

TABLE 4-24a

Other engineering 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	189	26.5	169	23.7	124	17.4
Schools	194	24.1	174	21.6	124	15.4
Units	457	2.2	366	1.7	233	1.1
All graduate students	18,261	100.0	10,881	100.0	7,380	100.0
Male	13,272	72.7	7,910	72.7	5,362	72.7
Female	4,989	27.3	2,971	27.3	2,018	27.3
U.S. citizens and permanent residents ^a	11,443	62.7	7,896	72.6	3,547	48.1
Hispanic or Latino	980	5.4	697	6.4	283	3.8
Not Hispanic or Latino						
American Indian or Alaska Native	40	0.2	30	0.3	10	0.1
Asian	1,228	6.7	875	8.0	353	4.8
Black or African American	880	4.8	627	5.8	253	3.4
Native Hawaiian or Other Pacific Islander	18	0.1	14	0.1	4	0.1
White	7,412	40.6	5,067	46.6	2,345	31.8
More than one race	414	2.3	271	2.5	143	1.9
Unknown ethnicity and race	471	2.6	315	2.9	156	2.1
Temporary visa holders	6,818	37.3	2,985	27.4	3,833	51.9
Part time	7,560	41.4	5,977	54.9	1,583	21.4
Full time	10,701	58.6	4,904	45.1	5,797	78.6
First time	2,692	14.7	1,780	16.4	912	12.4
Primary source of support for full-time students ^b						
Federal	2,227	12.2	376	3.5	1,851	25.1
DOD	315	1.7	97	0.9	218	3.0
DOE	430	2.4	54	0.5	376	5.1
HHS	259	1.4	15	0.1	244	3.3
NIH	177	1.0	10	0.1	167	2.3
Other HHS	82	0.4	5	*	77	1.0
NASA	47	0.3	11	0.1	36	0.5
NSF	642	3.5	60	0.6	582	7.9
USDA	130	0.7	48	0.4	82	1.1
Other	404	2.2	91	0.8	313	4.2
Nonfederal	4,781	26.2	1,358	12.5	3,423	46.4
Institutional	3,942	21.6	1,102	10.1	2,840	38.5
Domestic	730	4.0	231	2.1	499	6.8
Foreign	109	0.6	25	0.2	84	1.1
Self-support	3,693	20.2	3,170	29.1	523	7.1
Primary mechanism of support for full-time students ^b						
Fellowships	751	4.1	161	1.5	590	8.0
Research assistantships	4,025	22.0	650	6.0	3,375	45.7
Teaching assistantships	1,039	5.7	306	2.8	733	9.9
Traineeships	86	0.5	23	0.2	63	0.9
Other types of support	4,800	26.3	3,764	34.6	1,036	14.0
Self-support	3,693	20.2	3,170	29.1	523	7.1
Other	1,107	6.1	594	5.5	513	7.0

* = 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.