

TABLE B-5. Characteristics of graduate students in new frame and core institutions: 2013

Characteristics	Count				Percent distribution			
	New frame institutions	Core institutions	All institutions	Percent change	New frame institutions	Core institutions	All institutions	Percentage point change <sup>a</sup>
All graduate students	20,772	633,010	653,782	3.3	100.0	100.0	100.0	-
Full-time	9,529	468,953	478,482	2.0	45.9	74.1	73.2	-0.9
Part-time	11,243	164,057	175,300	6.9	54.1	25.9	26.8	0.9
Female	11,174	291,380	302,554	3.8	53.8	46.0	46.3	0.2
Male	9,598	341,630	351,228	2.8	46.2	54.0	53.7	-0.2
U.S. citizens and permanent residents <sup>b</sup>	17,957	436,296	454,253	4.1	86.4	68.9	69.5	0.6
Hispanic or Latino	2,363	37,283	39,646	6.3	13.2	8.5	8.7	0.2
Not Hispanic or Latino								
American Indian or Alaska Native	130	2,517	2,647	5.2	0.7	0.6	0.6	0.0
Asian	1,045	37,137	38,182	2.8	5.8	8.5	8.4	-0.1
Black or African American	3,534	37,197	40,731	9.5	19.7	8.5	9.0	0.4
Native Hawaiian or Other Pacific Islander	39	1,037	1,076	3.8	0.2	0.2	0.2	0.0
White	8,696	281,354	290,050	3.1	48.4	64.5	63.9	-0.6
More than one race	447	9,160	9,607	4.9	2.5	2.1	2.1	0.0
Unknown race and ethnicity	1,703	30,611	32,314	5.6	9.5	7.0	7.1	0.1
Temporary visa holders	2,815	196,714	199,529	1.4	13.6	31.1	30.5	-0.6
Primary source of support <sup>c</sup>								
Federal	412	76,840	77,252	0.5	4.3	16.4	16.1	-0.2
Institutional	1,574	189,440	191,014	0.8	16.5	40.4	39.9	-0.5
Other nonfederal	149	25,885	26,034	0.6	1.6	5.5	5.4	-0.1
Self-support	7,394	176,788	184,182	4.2	77.6	37.7	38.5	0.8
Primary mechanism of support among funded students <sup>d</sup>								
Fellowships	290	43,432	43,722	0.7	13.6	14.9	14.9	0.0
Traineeships	85	10,514	10,599	0.8	4.0	3.6	3.6	0.0
Research assistants	427	116,377	116,804	0.4	20.0	39.8	39.7	-0.1
Teaching assistants	365	88,689	89,054	0.4	17.1	30.4	30.3	-0.1
Other mechanisms	968	33,153	34,121	2.9	45.3	11.3	11.6	0.2
Institutional control								
Public	10,035	446,818	456,853	2.2	48.3	70.6	69.9	-0.7
Private, nonprofit	10,737	176,573	187,310	6.1	51.7	27.9	28.7	0.8
Private, for-profit	0	9,619	9,619	0.0	0.0	1.5	1.5	0.0
Carnegie classification								
Research universities	0	479,425	479,425	0.0	0.0	75.7	73.3	-2.4
Other doctoral universities	2,013	44,924	46,937	4.5	9.7	7.1	7.2	0.1
All other colleges and universities	18,759	108,661	127,420	17.3	90.3	17.2	19.5	2.3
Detailed field								
Science	17,048	417,251	434,299	4.1	82.1	65.9	66.4	0.5
Agricultural sciences	519	16,429	16,948	3.2	2.5	2.6	2.6	0.0
Biological sciences	2,412	76,649	79,061	3.1	11.6	12.1	12.1	0.0
Anatomy	16	527	543	3.0	0.1	0.1	0.1	0.0
Biochemistry	0	4,970	4,970	0.0	0.0	0.8	0.8	0.0
Biology	594	16,004	16,598	3.7	2.9	2.5	2.5	0.0
Biometry and epidemiology	58	8,478	8,536	0.7	0.3	1.3	1.3	0.0
Biophysics	0	952	952	0.0	0.0	0.2	0.1	0.0
Botany	0	1,878	1,878	0.0	0.0	0.3	0.3	0.0
Cell and molecular biology	64	6,543	6,607	1.0	0.3	1.0	1.0	0.0
Ecology	2	1,437	1,439	0.1	0.0	0.2	0.2	0.0
Entomology and parasitology	0	1,278	1,278	0.0	0.0	0.2	0.2	0.0
Genetics	30	2,315	2,345	1.3	0.1	0.4	0.4	0.0
Microbiology, immunology, and virology	17	4,961	4,978	0.3	0.1	0.8	0.8	0.0

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Characteristics	Count				Percent distribution			
	New frame institutions	Core institutions	All institutions	Percent change	New frame institutions	Core institutions	All institutions	Percentage point change <sup>a</sup>
Nutrition	306	5,387	5,693	5.7	1.5	0.9	0.9	0.0
Pathology	0	1,112	1,112	0.0	0.0	0.2	0.2	0.0
Pharmacology	0	2,979	2,979	0.0	0.0	0.5	0.5	0.0
Physiology	129	3,224	3,353	4.0	0.6	0.5	0.5	0.0
Zoology	48	1,188	1,236	4.0	0.2	0.2	0.2	0.0
Biological sciences nec	1,148	13,416	14,564	8.6	5.5	2.1	2.2	0.1
Communication	661	11,114	11,775	5.9	3.2	1.8	1.8	0.0
Computer sciences	6,226	56,339	62,565	11.1	30.0	8.9	9.6	0.7
Earth, atmospheric, and ocean sciences	278	15,816	16,094	1.8	1.3	2.5	2.5	0.0
Atmospheric sciences	11	1,534	1,545	0.7	0.1	0.2	0.2	0.0
Geosciences	0	8,754	8,754	0.0	0.0	1.4	1.3	0.0
Ocean sciences	126	2,682	2,808	4.7	0.6	0.4	0.4	0.0
Earth, atmospheric, and ocean sciences	141	2,846	2,987	5.0	0.7	0.4	0.5	0.0
Family and consumer sciences and human sciences	54	4,014	4,068	1.3	0.3	0.6	0.6	0.0
Mathematical sciences	378	24,804	25,182	1.5	1.8	3.9	3.9	-0.1
Mathematics and applied mathematics	275	18,323	18,598	1.5	1.3	2.9	2.8	0.0
Statistics	103	6,481	6,584	1.6	0.5	1.0	1.0	0.0
Multidisciplinary and interdisciplinary studies	675	5,463	6,138	12.4	3.2	0.9	0.9	0.1
Nanotechnology <sup>e</sup>	0	429	429	0.0	0.0	0.1	0.1	0.0
Neuroscience	0	4,795	4,795	0.0	0.0	0.8	0.7	0.0
Physical sciences	136	42,273	42,409	0.3	0.7	6.7	6.5	-0.2
Astronomy	0	1,250	1,250	0.0	0.0	0.2	0.2	0.0
Chemistry	37	22,949	22,986	0.2	0.2	3.6	3.5	-0.1
Physics	73	15,239	15,312	0.5	0.4	2.4	2.3	-0.1
Physical science nec	26	581	607	4.5	0.1	0.1	0.1	0.0
Psychology	2,554	54,102	56,656	4.7	12.3	8.5	8.7	0.1
Psychology, combined	356	15,960	16,316	2.2	1.7	2.5	2.5	0.0
Psychology, except clinical	1,863	28,233	30,096	6.6	9.0	4.5	4.6	0.1
Clinical psychology	335	9,909	10,244	3.4	1.6	1.6	1.6	0.0
Social sciences	3,155	107,278	110,433	2.9	15.2	16.9	16.9	-0.1
Agricultural economics	0	1,916	1,916	0.0	0.0	0.3	0.3	0.0
Anthropology (cultural and social)	32	8,172	8,204	0.4	0.2	1.3	1.3	0.0
Economics	125	14,819	14,944	0.8	0.6	2.3	2.3	-0.1
Geography	28	4,891	4,919	0.6	0.1	0.8	0.8	0.0
History and philosophy of science	3	391	394	0.8	0.0	0.1	0.1	0.0
Linguistics	0	3,509	3,509	0.0	0.0	0.6	0.5	0.0
Political science	85	15,180	15,265	0.6	0.4	2.4	2.3	-0.1
International relations and national security <sup>e</sup>	56	3,902	3,958	1.4	0.3	0.6	0.6	0.0
Public administration <sup>e</sup>	1,662	22,499	24,161	7.4	8.0	3.6	3.7	0.1
Public policy analysis <sup>e</sup>	36	6,830	6,866	0.5	0.2	1.1	1.1	0.0
Sociology	78	8,960	9,038	0.9	0.4	1.4	1.4	0.0
Sociology and anthropology	0	228	228	0.0	0.0	0.0	0.0	0.0
Social sciences nec	660	11,016	11,676	6.0	3.2	1.7	1.8	0.0
Criminal justice-safety studies <sup>e</sup>	390	4,965	5,355	7.9	1.9	0.8	0.8	0.0
Engineering	1,033	153,049	154,082	0.7	5.0	24.2	23.6	-0.6
Aerospace engineering	0	5,181	5,181	0.0	0.0	0.8	0.8	0.0
Agricultural engineering	0	1,040	1,040	0.0	0.0	0.2	0.2	0.0
Biological and biosystems engineering <sup>e</sup>	22	602	624	3.7	0.1	0.1	0.1	0.0
Architecture	0	2,176	2,176	0.0	0.0	0.3	0.3	0.0
Biomedical engineering	0	9,198	9,198	0.0	0.0	1.5	1.4	0.0
Chemical engineering	0	9,698	9,698	0.0	0.0	1.5	1.5	0.0

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Civil engineering	84	20,110	20,194	0.4	0.4	3.2	3.1	-0.1
Electrical engineering	709	45,562	46,271	1.6	3.4	7.2	7.1	-0.1
Engineering science and engineering physics	10	2,142	2,152	0.5	0.0	0.3	0.3	0.0
Industrial and manufacturing engineering	6	14,363	14,369	0.0	0.0	2.3	2.2	-0.1
Mechanical engineering	100	24,087	24,187	0.4	0.5	3.8	3.7	-0.1
Metallurgical and materials engineering	52	4,890	4,942	1.1	0.3	0.8	0.8	0.0
Materials sciences <sup>e</sup>	0	2,254	2,254	0.0	0.0	0.4	0.3	0.0
Mining engineering	0	357	357	0.0	0.0	0.1	0.1	0.0
Nuclear engineering	0	1,459	1,459	0.0	0.0	0.2	0.2	0.0
Petroleum engineering	0	1,609	1,609	0.0	0.0	0.3	0.2	0.0
Engineering nec	50	8,321	8,371	0.6	0.2	1.3	1.3	0.0
Health	2,691	62,710	65,401	4.3	13.0	9.9	10.0	0.1
Clinical medicine	1,759	26,362	28,121	6.7	8.5	4.2	4.3	0.1
Anesthesiology	0	7	7	0.0	0.0	0.0	0.0	0.0
Cardiology	0	32	32	0.0	0.0	0.0	0.0	0.0
Oncology and cancer research	0	103	103	0.0	0.0	0.0	0.0	0.0
Endocrinology	0	42	42	0.0	0.0	0.0	0.0	0.0
Hematology	0	1	1	0.0	0.0	0.0	0.0	0.0
Obstetrics and gynecology	0	68	68	0.0	0.0	0.0	0.0	0.0
Otorhinolaryngology	0	1	1	0.0	0.0	0.0	0.0	0.0
Preventive medicine and community health	1,668	23,909	25,577	7.0	8.0	3.8	3.9	0.1
Pulmonary disease	0	11	11	0.0	0.0	0.0	0.0	0.0
Radiology	32	201	233	15.9	0.2	0.0	0.0	0.0
Surgery	0	8	8	0.0	0.0	0.0	0.0	0.0
Clinical medicine nec	59	1,979	2,038	3.0	0.3	0.3	0.3	0.0
Other health	932	36,348	37,280	2.6	26.4	97.7	91.5	-6.2
Communication disorders sciences	371	14,113	14,484	2.6	1.8	2.2	2.2	0.0
Dental sciences	0	1,914	1,914	0.0	0.0	0.3	0.3	0.0
Nursing	105	4,969	5,074	2.1	0.5	0.8	0.8	0.0
Pharmaceutical sciences	100	4,137	4,237	2.4	0.5	0.7	0.6	0.0
Veterinary sciences	0	1,919	1,919	0.0	0.0	0.3	0.3	0.0
Other health nec	356	9,296	9,652	3.8	1.7	1.5	1.5	0.0

- = no value possible.

nec = not elsewhere classified.

<sup>a</sup> Percentage point (PP) change is the percent distribution of all institutions minus the percent distribution of core institutions. The PP change (rather than the percent change) describes the impact of adding the new frame institutions on the current distribution.

<sup>b</sup> Ethnicity and race data are available only for U.S. citizens and permanent residents.

<sup>c</sup> Financial support data are available only for full-time students.

<sup>d</sup> Excludes primarily self-supported graduate students.

<sup>e</sup> Data collection field only; included within detailed field above in the published data.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2013.