

TABLE 4-24a

Other engineering master's and doctoral student demographics, enrollment status, and funding: 2023

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	203	29.5	182	26.5	128	18.6
Schools	209	27.1	188	24.4	129	16.8
Units	476	2.1	374	1.6	242	1.1
All graduate students	22,793	100.0	14,480	100.0	8,313	100.0
Male	16,197	71.1	10,279	71.0	5,918	71.2
Female	6,596	28.9	4,201	29.0	2,395	28.8
U.S. citizens and permanent residents ^a	11,293	49.5	7,331	50.6	3,962	47.7
Hispanic or Latino	1,128	4.9	781	5.4	347	4.2
Not Hispanic or Latino						
American Indian or Alaska Native	34	0.1	19	0.1	15	0.2
Asian	1,327	5.8	868	6.0	459	5.5
Black or African American	864	3.8	563	3.9	301	3.6
Native Hawaiian or Other Pacific Islander	8	*	4	*	4	*
White	6,840	30.0	4,391	30.3	2,449	29.5
More than one race	456	2.0	280	1.9	176	2.1
Unknown ethnicity and race	636	2.8	425	2.9	211	2.5
Temporary visa holders	11,500	50.5	7,149	49.4	4,351	52.3
Part time	7,119	31.2	5,628	38.9	1,491	17.9
Full time	15,674	68.8	8,852	61.1	6,822	82.1
First time	5,344	23.4	4,135	28.6	1,209	14.5
Primary source of support for full-time students ^b						
Federal	2,475	10.9	434	3.0	2,041	24.6
DOD	394	1.7	98	0.7	296	3.6
DOE	562	2.5	72	0.5	490	5.9
HHS	304	1.3	29	0.2	275	3.3
NIH	185	0.8	12	0.1	173	2.1
Other HHS	119	0.5	17	0.1	102	1.2
NASA	58	0.3	6	*	52	0.6
NSF	596	2.6	49	0.3	547	6.6
USDA	181	0.8	51	0.4	130	1.6
Other	380	1.7	129	0.9	251	3.0
Nonfederal	6,357	27.9	2,081	14.4	4,276	51.4
Institutional	5,207	22.8	1,553	10.7	3,654	44.0
Domestic	1,031	4.5	510	3.5	521	6.3
Foreign	119	0.5	18	0.1	101	1.2

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Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Self-support	6,842	30.0	6,337	43.8	505	6.1
Primary mechanism of support for full-time students ^b						
Fellowships	1,217	5.3	363	2.5	854	10.3
Research assistantships	4,865	21.3	738	5.1	4,127	49.6
Teaching assistantships	1,155	5.1	375	2.6	780	9.4
Traineeships	124	0.5	84	0.6	40	0.5
Other types of support	8,313	36.5	7,292	50.4	1,021	12.3
Self-support	6,842	30.0	6,337	43.8	505	6.1
Other	1,471	6.5	955	6.6	516	6.2

* = 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, 2023.