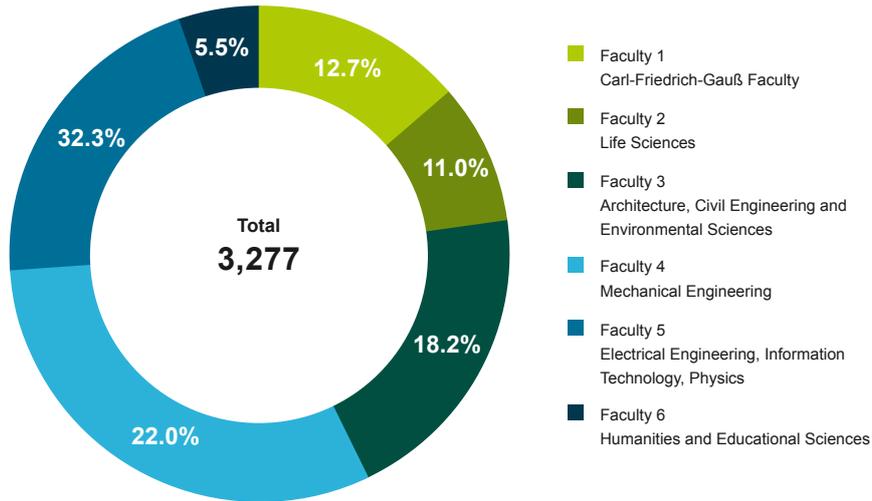


Master's Degree



1.4 International Students

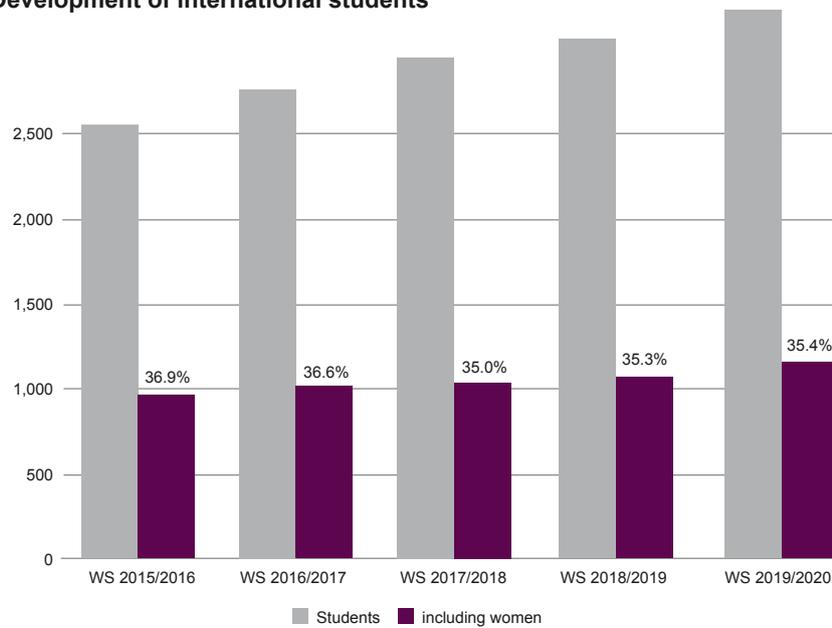
International students* in the winter semester 2019/2020



For figures, see page 19

*International students are students with foreign nationalities

Development of international students



	WS 2015/2016	WS 2016/2017	WS 2017/2018	WS 2018/2019	WS 2019/2020
International students	2,597	2,771	2,941	3,090	3,277
including women	959	1,015	1,030	1,092	1,160
Percent	36.9%	36.6%	35.0%	35.3%	35.4%

Development of international students by faculty

WS 2015/2016							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,095	3,005	3,767	5,331	1,848	2,462	19,508
International students	307	296	587	875	410	122	2,597
Percent*	11.8%	11.4%	22.6%	33.7%	15.8%	4.7%	13.3%
Woman among total students	1,124	1,944	1,480	748	282	1,791	7,369
Women among international students	153	199	219	194	100	94	959
Percent*	16.0%	20.8%	22.8%	20.2%	10.4%	9.8%	13.0%

WS 2016/2017							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,307	2,931	3,833	5,435	1,899	2,624	20,029
International students	364	290	595	976	417	129	2,771
Percent*	11.0%	9.9%	15.5%	18.0%	22.0%	4.9%	13.8%
Woman among total students	1,219	1,875	1,519	798	290	1,910	7,611
Women among international students	176	193	211	220	110	105	1,015
Percent*	14.4%	10.3%	13.9%	27.6%	37.9%	5.5%	13.3%

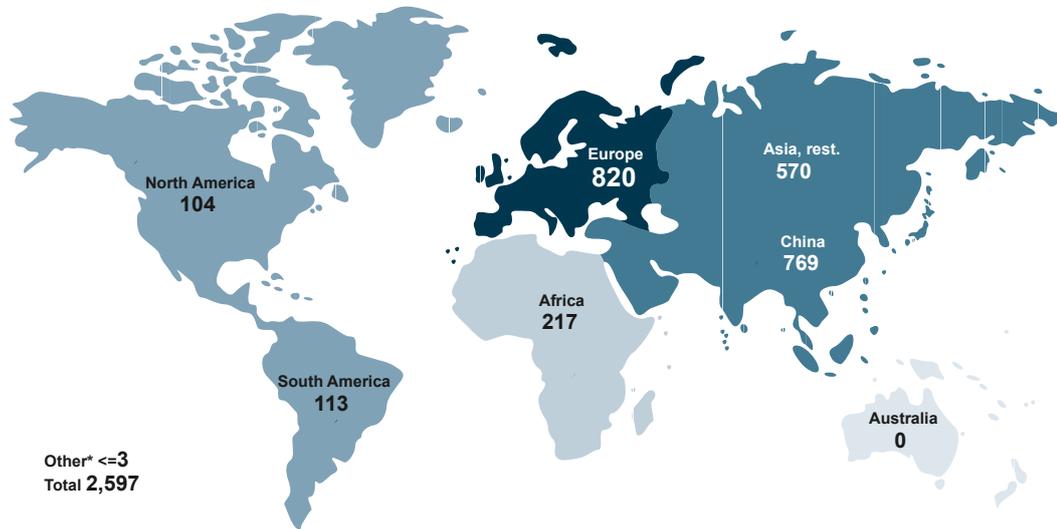
WS 2017/2018							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,341	2,904	3,785	5,348	1,991	2,747	20,116
International students	375	302	608	1,040	470	146	2,941
Percent*	11.2%	10.5%	16.1%	19.4%	23.6%	5.3%	14.6%
Woman among total students	1,215	1,881	1,526	813	312	1,943	7,690
Women among international students	163	195	211	230	112	119	1,030
Percent*	13.4%	10.4%	13.8%	28.3%	35.9%	6.1%	13.4%

WS 2018/2019							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,430	2,834	3,800	4,927	2,031	2,958	19,980
International students	398	293	667	1,009	552	171	3,090
Percent*	11.6%	10.3%	17.6%	20.5%	27.2%	5.8%	15.5%
Woman among total students	1,257	1,833	1,577	780	347	2,087	7,881
Women among international students	177	190	233	228	125	139	1,092
Percent*	14.1%	10.4%	14.8%	29.2%	36.0%	6.7%	13.9%

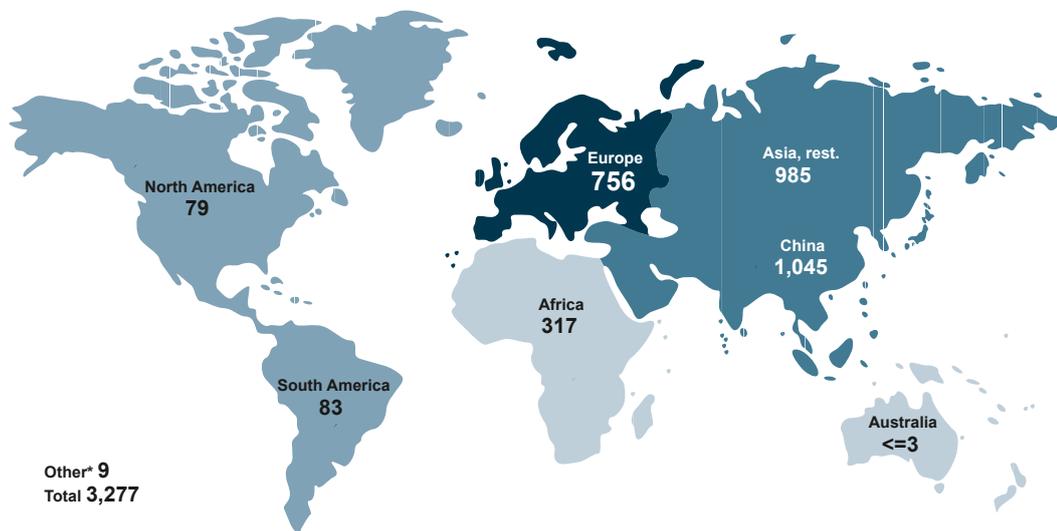
WS 2019/2020							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,555	2,767	3,553	4,659	2,103	3,057	19,694
International students	452	303	647	1,027	680	168	3,277
Percent*	12.7%	11.0%	18.2%	22.0%	32.3%	5.5%	16.6%
Woman among total students	1,343	1,789	1,531	788	348	2,156	7,955
Women among international students	212	200	237	234	139	138	1,160
Percent*	15.8%	11.2%	15.5%	29.7%	39.9%	6.4%	14.6%

*of the respective total number of students

Origin of the international students in the winter semester 2015/2016



Origin of the international students in the winter semester 2019/2020

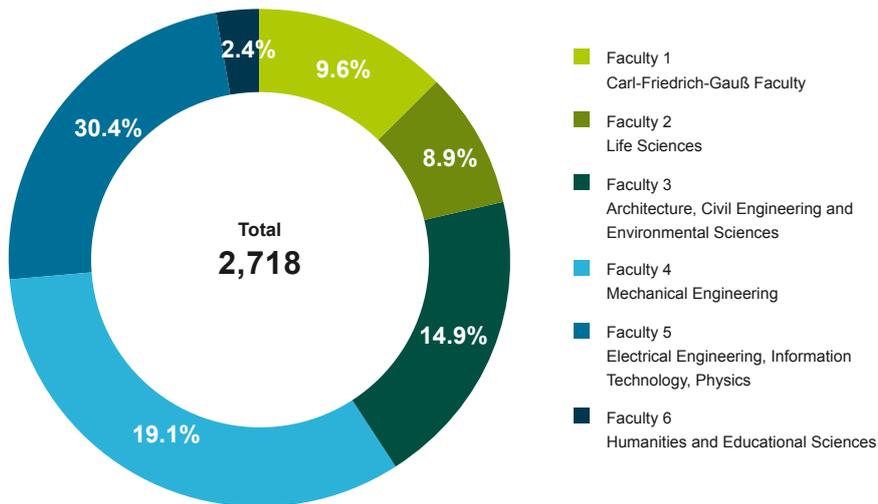


*without nationality, undetermined

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1.5 Foreign students

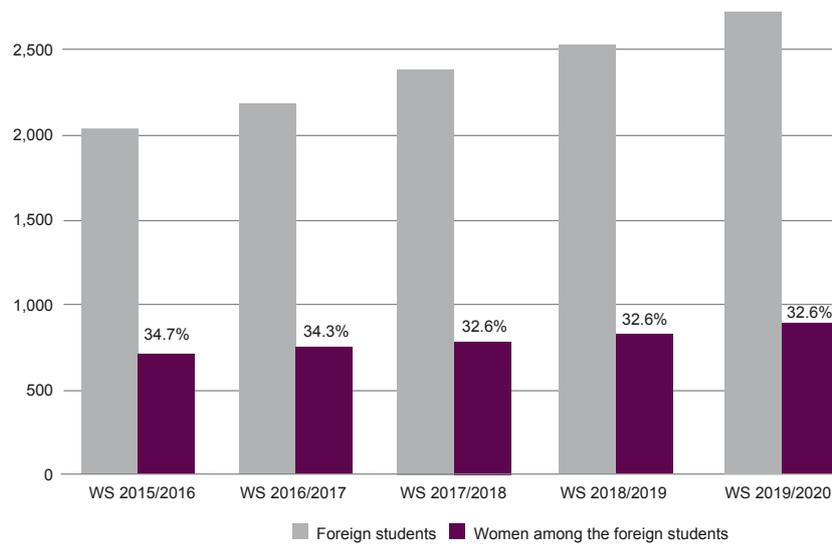
Foreign students* in the winter semester 2019/2020



* Foreign students are international students who have acquired their higher education entrance qualification abroad or at a preparatory college.

For figures, see page 22

Development of foreign students



	WS 2015/2016	WS 2016/2017	WS 2017/2018	WS 2018/2019	WS 2019/2020
Foreign students	2,033	2,176	2,378	2,519	2,718
Women among the foreign students	706	746	775	820	885
Percent	34.7%	34.3%	32.6%	32.6%	32.6%

Development of foreign students by faculty

WS 2015/2016							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,095	3,005	3,767	5,331	1,848	2,462	19,508
Foreign students, total	216	238	452	711	356	60	2,033
Percent*	7.0%	7.9%	12.0%	13.3%	19.3%	2.4%	10.4%
Women among the students, total	1,124	1,944	1,480	748	282	1,791	7,369
Women among the foreign students	109	159	141	155	91	51	706
Percent*	9.7%	8.2%	9.5%	20.7%	32.3%	2.9%	9.6%

WS 2016/2017							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,307	2,931	3,833	5,435	1,899	2,624	20,029
Foreign students, total	261	224	471	792	367	61	2,176
Percent*	7.9%	7.6%	12.3%	14.6%	19.3%	2.3%	10.9%
Women among the students, total	1,219	1,875	1,519	798	290	1,910	7,611
Women among the foreign students	125	148	146	175	98	54	746
Percent*	10.3%	7.9%	9.6%	21.9%	33.8%	2.8%	9.8%

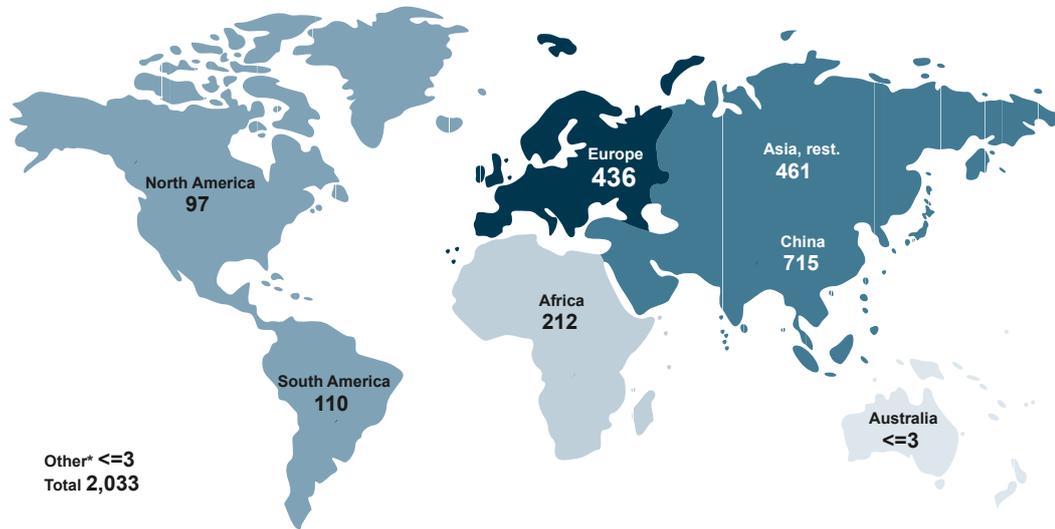
WS 2017/2018							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,341	2,904	3,785	5,348	1,991	2,747	20,116
Foreign students, total	281	248	489	871	425	64	2,378
Percent*	8.4%	8.5%	12.9%	16.3%	21.3%	2.3%	11.8%
Women among the students, total	1,215	1,881	1,526	813	312	1,943	7,690
Women among the foreign students	117	157	149	195	103	54	775
Percent*	9.6%	8.3%	9.8%	24.0%	33.0%	2.8%	10.1%

WS 2018/2019							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,430	2,834	3,800	4,927	2,031	2,958	19,980
Foreign students, total	291	242	549	855	510	72	2,519
Percent*	8.5%	8.5%	14.4%	17.4%	25.1%	2.4%	12.6%
Women among the students, total	1,257	1,833	1,577	780	347	2,087	7,881
Women among the foreign students	128	154	174	188	118	58	820
Percent*	10.2%	8.4%	11.0%	24.1%	34.0%	2.8%	10.4%

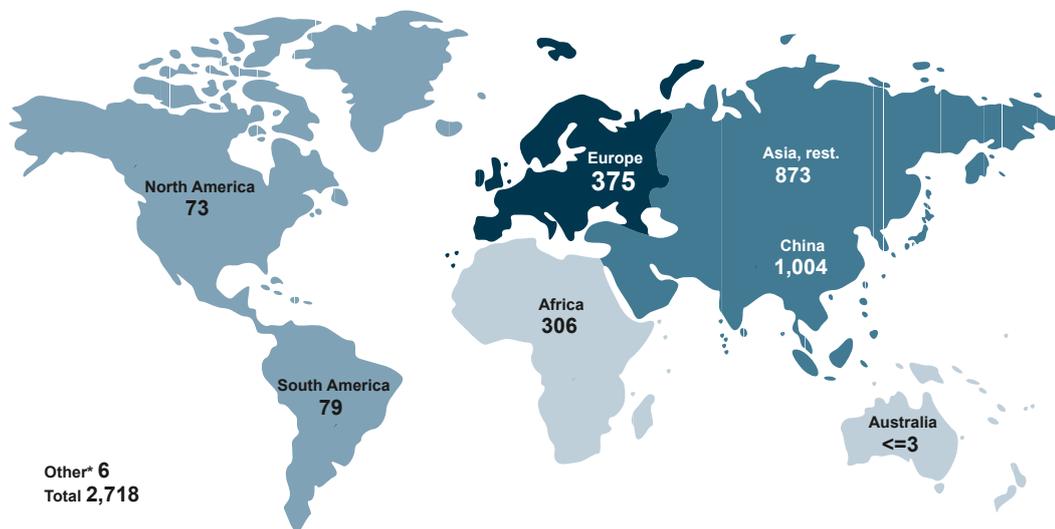
WS 2019/2020							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Students, total	3,555	2,767	3,553	4,659	2,103	3,057	19,694
Foreign students, total	341	245	531	889	639	73	2,718
Percent*	9.6%	8.9%	14.9%	19.1%	30.4%	2.4%	13.8%
Women among the students, total	1,343	1,789	1,531	788	348	2,156	7,955
Women among the foreign students	158	160	179	199	131	58	885
Percent*	11.8%	8.9%	11.7%	25.3%	37.6%	2.7%	11.1%

*to the respective total number of students

Origin of the foreign students in the winter semester 2015/2016



Origin of the foreign students in the winter semester 2019/2020



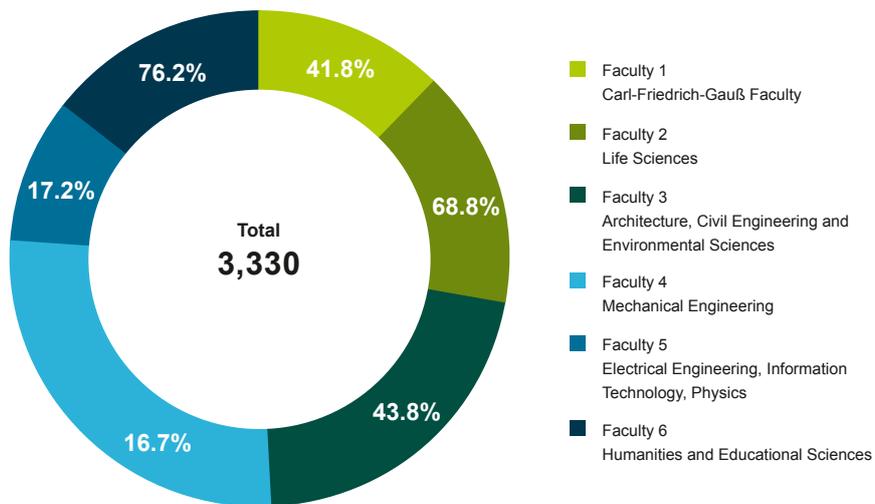
*without nationality, undetermined

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2 Graduates

2.1 Graduates, total

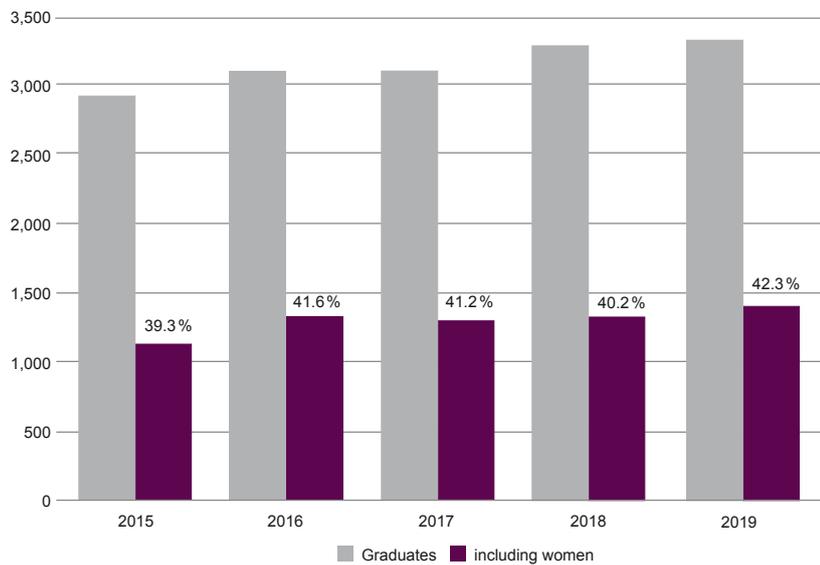
Graduates in the examination year 2019



Graduates including state examination, no doctorates,
 Examination year: WS + SuSe (e.g. examination year 2019: WS 2018/2019 + SuSe 2019)

For figures, see page 25

Development of graduates



Graduates including state examination, without doctorates

Development of graduates by faculty

2015							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Graduates	373	436	584	921	238	378	2,930
including women	155	300	257	113	28	298	1,151
including STEM	239	323	584	921	238	71	2,376
including STEM women	64	209	257	113	28	51	722

2016							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Graduates	335	569	646	902	252	427	3,131
including women	130	404	287	110	33	339	1,303
including STEM	210	460	646	902	252	93	2,563
including STEM women	53	303	287	110	33	71	857

2017							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Graduates	376	462	636	932	262	489	3,157
including women	163	304	261	141	43	390	1,302
including STEM	206	375	636	932	262	89	2,500
including STEM women	66	234	261	141	43	65	810

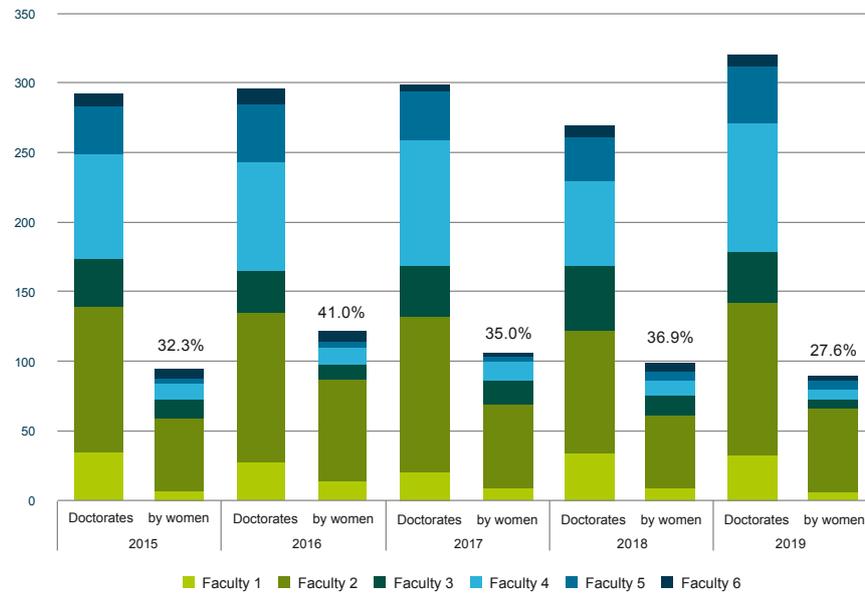
2018							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Graduates	392	458	675	1,028	264	505	3,322
including women	158	320	271	150	38	399	1,336
including STEM	242	344	675	1,028	264	114	2,667
including STEM women	67	222	271	150	38	84	832

2019							
	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
Graduates	407	519	717	900	309	478	3,330
including women	170	357	314	150	53	364	1,408
including STEM	229	414	717	900	309	107	2,676
including STEM women	63	264	314	150	53	74	918

Graduates including state examination, without doctorates

2.2 Doctorates

Development of number of acquired doctorates



		Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Total
2015	Doctorates	34	105	35	75	35	10	294
	by women	7	52	13	12	4	7	95
2016	Doctorates	27	107	30	78	42	11	295
	by women	13	73	11	12	4	8	121
2017	Doctorates	20	111	36	90	35	5	297
	by women	8	59	17	14	<=3	<=3	104
2018	Doctorates	34	87	47	60	32	8	268
	by women	9	52	14	11	6	7	99
2019	Doctorates	32	110	37	93	41	9	322
	by women	5	60	7	7	7	<=3	89

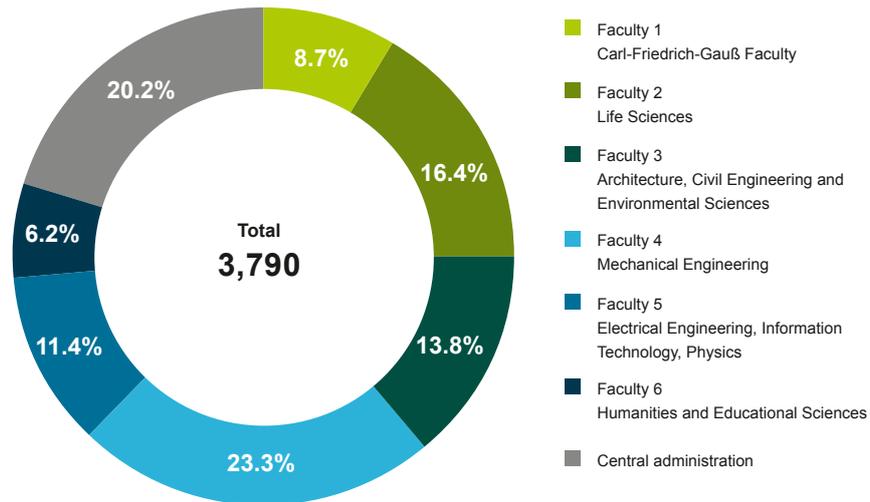
2.3 Postdoctoral degrees

Development of number of acquired postdoctoral degrees

	2015	2016	2017	2018	2019
Postdoctoral degrees	5	5	8	4	8
by women	<=3	<=3	<=3	0	<=3

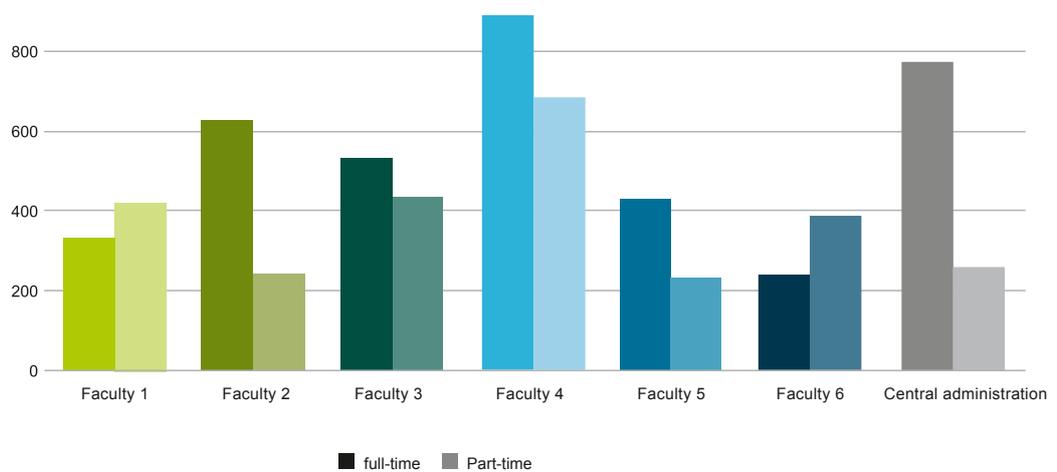
3 Staff

Full-time staff members – head count 2019



Source: University statistics 2019; State Statistical Office for Lower Saxony (LSN)
as of: 1st December 2019

Full- and part-time staff members – head count 2019



For figures, see page 28

Staff members 2019
Sorted by full- and part-time – head count

	Staff members	Women	Percent	Men	Percent	Total
Full-time	Trainees	32	32.7%	66	67.3%	98
	Staff members in technology and administration	841	60.1%	559	39.9%	1,400
	Professors	59	24.3%	184	75.7%	243
	Scientific staff	636	31.0%	1,413	69.0%	2,049
Part-time, total		1,568	41.4%	2,222	58.6%	3,790
Part-time	Adjunct lecturers (for remuneration)	183	45.1%	223	54.9%	406
	Student assistants	770	36.1%	1,361	63.9%	2,131
	Research assistants	59	64.1%	33	35.9%	92
Part-time, total		1,012	38.5%	1,617	61.5%	2,629
Total		2,580	40.2%	3,839	59.8%	6,419

Source: University statistics 2019; LSN
as of: 1st December 2019

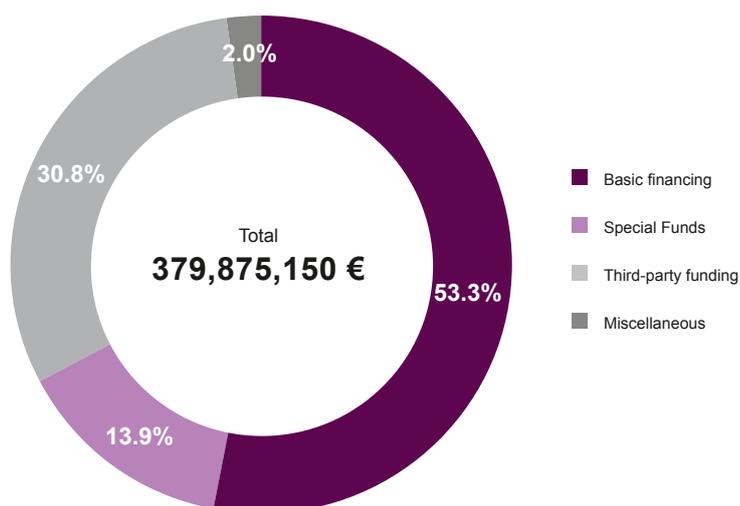
Staff members 2019 by faculty and central administration

	Staff members	Faculty 1	Faculty 2	Faculty 3	Faculty 4	Faculty 5	Faculty 6	Central administration	Total
Full-Time	Trainees	8	4	21	21	16	0	28	98
	Staff members in technology and administration	61	185	128	204	101	46	675	1,400
	Professors	43	53	42	35	34	36	0	243
	Scientific staff	217	381	333	624	280	152	62	2,049
Full-time, total		329	623	524	884	431	234	765	3,790
Part-time	Adjunct lecturers (for remuneration)	56	14	72	22	8	181	53	406
	Student assistants	354	180	347	641	213	194	202	2,131
	Research assistants	9	39	11	13	10	8	<=3	92
Part-time, total		419	233	430	676	231	383	257	2,629
Total		748	856	954	1,560	662	617	1,022	6,419

Source: University statistics 2019; LSN
as of: 1st December 2019

4 Finances

Finance volume in 2019



Source: Profit and loss statement (PaL), see page 31

Development of income by origin of funds in 2015 to 2019

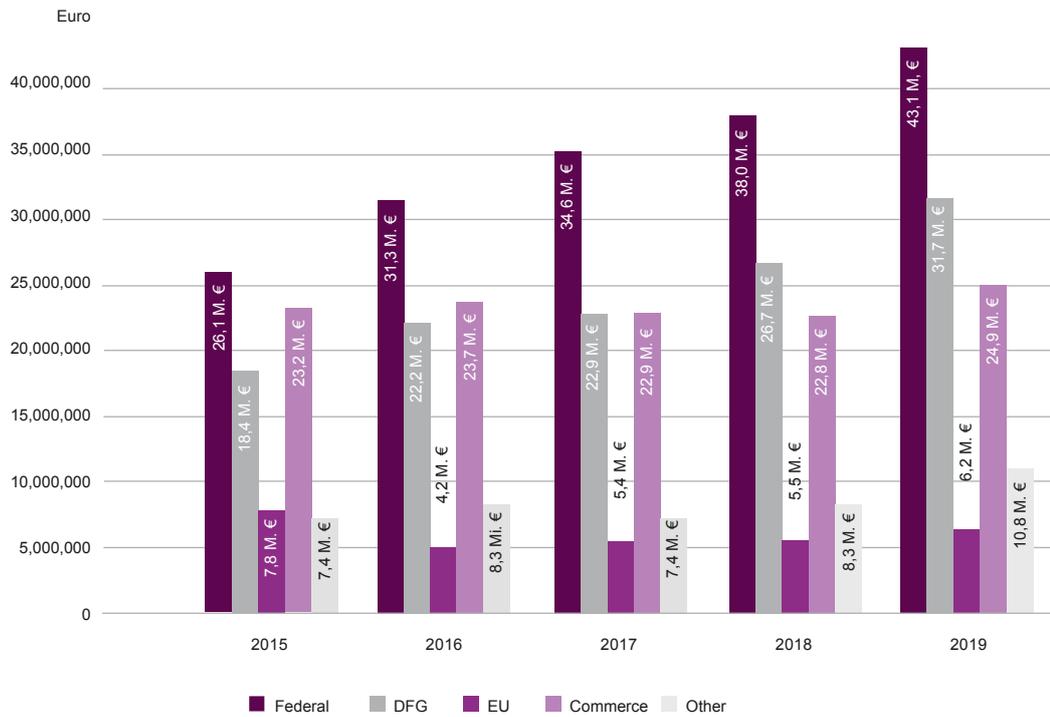
	2015	2016	2017	2018	2019
Continuous grant from the state of Lower Saxony	184,501,536	183,229,992	186,897,924	191,496,599	202,559,416
Special funds of the state	52,584,080	43,222,523	47,775,060	47,995,546	52,896,405
<i>including funds from Hochschulpakt 2020</i>	11,564,701	14,722,223	14,191,488	15,148,032	20,397,663
<i>including government funding for educational quality</i>	9,764,000	12,637,676	13,422,759	13,764,382	13,242,822
<i>including other special funds</i>	31,255,379	15,862,624	20,160,814	19,083,132	19,255,920
Study fees	0	0	0	0	0
Third-party funding	83,214,346	90,032,952	93,467,811	101,570,913	116,833,142
<i>including grant research</i>	57,360,627	62,766,879	67,837,025	76,625,154	90,391,535
<i>including contract research</i>	23,220,382	23,736,569	22,921,031	22,833,016	24,366,055
<i>including donations, scholarships and sponsoring</i>	1,690,101	2,347,083	1,836,690	1,038,058	907,874
<i>including continuing education</i>	943,236	1,182,422	873,065	1,074,685	1,167,678
Other	4,931,949	5,721,090	6,698,357	8,480,594	7,586,188
<i>including change in inventory of semi-finished products</i>	-2,703,403	-2,102,613	-1,060,673	264,581	-379,077
Total	325,231,911	322,206,557	334,839,153	349,543,653	379,875,150
Share of third-party funding	25.6%	27.9%	27.9%	29.1%	30.8%

Source: PaL, see page 28

4.1 Origin of third-party funding

	2015	2016	2017	2018	2019
Federal	26,199,020 €	31,464,997 €	34,612,477 €	38,078,186 €	43,136,127 €
DFG	18,461,550 €	22,294,391 €	22,973,284 €	26,795,856 €	31,690,334 €
EU	7,836,278 €	4,221,523 €	5,489,755 €	5,511,742 €	6,211,229 €
Commercial	23,220,382 €	23,736,569 €	22,921,031 €	22,833,016 €	24,965,694 €
Other	7,497,115 €	8,315,473 €	7,471,264 €	8,352,113 €	10,829,759 €
Total	83,214,346 €	90,032,952 €	93,467,811 €	101,570,913 €	116,833,142 €

Origin of third-party funding



4.2 Profit and loss statement (PaL)

1st January to 31th December 2019 (as of: 14th September 2020)	31th Dec 2019		31th Dec 2018	
	EUR	EUR	EUR	EUR
1. Income from assignments and grant for current expenses				
a) from the state of Lower Saxony from subject chapters funds	200,586,415,96		189,555,598,78	
b) from the state of Lower Saxony from special funds	40,067,459,91		36,287,337,46	
c) from other grant providers	78,475,189,71	319,129,065,58	69,512,704,72	295,355,640,96
2. Income from assignments and subsidies for financing investments				
a) from the state of Lower Saxony from subject chapters funds	1,973,000,00		1,941,000,00	
b) from the state of Lower Saxony from special funds	12,828,945,00		11,708,208,95	
c) from other grant providers	11,916,345,05	26,718,290,05	7,112,449,55	20,761,658,50
3. Income from study fees and long-term study fees		706,000,00		877,000,00
4. Turnover revenues				
a) Income from third-party orders	24,366,054,75		22,833,015,76	
b) Income from continuing education	1,167,677,94		1,074,685,32	
c) Other income	5,982,692,03	31,516,424,72	5,093,535,26	29,001,236,34
5. Reduction of the inventory of semi-finished products		-379,076,64		264,518,16
6. Other operational income				
a) Income from scholarships	451,776,60		565,477,59	
b) Income from donations and sponsoring	456,097,89		472,580,24	
c) Other operating income	28,494,434,30	29,402,308,79	28,875,091,13	29,913,148,96
– including income from dissolution of the special item for investment grants – EUR 27,122,675,82 (PY EUR 26,462,007,92)				
– including income from the dissolution of the special item for study fees EUR 95,186,26 (PY EUR 167,605,33) –				
7. Material expenses/expenses for services received				
a) Expenses for raw, auxiliary and operating materials and other materials	-9,039,377,70		-9,096,993,61	
b) Expenses for services received	-6,103,997,39	-15,143,375,09	-5,421,999,84	-14,518,993,45
8. Funding for staff				
a) Compensation, salaries and remuneration packages	-187,099,562,98		-179,280,415,56	
b) Social security contributions and expenses for old-age pensions and support	-54,667,930,49	-241,767,493,47	-48,607,038,32	-227,887,453,88
– including for old-age pensions EUR 21,777,919,33 (PY EUR 17,760,598,67) –				
9. Depreciations for intangible assets of the investments and fixed assets		-26,596,501,82		-25,721,207,80
10. Other operating expenses				
a) Management of the buildings and facilities	-13,964,478,47		-11,790,034,45	
b) Energy, water, sewage and disposal	-10,509,274,71		-10,082,789,02	
c) Other personnel expenses and teaching assignments	-7,524,335,44		-7,290,927,57	
d) Use of rights and services	-29,103,893,12		-28,346,736,66	
e) Business needs and communication	-1,426,245,01		-1,549,122,33	
f) Student support	-2,813,930,71		-3,020,816,59	
g) Remaining other expenses	-64,093,170,89	-129,435,328,35	-50,571,732,37	-112,652,158,99
– including expenses from addition to the special item for investment grants EUR 37,601,736,15 (PY EUR 31,414,887,71) –				
11. Other interests and income		65,040,76		66,814,51
12. Interests and similar expenses		-13,266,61		-16,482,01
13. Taxes on income and revenue		-5,797,912,08		-4,556,215,70
14. Result after taxes		-526,884,93		-356,147,15
15. Other taxes		-28,306,17		-27,300,54
16. Net surplus		-6,353,103,18		-4,939,663,39
17. Profit carryforward		14,799,758,79		16,629,671,00
18. Withdrawal from profit provisions				
From the provision in accordance with § 49 (1) no. 2 NHG	19,298,059,57		19,862,283,45	
From the special provisions for the non-economic area	3,791,646,04		1,512,960,03	
From special provisions for the economic area	3,537,039,633	26,626,745,24	8,062,899,03	29,438,142,51
19. Addition to retained earnings				
In the provision in accordance with § 49 (1) no. 2 NHG	-14,799,758,79		-16,629,671,00	
In the special provisions for the non-economic area	-543,624,94		-1,392,065,46	
In special provisions for the economic area	-4,552,362,58	-19,895,746,31	-8,831,639,87	-26,853,376,33
20. Change to the net item		-38,070,00		524,985,00
21. Net profit		15,139,584,54		14,799,758,79

4.3 Balance sheet as of 31th December 2019

As of 14th September 2020

Assets	31th Dec 2019		31th Dec 2018	
	EUR	EUR	EUR	EUR
A. Fixed assets				
I. Intangible assets				
1. Usage rights acquired for a fee (software)	1,953,510,00		2,025,100,00	
2. Downpayments made	907,689,11	2,861,199,11	589,057,15	2,614,157,15
II. Property, plant and equipment				
1. Land, leasehold rights and buildings, including building on third-party land	45,772,857,00		40,438,538,00	
2. Technical plants and machinery	4,697,681,00		5,048,195,00	
3. Other plants, operating and business equipment	124,473,160,00		123,664,954,00	
4. Downpayments made and plants under construction	27,396,690,03	202,340,388,03	22,956,682,66	192,108,369,66
III. Financial assets				
Cooperative shares		5,000,00		5,000,00
		205,206,587,14		194,727,526,81
B. Current assets				
I. Inventories				
1. Auxiliary and operating equipment	2,031,000,00		1,979,700,00	
2. Unfinished products	10,871,771,53	12,902,771,53	11,701,446,40	13,681,146,40
II. Receivables and other assets				
1. Trade receivables	7,600,988,65		6,553,282,70	
2. Receivables from the state of Lower Saxony	2,892,070,26		2,575,793,26	
3. Receivables from other grant providers	8,835,385,83		8,494,830,61	
4. Other assets	1,631,707,00	20,960,151,74	1,622,704,98	19,246,611,55
III. Cash, credit in bank accounts				
– including in the suspense account of the Niedersächsischen EUR 145,651,104,65 (PY EUR 146,539,346,43) –		140,979,939,52		145,751,165,60
		174,842,862,79		178,678,923,55
C. Accruals and deferrals				
		2,753,251,14		2,538,298,66
		382,802,701,07		375,944,749,02
Liabilities	31 Dec 2019		31 Dec 2018	
	EUR	EUR	EUR	EUR
A. Equity				
I. Net position				
II. Retained earnings				
1. Provision in accordance with § 49 (1) no. 2 NHG – including liabilities from appointment and continuation agreements EUR 16,406,000,00 (PY EUR 16,538,000,00) –	45,445,613,31		49,943,914,09	
2. Special provisions, non-economic area	2,064,349,81		5,312,370,91	
3. Special provisions, economic area	16,088,157,98	63,598,121,10	15,072,835,03	70,329,120,03
III. Net profit				
		15,139,584,54		14,799,758,79
		68,312,675,64		74,665,778,82
B. Special items for investment grants				
		205,206,587,14		194,727,526,81
C. Special items for study fees				
		84,077,52		179,263,78
D. Provisions				
1. Tax provisions	910,650,00		706,910,00	
2. Other provisions	11,482,840,00		11,740,220,00	
		12,393,490,00		12,447,130,00
E. Liabilities				
1. Downpayments received	11,147,089,52		12,513,353,15	
2. Trade liabilities	8,455,922,57		7,314,343,45	
3. Liabilities towards the state of Lower Saxony	61,138,414,93		61,439,943,66	
4. Liabilities towards other grant providers	12,576,506,81		9,869,226,51	
5. Other liabilities – including from taxes EUR 1,530,615,81 (PY EUR 1,113,674,98) –	3,181,332,72		2,500,239,75	
		96,499,266,55		93,637,106,52
F. Accruals and deferrals				
		306,604,22		287,943,09
		382,802,701,07		375,944,749,02

5 Glossar

Advanced study programmes

Advanced study programmes have the goal of acquiring a master's degree or doctorate.

Applications

Applications are only considered that participate in the approval procedure and that meet the formal requirements. The application for admission must be complete for study programmes without restricted admission.

Balance sheet

The balance sheet is the comparison of assets and capital as of 31st December of a year. The assets reflect the specific use of the funds used, the capital (liabilities) reflect the origin of funds (equity and loan capital).

Basic financing (basic equipment)

Amount allocated for the basic equipment of a university within the scope of the budget plan of the state of Lower Saxony. The basic funding results from items 1a and 2a of the PaL.

Basic study programmes

Basic study programmes have the goal of Bachelor's Degree/Double Major Bachelor's Degree, Diploma, Magister or state examination.

Examination year

The examination year is defined as winter semester plus the subsequent summer semester (e.g. examination year 2019 = WS 2018/2019 and SuSe 2019).

Faculty 1: Carl-Friedrich-Gauß Faculty: Departments Computer Sciences, Mathematics, Social Sciences, Economics with 14 study programmes and two partial study programmes.

Faculty 2: Life Sciences: Biosciences, Chemistry, Food Chemistry, Pharmaceutics, Psychology with 16 study programmes.

Faculty 3: Architecture, Civil Engineering and Environmental Sciences with 19 study programmes.

Faculty 4: Mechanical Engineering with eleven study programmes.

Faculty 5: Electrical Engineering, Information Technology, Physics with 12 study programmes and two partial study programmes.

Faculty 6: Humanities and Educational Sciences: English, Educational Sciences, Protestant Theology, Teaching Methodology of Natural Sciences (Biology, Chemistry, Physics), German Studies, History, Mathematical Didactics, Music, Philosophy, Sport with six study programmes and 49 partial study programmes.

Finance volume

The finance volume includes the total budget volume of the university. It is defined by items 1 to 6 of the PaL, minus income from dissolution of the special item for investment grants as well as for tuition fees

Foreign students

Foreign students are students who received their university entrance qualification abroad or at preparatory college..

Graduates

Graduates are students who passed the final examination. These are the final Bachelor's Degree/Double Major Bachelor's Degree, Diploma, Magister, Master's Degree and state examination. Doctorates are indicated separately.

Government funding for educational quality

Government funding for educational quality are compensation payments from the state of Lower Saxony for the discontinued study fees, in order to continue to improve the quality of teaching and the study conditions at the Lower-Saxon universities. The state dynamically adjusts the funds to the number of students. They are amicably divided between the committee for government funding for educational quality (50% of the members are students) and the Executive Committee at TU Braunschweig.

International students

International students are students with foreign nationalities.

PaL

The profit and loss statement (PaL) is a comparison of the expenses and income in a year to determine the result of the university. It is compiled according to the rules of the Commercial Code (Handelsgesetzbuch; HGB).

Reporting year

The reporting year is defined as summer semester plus the subsequent winter semester (e.g. academic year 2019 = SuSe 2019 and WS 2019/2020).

Special funds of the state

Available funds of the Lower Saxon Ministry for science and culture (Ministerium für Wissenschaft und Kultur; MWK) for certain measures, such as government funding for educational quality and university pact funds result from items 1b and 2b of the PaL.

Staff

A university's staff include scientific and artistic, as well as non-scientific staff. They are broken down into full- and part-time and indicated as a head count.

STEM

Short for: science, technology, engineering and mathematics.

Students

Students are the students enrolled in a study programme in the respective winter semester, minus those on leave. The students are indicated as a head count.

Students in the 1st semester

Students in the 1st semester are Students in the first study semester.

Study semester

Study semesters are any semesters that are completed to take a university examination in a specific study programme.

Summer semester

The summer semester is from 01st April to 30th September of a year.

Third-party funding

Third-party funding is funding that is acquired for promoting research and development, as well as junior researchers and teaching, in addition to the regular university budget (basic equipment) of public and private providers (except for the state of Lower Saxony). According to the accounting guidelines, funds from contract and grant research, donations/sponsoring, scholarships and continuing education are part of third-party funding. These are revenue from third-party funding that are reported under items 1c, 2c, 4a, 4b, 6a and 6b of the income statement.

Useful area

The useful area is the total of the area that serves a building's purpose (e.g. for work or accommodation purposes, NF 1 to 6).

Winter semester

The winter semester is from 01st October of a year until 31th March of the following year.



Publisher:

Technische Universität Braunschweig

Editorial office:

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