

TABLE 4-24a

Other engineering master's and doctoral student demographics, enrollment status, and funding: 2022

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	198	28.7	176	25.5	129	18.7
Schools	204	26.3	182	23.5	130	16.8
Units	478	2.1	376	1.7	242	1.1
All graduate students	21,481	100.0	13,479	100.0	8,002	100.0
Male	15,295	71.2	9,595	71.2	5,700	71.2
Female	6,186	28.8	3,884	28.8	2,302	28.8
U.S. citizens and permanent residents ^a	11,534	53.7	7,670	56.9	3,864	48.3
Hispanic or Latino	1,122	5.2	792	5.9	330	4.1
Not Hispanic or Latino						
American Indian or Alaska Native	37	0.2	24	0.2	13	0.2
Asian	1,377	6.4	935	6.9	442	5.5
Black or African American	886	4.1	615	4.6	271	3.4
Native Hawaiian or Other Pacific Islander	16	0.1	13	0.1	3	*
White	7,069	32.9	4,650	34.5	2,419	30.2
More than one race	435	2.0	257	1.9	178	2.2
Unknown ethnicity and race	592	2.8	384	2.8	208	2.6
Temporary visa holders	9,947	46.3	5,809	43.1	4,138	51.7
Part time	7,398	34.4	5,872	43.6	1,526	19.1
Full time	14,083	65.6	7,607	56.4	6,476	80.9
First time	4,810	22.4	3,583	26.6	1,227	15.3
Primary source of support for full-time students ^b						
Federal	2,313	10.8	398	3.0	1,915	23.9
DOD	363	1.7	94	0.7	269	3.4
DOE	540	2.5	73	0.5	467	5.8
HHS	327	1.5	21	0.2	306	3.8
NIH	159	0.7	5	*	154	1.9
Other HHS	168	0.8	16	0.1	152	1.9
NASA	50	0.2	10	0.1	40	0.5
NSF	570	2.7	48	0.4	522	6.5
USDA	130	0.6	42	0.3	88	1.1
Other	333	1.6	110	0.8	223	2.8
Nonfederal	5,888	27.4	1,776	13.2	4,112	51.4
Institutional	4,954	23.1	1,540	11.4	3,414	42.7
Domestic	814	3.8	216	1.6	598	7.5
Foreign	120	0.6	20	0.1	100	1.2
Self-support	5,882	27.4	5,433	40.3	449	5.6
Primary mechanism of support for full-time students ^b						
Fellowships	1,237	5.8	334	2.5	903	11.3
Research assistantships	4,494	20.9	632	4.7	3,862	48.3
Teaching assistantships	1,074	5.0	376	2.8	698	8.7
Traineeships	81	0.4	43	0.3	38	0.5
Other types of support	7,197	33.5	6,222	46.2	975	12.2
Self-support	5,882	27.4	5,433	40.3	449	5.6
Other	1,315	6.1	789	5.9	526	6.6

* = 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, 2022.