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Higher education graduates, by subject groups, examination types and sex¹

Examination type	Year ^{2,3}	Number					
		Subject groups, total ⁴	Humanities ⁵	Total			
				Law, economics, social sciences	Mathematics, natural sciences	Human medicine, health sciences	Agricultural, forestry and nutritional sciences, veterinary medicine
University degree ^{6,7,8}	1993	101,401	14,499	27,542	18,898	13,582	4,109
	2000	94,999	17,826	30,784	14,828	10,698	3,160
	2005	101,755	21,550	32,589	16,883	10,680	2,699
	2008	111,834	24,579	34,414	21,017	11,922	2,161
	2009	111,853	22,553	36,735	20,742	12,130	2,198
	2010	103,413	21,408	31,118	18,758	11,864	2,009
	2011	94,018	19,143	26,383	16,296	11,669	1,966
	2012	80,290	16,287	20,686	12,904	11,619	1,728
	2013	64,054	11,364	15,539	9,571	11,914	1,402
	2014	50,675	8,338	12,638	6,577	11,559	1,176
	2015	39,049	4,567	10,439	4,622	11,305	1,059
	2016	34,623	1,665	11,729	3,314	11,686	995
	2017	32,145	1,315	11,100	2,575	11,795	1,023
	2018	29,953	1,152	10,218	2,334	11,406	936
2019	30,862	1,105	10,699	2,446	12,091	942	
Doctorate	1993	21,032	1,899	2,109	6,019	7,847	1,143
	2000	25,780	2,732	3,261	7,607	8,397	1,059
	2005	25,952	2,942	3,811	7,068	8,224	1,243
	2008	25,190	2,789	3,769	7,303	7,352	1,011
	2009	25,084	2,726	3,549	7,425	7,700	994
	2010	25,629	2,875	3,534	8,092	7,287	1,019
	2011	26,981	2,849	3,761	8,460	7,771	1,027
	2012	26,807	3,019	3,509	8,718	7,350	1,065
	2013	27,707	3,125	3,746	9,560	7,003	897
	2014	28,147	3,172	3,646	9,521	7,326	969
	2015	29,218	3,184	3,692	9,950	7,322	1,016
	2016	29,303	2,280	4,794	8,782	7,414	1,008
	2017	28,404	2,170	4,412	8,616	7,125	1,100
	2018	27,838	2,130	4,242	8,445	7,301	946
2019	28,690	2,191	4,193	8,439	7,884	889	
Teacher's degree ⁹	1993	16,235	10,588	779	2,914	-	177
	2000	26,938	17,759	1,716	4,869	-	225
	2005	24,286	16,505	1,132	4,425	80	161
	2008	32,579	21,728	1,470	6,578	154	195
	2009	36,120	24,019	1,606	7,519	295	196
	2010	37,577	25,195	1,804	7,857	180	196
	2011	38,758	26,079	1,942	7,876	200	163
	2012	38,708	26,099	2,045	7,704	281	218
	2013	41,519	27,893	2,521	8,198	224	204
	2014	43,291	29,227	2,464	8,492	256	242
	2015	43,989	30,096	2,336	8,686	249	272
	2016	43,998	22,152	10,935	8,103	279	243
	2017	44,248	21,215	12,143	8,082	351	277
	2018	45,460	22,733	10,957	8,886	370	249
2019	46,454	23,049	10,922	9,418	350	323	

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Higher education graduates, by subject groups, examination types and sex¹

Examination type	Year ^{2,3}	Number					
		Total					
		Subject groups, total ⁴	Humanities ⁵	Law, economics, social sciences	Mathematics, natural sciences	Human medicine, health sciences	Agricultural, forestry and nutritional sciences, veterinary medicine
Degree at university of applied sciences ⁷	1993	63,055	1,279	27,222	3,362	-	2,276
	2000	66,260	1,198	33,769	3,030	-	2,398
	2005	81,483	1,568	43,681	7,228	1,162	2,675
	2008	82,802	1,772	41,715	7,045	1,462	2,686
	2009	72,808	988	36,879	5,935	1,345	2,295
	2010	56,248	658	28,707	4,128	1,075	1,575
	2011	38,638	432	19,989	2,459	821	995
	2012	25,804	321	14,263	1,294	499	481
	2013	17,381	194	10,555	785	335	159
	2014	12,074	94	7,378	491	351	48
	2015	10,044	42	6,304	306	276	11
	2016	9,830	16	6,484	22	328	2
	2017	8,194	11	5,863	15	328	3
2018	7,217	15	5,275	6	476	-	
2019	6,764	17	5,472	10	1	-	
Bachelor's degree ⁸	1993	-	-	-	-	-	-
	2000	126	42	13	3	-	65
	2005	9,848	2,172	2,783	2,834	162	609
	2008	39,753	9,156	12,481	8,496	926	1,857
	2009	71,989	12,194	28,801	12,948	1,524	2,498
	2010	112,108	17,849	44,879	19,796	2,298	3,439
	2011	152,484	22,003	61,173	25,210	3,231	4,526
	2012	183,169	25,943	71,708	28,994	3,751	5,036
	2013	207,401	30,574	80,529	31,061	4,374	5,524
	2014	229,282	33,879	88,730	34,732	5,555	5,699
	2015	245,658	35,595	94,379	36,089	6,525	6,296
	2016	249,561	22,090	111,464	19,910	7,711	5,959
	2017	252,286	21,928	113,660	19,505	8,355	6,117
2018	247,247	19,631	113,545	18,518	8,437	6,302	
2019	254,142	19,972	116,310	19,055	10,208	6,226	
Master's degree ⁸	1993	-	-	-	-	-	-
	2000	370	23	207	42	9	12
	2005	9,158	1,140	3,342	1,255	132	603
	2008	17,206	2,156	5,793	3,183	535	1,075
	2009	20,802	2,456	7,524	3,718	859	1,306
	2010	26,722	3,288	9,350	4,866	1,048	1,491
	2011	41,292	4,988	14,605	7,355	1,137	1,862
	2012	58,560	7,357	21,169	10,729	1,482	2,329
	2013	78,358	10,423	26,866	15,083	1,807	2,786
	2014	97,034	13,351	31,979	18,366	1,994	3,203
	2015	113,630	15,756	36,841	20,820	2,456	3,492
	2016	124,363	10,003	46,902	15,029	2,650	3,591
	2017	136,457	10,955	51,042	16,340	2,686	3,901
2018	140,960	11,166	52,891	15,788	3,406	3,969	
2019	145,373	11,254	55,749	16,187	3,434	3,850	

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Higher education graduates, by subject groups, examination types and sex¹

Examination type	Year ^{2,3}	Number				
		Total		Subject groups, total ⁴	Female	
		Engineering	Art, art theory		Humanities ⁵	Law, economics, social sciences
University degree ^{6,7,8}	1993	18,217	4,554	39,507	9,066	10,804
	2000	12,342	5,361	42,599	12,082	12,468
	2005	10,743	6,611	51,761	15,281	15,113
	2008	10,996	6,745	59,133	17,887	16,740
	2009	10,950	6,545	58,532	16,426	17,891
	2010	11,905	6,351	54,086	15,475	15,170
	2011	12,518	6,043	48,460	13,520	13,010
	2012	11,602	5,464	41,707	11,306	10,421
	2013	10,002	4,262	33,346	8,043	8,073
	2014	7,080	3,307	27,229	5,670	6,879
	2015	4,519	2,537	21,615	3,057	5,773
	2016	3,387	1,847	19,659	1,002	6,726
	2017	2,664	1,673	18,309	738	6,424
	2018	2,072	1,835	17,466	660	5,894
	2019	1,935	1,644	18,168	607	6,248
Doctorate	1993	1,656	303	6,438	769	465
	2000	2,398	317	8,852	1,213	934
	2005	2,336	328	10,272	1,426	1,190
	2008	2,541	323	10,558	1,476	1,238
	2009	2,340	258	11,067	1,461	1,251
	2010	2,561	261	11,301	1,554	1,301
	2011	2,833	248	12,105	1,581	1,359
	2012	2,860	256	12,179	1,670	1,273
	2013	3,119	255	12,256	1,675	1,352
	2014	3,187	306	12,798	1,781	1,393
	2015	3,736	318	13,052	1,838	1,375
	2016	4,719	302	13,248	1,178	2,207
	2017	4,711	263	12,713	1,133	1,983
	2018	4,458	315	12,577	1,142	1,955
	2019	4,790	299	13,038	1,149	1,975
Teacher's degree ⁹	1993	502	1,275	11,991	8,264	479
	2000	671	1,698	19,157	13,369	1,150
	2005	402	1,581	18,498	13,160	765
	2008	515	1,936	24,527	17,022	921
	2009	512	1,973	26,671	18,474	933
	2010	462	1,883	27,707	19,389	1,029
	2011	508	1,989	28,348	19,927	1,104
	2012	455	1,906	28,456	19,962	1,224
	2013	531	1,948	30,352	21,276	1,520
	2014	532	2,077	31,724	22,326	1,490
	2015	488	1,862	32,108	23,017	1,416
	2016	656	1,630	31,728	16,251	8,504
	2017	668	1,511	31,921	15,346	9,520
	2018	660	1,605	32,891	16,802	8,337
	2019	744	1,640	33,897	17,281	8,330

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Higher education graduates, by subject groups, examination types and sex¹

Examination type	Year ^{2,3}	Number					
		Total		Subject groups, total ⁴	Female		
		Engineering	Art, art theory		Humanities ⁵	Law, economics, social sciences	
Degree at university of applied sciences ⁷	1993	27,036	1,880	20,622	1,042	13,152	
	2000	23,779	2,086	25,321	859	16,904	
	2005	22,240	2,929	35,760	1,130	24,113	
	2008	25,216	2,902	35,073	1,230	22,899	
	2009	22,768	2,595	30,166	737	19,914	
	2010	18,083	2,022	23,124	484	15,441	
	2011	12,527	1,415	15,407	326	10,237	
	2012	7,956	990	10,228	242	7,014	
	2013	4,764	589	6,872	152	5,083	
	2014	3,454	258	4,575	66	3,505	
	2015	2,968	137	3,786	31	3,032	
	2016	2,788	190	3,878	14	3,174	
	2017	1,785	189	3,624	10	3,015	
	2018	1,300	145	3,417	11	2,779	
	2019	1,142	122	3,328	15	3,090	
	Bachelor's degree ⁸	1993	-	-	-	-	-
		2000	3	-	56	27	8
		2005	1,089	199	4,955	1,663	1,474
		2008	5,426	1,411	21,469	6,928	7,003
2009		11,981	2,042	37,201	9,128	16,394	
2010		20,326	3,521	57,326	13,475	25,824	
2011		31,272	5,069	76,176	16,724	34,779	
2012		41,296	6,441	90,385	19,793	40,741	
2013		47,809	7,529	102,561	23,390	45,514	
2014		52,646	8,040	111,483	25,826	49,314	
2015		58,163	8,607	119,010	26,912	53,004	
2016		73,200	9,210	123,882	15,677	67,244	
2017		72,694	9,482	127,134	15,609	69,150	
2018		71,529	9,270	124,990	14,021	69,224	
2019		73,043	9,299	129,435	14,136	71,271	
Master's degree ⁸		1993	-	-	-	-	-
		2000	77	-	92	11	47
		2005	2,597	76	3,725	730	1,559
		2008	4,057	396	7,331	1,518	2,746
	2009	4,417	522	9,120	1,792	3,573	
	2010	5,912	767	12,225	2,391	4,525	
	2011	10,079	1,266	18,241	3,527	7,063	
	2012	13,606	1,888	26,736	5,339	10,427	
	2013	18,869	2,524	36,200	7,763	13,573	
	2014	24,998	3,143	44,818	10,090	16,427	
	2015	30,527	3,721	52,098	11,887	18,899	
	2016	42,188	3,945	56,509	7,174	26,327	
	2017	47,124	4,225	61,337	7,777	28,361	
	2018	49,171	4,525	63,542	7,830	29,529	
	2019	50,335	4,530	66,782	7,840	31,571	

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Higher education graduates, by subject groups, examination types and sex¹

Examination type	Year ^{2,3}	Number					
		Mathematics, natural sciences	Human medicine, health sciences	Female		Art, art theory	
				Agricultural, forestry and nutritional sciences, veterinary medicine	Engineering		
University degree ^{6,7,8}	1993	6,557	5,919	2,054	2,589	2,518	
	2000	5,296	5,088	1,864	2,537	3,264	
	2005	7,038	5,888	1,828	2,502	4,111	
	2008	8,603	7,300	1,538	2,768	4,297	
	2009	8,337	7,551	1,623	2,608	4,096	
	2010	7,644	7,432	1,508	2,847	4,010	
	2011	6,537	7,198	1,482	2,874	3,839	
	2012	5,305	7,413	1,356	2,463	3,443	
	2013	3,957	7,518	1,100	2,045	2,610	
	2014	3,064	7,211	919	1,496	1,990	
	2015	2,236	7,144	879	993	1,532	
	2016	2,116	7,259	818	670	1,068	
	2017	1,646	7,200	839	522	940	
	2018	1,607	7,080	795	369	1,061	
	2019	1,736	7,408	795	434	940	
	Doctorate	1993	1,443	3,038	442	97	175
		2000	2,023	3,710	536	246	190
		2005	2,353	4,059	721	317	206
		2008	2,733	3,932	601	363	202
2009		2,920	4,228	630	400	160	
2010		3,179	4,067	635	394	171	
2011		3,366	4,472	664	500	158	
2012		3,568	4,278	707	505	171	
2013		3,763	4,132	565	602	165	
2014		3,788	4,381	642	605	194	
2015		3,873	4,374	662	720	210	
2016		3,738	4,411	674	833	206	
2017		3,645	4,194	697	879	180	
2018		3,511	4,285	621	853	210	
2019		3,544	4,726	554	892	197	
Teacher's degree ⁹		1993	2,015	-	144	173	916
		2000	2,948	-	189	198	1,303
		2005	3,043	68	130	103	1,229
		2008	4,542	131	160	160	1,589
	2009	5,101	254	154	175	1,580	
	2010	5,362	150	156	167	1,454	
	2011	5,274	178	131	197	1,536	
	2012	5,204	249	167	154	1,496	
	2013	5,518	192	166	191	1,489	
	2014	5,701	229	200	198	1,580	
	2015	5,689	223	217	169	1,377	
	2016	5,145	243	180	234	1,171	
	2017	5,241	297	211	248	1,057	
	2018	5,853	322	188	249	1,140	
	2019	6,343	286	271	214	1,166	

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Higher education graduates, by subject groups, examination types and sex¹

Examination type	Year ^{2,3}	Number					
		Female					
		Mathematics, natural sciences	Human medicine, health sciences	Agricultural, forestry and nutritional sciences, veterinary medicine	Engineering	Art, art theory	
Degree at university of applied sciences ⁷	1993	770	-	1,017	3,571	1,070	
	2000	486	-	1,194	4,553	1,325	
	2005	1,566	839	1,393	4,853	1,866	
	2008	1,433	1,089	1,435	5,119	1,865	
	2009	1,199	1,022	1,199	4,502	1,591	
	2010	906	825	833	3,311	1,324	
	2011	524	639	490	2,280	911	
	2012	286	396	232	1,492	566	
	2013	153	240	84	787	373	
	2014	85	258	30	492	139	
	2015	62	223	6	336	96	
	2016	13	237	-	320	120	
	2017	4	260	1	206	128	
	2018	1	360	-	167	99	
	2019	2	1	-	150	70	
	Bachelor's degree ⁸	1993	-	-	-	-	-
		2000	-	-	21	-	-
		2005	877	129	398	281	133
		2008	3,288	738	1,092	1,568	852
2009		4,585	1,131	1,490	3,182	1,290	
2010		7,235	1,686	2,024	4,842	2,240	
2011		8,933	2,408	2,636	7,365	3,331	
2012		10,334	2,913	2,977	9,436	4,191	
2013		10,932	3,358	3,157	11,277	4,933	
2014		11,718	4,205	3,234	11,942	5,244	
2015		11,913	4,960	3,463	13,223	5,534	
2016		9,117	6,061	3,270	16,538	5,962	
2017		9,043	6,372	3,400	17,054	6,252	
2018		8,586	6,433	3,522	17,180	6,016	
2019		8,980	7,615	3,527	17,839	6,049	
Master's degree ⁸		1993	-	-	-	-	-
		2000	11	4	1	18	-
		2005	386	76	312	612	46
		2008	941	249	626	1,026	217
	2009	1,117	446	764	1,087	341	
	2010	1,718	609	882	1,598	502	
	2011	2,607	676	1,085	2,470	813	
	2012	3,826	1,003	1,393	3,473	1,275	
	2013	5,469	1,210	1,666	4,859	1,660	
	2014	6,773	1,299	1,926	6,194	2,109	
	2015	7,477	1,661	2,108	7,649	2,414	
	2016	6,669	1,695	2,085	9,969	2,573	
	2017	7,154	1,871	2,292	11,055	2,769	
	2018	6,855	2,282	2,281	11,864	2,888	
	2019	7,241	2,486	2,234	12,478	2,929	

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Higher education graduates, by subject groups, examination types and sex¹

- 1 As of the 2016 examination year, there has been a change in the subject classification so parts of the data are of limited comparability with the previous years. For more information see source. Former group “Veterinary medicine” has been added to group “Agricultural, forestry and nutritional sciences, veterinary medicine”; the values have been retrospectively adjusted to all years presented.
- 2 Winter semester and the following summer semester (e.g. 1993 = WS 1992/1993 and SS 1993).
- 3 Due to a revision of the study subject assignments in North Rhine-Westphalia, as of the 2007 examination year the results can only be compared with the previous years to a limited extent.
- 4 Including subjects outside the fields of study structure.
- 5 Including sports.
- 6 Including “artistic degree” and “other degree”.
- 7 Excluding bachelor’s degree and master’s degree.
- 8 Excluding teacher’s degree.
- 9 Including teacher’s bachelor degree and teacher’s master degree.

Last update: September 2020

Source: Federal Statistical Office, Fachserie 11 Reihe 4.2

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