

TABLE 4-19a

Civil, environmental, transportation and related engineering fields 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	207	30.0	203	29.4	140	20.3
Schools	209	27.0	205	26.5	141	18.2
Units	388	1.7	357	1.6	209	0.9
All graduate students	20,375	100.0	12,621	100.0	7,754	100.0
Male	13,362	65.6	8,297	65.7	5,065	65.3
Female	7,013	34.4	4,324	34.3	2,689	34.7
U.S. citizens and permanent residents ^a	9,687	47.5	7,209	57.1	2,478	32.0
Hispanic or Latino	1,471	7.2	1,169	9.3	302	3.9
Not Hispanic or Latino						
American Indian or Alaska Native	54	0.3	38	0.3	16	0.2
Asian	1,088	5.3	825	6.5	263	3.4
Black or African American	562	2.8	398	3.2	164	2.1
Native Hawaiian or Other Pacific Islander	10	*	4	*	6	0.1
White	5,820	28.6	4,302	34.1	1,518	19.6
More than one race	345	1.7	244	1.9	101	1.3
Unknown ethnicity and race	337	1.7	229	1.8	108	1.4
Temporary visa holders	10,688	52.5	5,412	42.9	5,276	68.0
Part time	5,455	26.8	4,406	34.9	1,049	13.5
Full time	14,920	73.2	8,215	65.1	6,705	86.5
First time	4,975	24.4	3,867	30.6	1,108	14.3
Primary source of support for full-time students ^b						
Federal	2,239	11.0	541	4.3	1,698	21.9
DOD	247	1.2	75	0.6	172	2.2
DOE	213	1.0	36	0.3	177	2.3
HHS	154	0.8	38	0.3	116	1.5
NIH	48	0.2	9	0.1	39	0.5
Other HHS	106	0.5	29	0.2	77	1.0
NASA	97	0.5	16	0.1	81	1.0
NSF	765	3.8	119	0.9	646	8.3
USDA	62	0.3	21	0.2	41	0.5
Other	701	3.4	236	1.9	465	6.0
Nonfederal	7,685	37.7	3,224	25.5	4,461	57.5
Institutional	6,737	33.1	2,942	23.3	3,795	48.9
Domestic	790	3.9	229	1.8	561	7.2
Foreign	158	0.8	53	0.4	105	1.4
Self-support	4,996	24.5	4,450	35.3	546	7.0
Primary mechanism of support for full-time students ^b						
Fellowships	1,235	6.1	417	3.3	818	10.5
Research assistantships	5,038	24.7	1,309	10.4	3,729	48.1
Teaching assistantships	1,854	9.1	804	6.4	1,050	13.5
Traineeships	83	0.4	27	0.2	56	0.7
Other types of support	6,710	32.9	5,658	44.8	1,052	13.6
Self-support	4,996	24.5	4,450	35.3	546	7.0
Other	1,714	8.4	1,208	9.6	506	6.5

* = 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.