

■ Table 1.9.5

First-time graduates, total¹ and percentage of the age-specific population² in Germany, by subject groups and study areas

In international demarcation								
Subject group/ study area ³	2005		2019		2020		2021	
	Number	in %	Number	in %	Number	in %	Number	in %
Mathematics, natural sciences:	18,599	1.9	26,956	2.8	23,839	2.5	27,073	2.9
In general	427	0.0	1,356	0.1	988	0.1	1,213	0.1
Mathematics	3,904	0.4	5,423	0.6	5,246	0.6	5,585	0.6
Physics, astronomy	1,908	0.2	3,034	0.3	2,558	0.3	3,059	0.3
Chemistry	2,801	0.3	4,772	0.5	3,873	0.4	4,632	0.5
Pharmacy	1,814	0.2	2,035	0.2	1,846	0.2	2,185	0.2
Biology	5,046	0.5	6,899	0.7	6,385	0.7	7,219	0.8
Earth sciences	606	0.1	1,049	0.1	806	0.1	209	0.0
Geography	2,093	0.2	2,388	0.2	2,137	0.2	2,971	0.3
Human medicine	11,952	1.2	22,024	2.3	20,434	2.2	21,159	2.3
Agricultural, forestry and nutritional sciences, veterinary medicine	6,063	0.6	8,064	0.8	7,786	0.8	8,001	0.9
Engineering:	46,554	4.7	78,729	8.1	73,144	7.7	77,006	8.2
In general	831	0.1	6,389	0.7	5,814	0.6	5,377	0.6
Mining, metallurgy	153	0.0	174	0.0	153	0.0	144	0.0
Mechanical engineering, process engineering	12,483	1.3	19,824	2.0	17,246	1.8	17,941	1.9
Electrical engineering	7,020	0.7	7,423	0.8	6,482	0.7	6,912	0.7
Traffic engineering, nautical sciences	1,633	0.2	3,090	0.3	2,711	0.3	2,706	0.3
Architecture	5,944	0.6	5,193	0.5	5,024	0.5	5,528	0.6
Spatial planning	748	0.1	451	0.0	455	0.0	460	0.0
Civil engineering	4,825	0.5	5,714	0.6	5,508	0.6	6,030	0.6
Surveying	718	0.1	601	0.1	554	0.1	513	0.1
Business engineering specialising in engineering sciences	-	-	12,291	1.3	11,381	1.2	11,758	1.3
Computer sciences	12,199	1.2	17,579	1.8	17,816	1.9	19,637	2.1
Other sciences	114,602	11.5	177,359	18.3	166,895	17.6	184,230	19.7
Total	197,770	19.9	313,132	32.4	292,098	30.8	317,469	33.9

1 Without graduates of graduate studies. Data are not identical to the number of total passed exams at higher education institutions in table 1.9.6. In 2005, demarcation pursuant to ISCED 1997 level 5A; as of 2019, demarcation pursuant to ISCED 2011 level 6 sub-category 645 and level 7 sub-category 746. In 2005, ISCED 645 excluding vocational academies.

2 Net rates according to the OECD calculation method (Therefore the number of first-time graduates of that age is divided by the total population of the corresponding age. These age-specific graduation rates are added up to net graduation rates.)

3 Allocation of study areas to subject groups pursuant to the subject classification of the higher education statistics version 2015. For comparative purposes the results were calculated back to 2005.

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This table also appears in the Federal Report on Research and Innovation as Table 17.

Source: Federal Statistical Office, special evaluation

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<https://www.govdata.de/dl-de/by-2-0>