

TABLE 4-13a

Physical sciences master's and doctoral student demographics, enrollment status, and funding: 2020

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	329	46.2	308	43.3	227	31.9
Schools	335	41.6	314	39.0	229	28.4
Units	783	3.7	572	2.7	545	2.6
All graduate students	42,616	100.0	6,275	100.0	36,341	100.0
Male	27,604	64.8	3,794	60.5	23,810	65.5
Female	15,012	35.2	2,481	39.5	12,531	34.5
U.S. citizens and permanent residents ^a	26,747	62.8	4,920	78.4	21,827	60.1
Hispanic or Latino	3,029	7.1	757	12.1	2,272	6.3
Not Hispanic or Latino						
American Indian or Alaska Native	79	0.2	24	0.4	55	0.2
Asian	2,496	5.9	455	7.3	2,041	5.6
Black or African American	1,096	2.6	338	5.4	758	2.1
Native Hawaiian or Other Pacific Islander	17	*	3	*	14	*
White	17,935	42.1	2,978	47.5	14,957	41.2
More than one race	946	2.2	177	2.8	769	2.1
Unknown ethnicity and race	1,149	2.7	188	3.0	961	2.6
Temporary visa holders	15,869	37.2	1,355	21.6	14,514	39.9
Part time	4,978	11.7	2,589	41.3	2,389	6.6
Full time	37,638	88.3	3,686	58.7	33,952	93.4
First time	7,012	16.5	1,430	22.8	5,582	15.4
Primary source of support for full-time students ^b						
Federal	10,792	25.3	332	5.3	10,460	28.8
DOD	811	1.9	55	0.9	756	2.1
DOE	2,185	5.1	29	0.5	2,156	5.9
HHS	2,040	4.8	25	0.4	2,015	5.5
NIH	1,817	4.3	22	0.4	1,795	4.9
Other HHS	223	0.5	3	*	220	0.6
NASA	624	1.5	27	0.4	597	1.6
NSF	4,317	10.1	98	1.6	4,219	11.6
USDA	33	0.1	5	0.1	28	0.1
Other	782	1.8	93	1.5	689	1.9
Nonfederal	23,765	55.8	1,748	27.9	22,017	60.6
Institutional	21,942	51.5	1,628	25.9	20,314	55.9
Domestic	1,535	3.6	80	1.3	1,455	4.0
Foreign	288	0.7	40	0.6	248	0.7
Self-support	3,081	7.2	1,606	25.6	1,475	4.1
Primary mechanism of support for full-time students ^b						
Fellowships	4,194	9.8	70	1.1	4,124	11.3
Research assistantships	14,556	34.2	528	8.4	14,028	38.6
Teaching assistantships	13,422	31.5	1,077	17.2	12,345	34.0
Traineeships	657	1.5	61	1.0	596	1.6
Other types of support	4,809	11.3	1,950	31.1	2,859	7.9
Self-support	3,081	7.2	1,606	25.6	1,475	4.1
Other	1,728	4.1	344	5.5	1,384	3.8

* = value < 0.05%.

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = Department of Agriculture.

^a Ethnicity and race data are available only for U.S. citizens and permanent residents.

^b Funding data are available only for full-time students.

Note(s):

Percentages may not add to total because of rounding. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering fields and codes, see technical table A-17.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2020.