

TABLE 4-8a

Computer and information science master's and doctoral student demographics, enrollment status, and funding: 2019

(Number and percent)

Characteristic	All graduate students		Master's students		Doctoral students	
	Number	Percent	Number	Percent	Number	Percent
Institutions	424	59.4	420	58.8	176	24.6
Schools	435	53.8	430	53.2	180	22.2
Units	905	4.5	833	4.1	266	1.3
All graduate students	101,284	100.0	84,092	100.0	17,192	100.0
Male	69,813	68.9	57,138	67.9	12,675	73.7
Female	31,471	31.1	26,954	32.1	4,517	26.3
U.S. citizens and permanent residents ^a	47,109	46.5	40,769	48.5	6,340	36.9
Hispanic or Latino	4,203	4.1	3,777	4.5	426	2.5
Not Hispanic or Latino						
American Indian or Alaska Native	119	0.1	108	0.1	11	0.1
Asian	9,343	9.2	8,274	9.8	1,069	6.2
Black or African American	5,247	5.2	4,803	5.7	444	2.6
Native Hawaiian or Other Pacific Islander	69	0.1	58	0.1	11	0.1
White	23,620	23.3	19,908	23.7	3,712	21.6
More than one race	1,587	1.6	1,347	1.6	240	1.4
Unknown ethnicity and race	2,921	2.9	2,494	3.0	427	2.5
Temporary visa holders	54,175	53.5	43,323	51.5	10,852	63.1
Part time	39,164	38.7	36,557	43.5	2,607	15.2
Full time	62,120	61.3	47,535	56.5	14,585	84.8
First time	23,781	23.5	20,788	24.7	2,993	17.4
Primary source of support for full-time students ^b						
Federal	5,124	5.1	1,061	1.3	4,063	23.6
DOD	1,097	1.1	316	0.4	781	4.5
DOE	111	0.1	12	*	99	0.6
HHS	385	0.4	89	0.1	296	1.7
NIH	308	0.3	73	0.1	235	1.4
Other HHS	77	0.1	16	*	61	0.4
NASA	35	*	9	*	26	0.2
NSF	2,776	2.7	366	0.4	2,410	14.0
USDA	32	*	11	*	21	0.1
Other	688	0.7	258	0.3	430	2.5
Nonfederal	17,965	17.7	8,989	10.7	8,976	52.2
Institutional	16,076	15.9	8,299	9.9	7,777	45.2
Domestic	1,420	1.4	459	0.5	961	5.6
Foreign	469	0.5	231	0.3	238	1.4
Self-support	39,031	38.5	37,485	44.6	1,546	9.0
Primary mechanism of support for full-time students ^b						
Fellowships	2,500	2.5	791	0.9	1,709	9.9
Research assistantships	8,192	8.1	1,764	2.1	6,428	37.4
Teaching assistantships	7,100	7.0	3,250	3.9	3,850	22.4
Traineeships	401	0.4	183	0.2	218	1.3
Other types of support	43,927	43.4	41,547	49.4	2,380	13.8
Self-support	39,031	38.5	37,485	44.6	1,546	9.0
Other	4,896	4.8	4,062	4.8	834	4.9

* = 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.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2019.