

Appendix 1. DATA DEFINITIONS

*Graduate Students and Degree Level**

Graduate Student

Doctoral Student

Master's Student

Other or Unknown Degree Level

*Academic Year (Cohort) | Definition**

2012-2013

2013-2014

2014-2015

2015-2016

2016-2017

2017-2018

2018-2019

2019-2020

2020-2021

2021-2022

*Definition for Citizenship/Race/Ethnicity***

"A" Nonresident Alien

"AN" Asian

"B" Black, Non-Hispanic

"IA" American Indian/Alaskan Native

"H" Hispanic

"HP" Native Hawaiian or Other Pacific Islander

"NP" Asian or Pacific Islander

"W" White, Non-Hispanic

"TM" Two or More Race/Ethnicity Categories

"U" Race/Ethnicity Unknown

*Definition for Gender****

"F"

"M"

Blank

GSS Eligible Institutions

GSS Institutions

Non-GSS Institutions

Classification of Instructional Programs (CIP)

GSS Field Definitions

Broad Field of Study
Field of Study

Notes:

Red text highlights revisions from prior NSC data req

* This analysis includes all graduate students who we enrolled in a doctoral program in chemistry on Janua

** The race/ethnicity values above are based on the c

*** Imputation of Values for Gender - The Clearingho research studies using older cohorts. To meet this ne being associated with either gender. To increase the

****In the tables "*" indicates cells with student count: groups.

Anyone enrolled in a graduate program (Primary Program Credential Level value in 04 - 99)
All graduate students enrolled in a doctoral program (Program # Credential Level value equal 06)
All graduate students enrolled in a master's program (Program # Credential Level value equal 05)
All other graduate students (Primary Program Credential Level value in 04, 07, 08, or 99)

Year 1 of this study: 8/15/2012 - 8/14/2013
Year 2 of this study: 8/15/2013 - 8/14/2014
Year 3 of this study: 8/15/2014 - 8/14/2015
Year 4 of this study: 8/15/2015 - 8/14/2016
Year 5 of this study: 8/15/2016 - 8/14/2017
Year 6 of this study: 8/15/2017 - 8/14/2018
Year 7 of this study: 8/15/2018 - 8/14/2019
Year 8 of this study: 8/15/2019 - 8/14/2020
Year 9 of this study: 8/15/2020 - 8/14/2021
Year 10 of this study: 8/15/2021 - 8/14/2022

A person who is not a U.S. citizen or national, is in this country on a visa or temporary basis, and does not have the right to permanent residence.
A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian Subcontinent, including Alaska Natives, Hawaiian Natives, and Vietnamese.

A person having origins in any of the black racial groups of Africa (except those of Hispanic origin).

A person having origins in any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community attachment.

A person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

A person having origins in any of the original peoples of the Far East, Southeast Asia, Indian Subcontinent, or the Pacific Islands.

A person having origins in any of the original peoples of Europe, North Africa or the Middle East (except those of Hispanic origin).

This category is for students who claim to belong to two or more of the race/ethnicity categories.

The category used to report persons whose race and ethnicity are not known.

Female

Male

Data Not Available

[See the GSS Eligible Institutions worksheet](#)

are listed by name and IPEDS UNITID in the **GSS Eligible Institutions worksheet**

All other institutions

<https://nces.ed.gov/ipeds/cipcode/resources.aspx?y=56>

[See the CIP GSS Crosswalk worksheet](#)

see Broad Field Code and Broad Field Title columns in the CIP GSS Crosswalk
see GSS Code and GSS Title columns in the CIP GSS Crosswalk

uest

*are enrolled in the 2021-2022 academic year (AY)| and who first enrolled in their graduate program on or after 8/15/2019
ry 1, 2020 would be classified as a doctoral student in the AY 2019-20 cohort.*

data reported to the Clearinghouse and generally follow the 2010-2011 IPEDS race/ethnicity definitions.

use's coverage of student gender has increased dramatically for enrollments occurring in recent years. However, imputed, the Research Center developed an imputation process based on first names. Previously submitted name-gender data, the accuracy of the imputation process, the Research Center also draws on name-gender data from the Social Security Administration.

s fewer than or equal to 5. In each of the tables, field codes with student counts <10 may be excluded from the field level.



Code sets for variables considered for use in determining graduate student status	
Primary Program Credential Level:	Class Credential Level:
01 = Undergraduate Certificate or Diploma	A = Associate's
02 = Associate Degree	C = Certificate (Undergraduate)
03 = Bachelor's Degree	F = Freshman (Undergraduate)
04 = Post Baccalaureate Certificate	S = Sophomore (Undergraduate)
05 = Master's Degree	J = Junior (Undergraduate)
06 = Doctoral Degree	R = Senior (Undergraduate)
07 = First Professional Degree	N = Unspecified (Undergraduate)
08 = Graduate / Professional Certificate	B = Bachelor's (Undergraduate)
99 = Non-Credential Program	T = Post Baccalaureate Certificate
	M = Master's (Graduate)
	D = Doctoral (Graduate)
	P = Postdoctorate (Graduate)
	L = First Professional (Graduate)
	G = Unspecified (Graduate/Professional)

nt to remain indefinitely.
ding, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine

h tribal affiliation or community recognition.
f race.

ific Islands.
anic origin)].

2. The earliest AY of enrollment defines the student's cohort. For example, a student who first

tation of gender for the majority of enrollment records is still necessary in order to use the data for
pairs throughout the Clearinghouse database are used to determine the probability of any first name
Administration (SSA) and the U.S. Census Bureau.

vel tables for de-identification purposes to prevent identification of students broken into smaller

Table 2. Comparison of primary program credential level and level of degree awarded data for fall 2022 enrollment records with level of degree data

(Number)

Primary Program Credential Level	Level of Degree Awarded												Total
	AD	BD	CR	DP	DR	HR	MD	PC	PD	RN	UC	UN	
.	1,250	8,375	20	113	492	0	2,515	176	3	14	889	19	13,866
01	1,242	4,067	23	15	17	0	505	27	23	14	3,722	24	9,679
02	18,074	10,310	72	29	37	0	971	58	77	64	7,989	25	37,706
03	34,241	134,607	94	46	34	2	1,121	113	163	142	9,673	268	180,504
04	29	1,227	4	52	20	0	542	386	0	3	176	11	2,450
05	4,214	124,789	275	1,123	1,124	6	151,907	2,447	20	247	3,553	326	290,031
06	573	40,763	73	1,121	13,850	2	56,743	985	6	127	1,499	180	115,922
07	529	29,777	69	8,106	906	0	2,778	208	5	74	701	199	43,352
08	110	3,441	106	124	139	0	2,588	1,126	2	18	550	12	8,216
99	562	5,034	393	38	47	0	1,491	188	1	10	495	17	8,276
Total	60,824	362,390	1,129	10,767	16,666	10	221,161	5,714	300	713	29,247	1,081	710,002
	0.41112						0.70105						

Primary Program Credential Level:

- 01 = Undergraduate Certificate or Diploma
- 02 = Associate Degree
- 03 = Bachelor's Degree
- 04 = Post Baccalaureate Certificate
- 05 = Master's Degree
- 06 = Doctoral Degree
- 07 = First Professional Degree
- 08 = Graduate / Professional Certificate
- 99 = Non-Credential Program (Preparatory)
- . = Missing

Level of Degree Awarded:

- AD = Associate's Degree
- BD = Bachelor's Degree
- CR = Credential
- DP = Doctoral-Professional
- DR = Doctoral-Research
- HR = Honors
- MD = Master's Degree
- NC = Not Classified
- PC = Post-Bachelor's Certificate
- PD = Postsecondary Diploma
- RN = Review Needed
- UC = Certificate
- UN = Undetermined

Source: NSC custom request

Table 3. Examples of GSS-ineligible degrees considered research doctorates by NSC

CREDENTIAL_TITLE_REPORTED_TO_NSC	CREDENTIAL_LEVEL_CODE	CREDENTIAL_LEVEL_DESC
<i>Examples of professional and clinical doctoral level degrees excluded from the GSS</i>		
DOCTOR OF AUDIOLOGY	DR	Doctoral-Research
DOCTOR OF DENTISTRY SUGERY	DR	Doctoral-Research
DOCTOR OF EDUCATION	DR	Doctoral-Research
DOCT PHYSICAL THERAPY	DR	Doctoral-Research
DOCTOR OF NURING PRACTICE	DR	Doctoral-Research
DOCTOR OF OCCUPATIONAL THERAPY	DR	Doctoral-Research
DOCTOR OF OPTOMOTRY	DR	Doctoral-Research
JURIS DOCTORATE	DR	Doctoral-Research
MD/ MEDICINE	DR	Doctoral-Research
PSY.D. IN CLINICAL PSYCHOLOGY	DR	Doctoral-Research
<i>Examples of degrees coded as research doctorates in the NSC data that are not research doctorates</i>		
AIR CONDITIONING,HEAT&REF DIPLOMA	DR	Doctoral-Research
CHILD CARE WORKER DIPLOMA	DR	Doctoral-Research
DECEMBER 17, 1971	DR	Doctoral-Research
DENTAL ASSISTING DIPLOMA	DR	Doctoral-Research
DIPLOMA (POLICE ACADEMY)	DR	Doctoral-Research
DIPLOMA AUTO BODY TECHNOLOGY	DR	Doctoral-Research
ELECTRICAL/ELECTRONICS TECHNOLOGY	DR	Doctoral-Research
MS IN CONSTRUCTION SCI ADM	DR	Doctoral-Research
POST DOCTORAL FELLOW-PDF	DR	Doctoral-Research
POSTHUMOUS HONORARY DOCTORATE	DR	Doctoral-Research
PRACTICAL NURSING DIPLOMA	DR	Doctoral-Research
PRE-ASSOCIATES DEGREE NURSING	DR	Doctoral-Research
PROFESSIONAL DOCTORATE	DR	Doctoral-Research
WELDING DIPLOMA	DR	Doctoral-Research

Source: https://nscresearchcenter.org/wp-content/uploads/CREDENTIALLookup_20240418.xlsx

Table 4. NSC coverage of GSS institutions, units, and counts

(Number)

Characteristic	Institutions	Departments / Units	Doctoral students	Master's students	Postdocs	NFRs
In both NSC & GSS	670	21,066	291,166	462,744	61,688	29,881
Not in NSC data	29	299	2,377	3,869	1,640	667
Total	699	21,365	293,543	466,613	63,328	30,548
Percent of total	95.9	98.6	99.2	99.2	97.4	97.8
Percent missing	4.1	1.4	0.8	0.8	2.6	2.2

Note: NSC does not collect data on postdocs or nonfaculty researchers (NFRs), so there is no coverage of these data by the NSC. This lack of coverage is shown by the greyed-out text.

Source(s): GSS 2021 & NSC custom request

Appendix 2: 2021 GSS institutions not in the NSC data

Institution Name	IPEDS UNITID
Air Force Institute of Technology	200697
American Museum of Natural History	458548
California University of Science and Medicine	496043
Cedars-Sinai Medical Center	999999
City of Hope, Irell and Manella Graduate School of Biologic	441238
Cold Spring Harbor Laboratory	436377
Elmezzi Graduate School of Molecular Medicine, The	486080
Inter American University of Puerto Rico, Fajardo	242680
Inter American University of Puerto Rico, Metro	242653
Inter American University of Puerto Rico, San German	242617
Keiser University, Fort Lauderdale	135081
Loma Linda University	117636
Naval Postgraduate School	119678
New England College of Optometry, The	167093
New Mexico Institute of Mining and Technology	187967
Oklahoma State University, Center for Health Sciences	207315
Pacific States University	120838
Rockefeller University, The	195049
San Juan Bautista School of Medicine	430670
Sanford-Burnham Medical Research Institute	481535
Scripps Research Institute, The	999999
Uniformed Services University of the Health Sciences	164137
United States Merchant Marine Academy	197027
Universidad Central del Caribe	243568
University of Massachusetts Medical School	166708
University of Puerto Rico, Medical Sciences Campus	243203
Van Andel Institute	999999
Wesley College	131098
Woods Hole Oceanographic Institution	166610

Source(s): GSS 2021 & NSC custom request

NSC notes	Grad only	Institution _state	TOC_code	2018 Carnegie code	Depts / units	Master's students
Not in crosswalk	Y	OH	1	16	18	544
Not in crosswalk	Y	NY	2	-2	3	15
No enrollment data	Y	CA	2	-2	1	60
Not in crosswalk	Y	CA	2	-2	2	46
No enrollment data	Y	CA	2	26	2	0
Not in crosswalk	Y	NY	2	-2	6	0
Not in crosswalk	Y	NY	2	26	1	0
No enrollment data	N	PR	2	20	1	19
Last enrollment data from Spring 2016 (c	N	PR	2	17	8	306
No enrollment data	N	PR	2	17	6	95
No enrollment data	N	FL	2	17	4	195
Last enrollment data from Spring 2010	N	CA	2	25	47	260
No enrollment data	Y	CA	1	18	27	1309
No enrollment data	Y	MA	2	26	1	19
No enrollment data	N	NM	1	20	18	202
No enrollment data	Y	OK	1	25	4	13
No enrollment data	N	CA	2	29	2	39
No enrollment data	Y	NY	2	16	8	16
No enrollment data	N	PR	2	25	1	38
Not in crosswalk	Y	CA	2	26	2	0
No enrollment data	Y	CA	2	-2	6	0
No enrollment data	Y	MD	1	-2	23	216
Last enrollment data from Fall 2002	N	NY	1	22	1	18
Last enrollment data from Spring 2009	N	PR	2	25	3	2
No enrollment data	Y	MA	1	25	43	9
No enrollment data	N	PR	1	25	41	445
Not in crosswalk	Y	MI	2	-2	14	1
No enrollment data	N	DE	2	22	1	2
Not in crosswalk	Y	MA	2	-2	5	0

Doctoral students	Postdocs	NFRs
130	0	0
18	34	0
0	0	0
43	115	0
96	187	106
54	145	43
12	0	0
0	0	0
0	0	0
8	0	0
189	0	0
237	20	0
64	10	0
0	1	0
112	3	0
95	2	0
0	0	0
268	211	184
0	0	0
31	67	74
308	379	144
145	36	0
0	0	0
20	2	0
341	249	0
163	13	10
43	60	49
0	0	0
0	106	57

Table 5. Fall 2021 graduate enrollment by cohort, degree level, and GSS institution eligibility status (Number)

Academic Year	New NSC data						
	All Graduate Students			Doctoral Students			Ma
	Total	GSS Institutions	Non-GSS Institutions	Total	GSS Institutions	Non-GSS Institutions	Total
2012-13	18*		*	*	*	*	*
2013-14	12,064	5,262	6,802	4,368	1,519	2,849	6,815
2014-15	117,382	70,654	46,728	39,811	26,925	12,886	66,384
2015-16	83,119	48,204	34,915	29,081	20,002	9,079	44,329
2016-17	122,613	74,646	47,967	50,834	36,470	14,364	55,309
2017-18	202,781	128,007	74,774	81,199	57,829	23,370	79,077
2018-19	361,471	223,910	137,561	114,616	79,107	35,509	158,058
2019-20	716,890	443,194	273,696	142,410	97,965	44,445	413,036
2020-21	1,313,336	810,048	503,288	155,341	104,299	51,042	881,643
2021-22	1,861,432	1,069,047	792,385	175,882	117,534	58,348	1,065,594
Total	4,791,106	2,872,972	1,918,116	793,542	541,650	251,892	2,770,245

Source(s): NSC custom requests

S

					Previous NSC data		
ster's Students		Other or Unknown Degree Level			Doctoral Students		
GSS Institutions	Non-GSS Institutions	Total	GSS Institutions	Non-GSS Institutions	Total	GSS Institutions	Non-GSS Institutions
*	*	*	*	*			
3,308	3,507	881	435	446			
38,952	27,432	11,187	4,777	6,410			
24,305	20,024	9,709	3,897	5,812	97,655	75,241	22,414
31,013	24,296	16,470	7,163	9,307	72,973	56,927	16,046
44,943	34,134	42,505	25,235	17,270	100,971	76,662	24,309
92,799	65,259	88,797	52,004	36,793	129,286	93,729	35,557
252,798	160,238	161,444	92,431	69,013	153,692	108,476	45,216
566,005	315,638	276,352	139,744	136,608			
691,102	374,492	619,956	260,411	359,545			
1,745,225	1,025,020	1,227,301	586,097	641,204	554,577	411,035	143,542

Table 6. AY 2021-22 graduate enrollment reported to NSC by GSS field and institutional eligibility, area

(Number)

Field	All Graduate Students			Doctoral Students	
	Total	GSS Institutions	Non-GSS Institutions	Total	GSS Institutions
All fields	4,954,883	2,940,402	2,014,481	807,033	547,748
GSS eligible fields	1,557,866	1,061,505	496,361	462,877	333,664
Science	907,860	638,346	269,514	282,358	205,548
Engineering	233,916	186,267	47,649	88,896	71,547
Health	416,090	236,892	179,198	91,623	56,569
GSS ineligible fields	3,396,001	1,877,995	1,518,006	343,922	213,964
Science and engineering related	256,440	182,501	73,939	10,925	7,563
Health related	601,583	361,746	239,837	86,131	54,168
Non-science, engineering, or health related	2,537,978	1,333,748	1,204,230	246,866	152,233
Unknown fields (No CIP data available)	1,016	902	114	234	120
% of enrollment in:					
GSS eligible fields	31.4	36.1	24.6	57.4	60.9
GSS ineligible fields	68.5	63.9	75.4	42.6	39.1
Unknown fields	0.0	0.0	0.0	0.0	0.0

Source: NSC custom request

of study, and degree level

Institutions	Master's Students			Other or Unknown Degree Level		
	Total	GSS Institutions	Non-GSS Institutions	Total	GSS Institutions	Non-GSS Institutions
259,285	2,862,644	1,791,750	1,070,894	1,285,206	600,904	684,302
129,213	973,519	658,792	314,727	121,470	69,049	52,421
76,810	568,954	400,861	168,093	56,548	31,937	24,611
17,349	137,294	110,006	27,288	7,726	4,714	3,012
35,054	267,271	147,925	119,346	57,196	32,398	24,798
129,958	1,889,054	1,132,887	756,167	1,163,025	531,144	631,881
3,362	211,829	152,888	58,941	33,686	22,050	11,636
31,963	245,797	123,689	122,108	269,655	183,889	85,766
94,633	1,431,428	856,310	575,118	859,684	325,205	534,479
114	71	71	*	711	711	*
49.8	34.0	36.8	29.4	9.5	11.5	7.7
50.1	66.0	63.2	70.6	90.5	88.4	92.3
0.0	0.0	0.0	0.0	0.1	0.1	0.0

Table 7. Counts and distributions of doctoral and masters students in GSS institutions across GSS-eligible

(Number and percent)

Broad field	Doctora			
	GSS 2021		NSC	
	Number	Percent	Number	Percent
All fields	293,543	100.0	333,664	100.0
Science	203,988	69.5	205,548	61.6
Agricultural and veterinary sciences	4,443	1.5	4,756	1.4
Biological and biomedical sciences	58,155	19.8	54,569	16.4
Computer and information sciences	19,531	6.7	19,718	5.9
Geosciences, atmospheric sciences, and ocean sciences	6,770	2.3	6,505	1.9
Mathematics and statistics	13,619	4.6	12,955	3.9
Multidisciplinary and interdisciplinary studies	3,774	1.3	3,518	1.1
Natural resources and conservation	3,910	1.3	4,066	1.2
Physical sciences	37,732	12.9	35,445	10.6
Psychology	21,447	7.3	30,934	9.3
Social sciences	34,607	11.8	33,082	9.9
Engineering	72,924	24.8	71,547	21.4
Aerospace, aeronautical, and astronautical engineering	2,773	0.9	2,714	0.8
Biological, biomedical, and biosystems engineering	8,867	3.0	8,091	2.4
Chemical, petroleum, and chemical-related engineering	7,713	2.6	7,317	2.2
Civil, environmental, transportation and related engineering fields	7,878	2.7	7,646	2.3
Electrical, electronics, communications and computer engineering	17,570	6.0	17,717	5.3
Industrial, manufacturing, systems engineering and operations research	3,921	1.3	3,640	1.1
Mechanical engineering	11,540	3.9	11,276	3.4
Metallurgical, mining, materials and related engineering fields	4,904	1.7	4,669	1.4
Other engineering	7,758	2.6	8,477	2.5
Health	16,631	5.7	56,569	17.0
Clinical medicine	5,612	1.9	6,370	1.9
Other health	11,019	3.8	50,199	15.0

Note(s):

Percentages may not add to total due to rounding. For more information on the mapping of GSS fields and codes, see GSS tech

Source(s):

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

science, engineering, and health fields: 2021

Difference			Master's								
Difference			GSS 2021		NSC		Difference				
Number	Percent	Percentage Point	Number	Percent	Number	Percent	Number	Percent	Percentage Point		
40,121	13.7	0.0	466,613	100.0	658,792	100.0	192,179	41.2	0.0		
1,560	0.8	-7.9	305,796	65.5	400,861	60.8	95,065	31.1	-4.7		
313	7.0	-0.1	6,801	1.5	8,230	1.2	1,429	21.0	-0.3		
-3,586	-6.2	-3.4	42,728	9.2	51,692	7.8	8,964	21.0	-1.4		
187	1.0	-0.8	102,199	21.9	138,342	21.0	36,143	35.4	-0.9		
-265	-3.9	-0.4	5,520	1.2	6,068	0.9	548	9.9	-0.3		
-664	-4.9	-0.7	20,639	4.4	25,308	3.8	4,669	22.6	-0.6		
-256	-6.8	-0.2	11,994	2.6	18,185	2.8	6,191	51.6	0.2		
156	4.0	-0.1	10,012	2.1	13,029	2.0	3,017	30.1	-0.1		
-2,287	-6.1	-2.3	6,409	1.4	8,982	1.4	2,573	40.1	0.0		
9,487	44.2	2.0	51,878	11.1	72,527	11.0	20,649	39.8	-0.1		
-1,525	-4.4	-1.9	47,616	10.2	58,498	8.9	10,882	22.9	-1.3		
-1,377	-1.9	-3.4	95,126	20.4	110,006	16.7	14,880	15.6	-3.7		
-59	-2.1	-0.1	5,065	1.1	6,014	0.9	949	18.7	-0.2		
-776	-8.8	-0.6	5,192	1.1	6,322	1.0	1,130	21.8	-0.1		
-396	-5.1	-0.4	2,983	0.6	3,886	0.6	903	30.3	0.0		
-232	-2.9	-0.4	11,730	2.5	13,524	2.1	1,794	15.3	-0.4		
147	0.8	-0.7	27,695	5.9	31,004	4.7	3,309	11.9	-1.2		
-281	-7.2	-0.2	11,949	2.6	13,814	2.1	1,865	15.6	-0.5		
-264	-2.3	-0.5	15,718	3.4	18,096	2.7	2,378	15.1	-0.7		
-235	-4.8	-0.3	2,518	0.5	3,124	0.5	606	24.1	0.0		
719	9.3	-0.1	12,276	2.6	14,222	2.2	1,946	15.9	-0.4		
39,938	240.1	11.3	65,691	14.1	147,925	22.5	82,234	125.2	8.4		
758	13.5	0.0	34,021	7.3	44,383	6.7	10,362	30.5	-0.6		
39,180	355.6	11.2	31,670	6.8	103,542	15.7	71,872	226.9	8.9		

nical table A-17.

ering, 2021; NSC custom request.

Table 8. Distributions of doctoral students across key demographics by in the original NSC data, the new NSC data, and the 2021 GSS data

(Number and percent)

Characteristics	Original NSC data (5 cohorts)				New NSC data (10 cohorts)				GSS 2021		Difference	
	All institutions		GSS institutions		GSS institutions		GSS institutions and eligible fields					
	N	% of total	N	% of total	N	% of total	N	% of total	N	% of total	N	% of total
All doctorates	554,577	100.0	411,035	100.0	547,748	100.0	333,664	100.0	293,543	100.0	-40,121	0.0
Race/Ethnicity/Citizenship	549,444	99.1	406,053	98.8	547,748	100.0	333,578	100.0	293,543	100.0	-40,035	0.0
A = Nonresident Alien	33,818	6.1	32,259	7.8	41,904	7.7	33,543	10.1	115,601	39.4	82,058	29.3
H = Hispanic	32,682	5.9	23,514	5.7	37,703	6.9	20,301	6.1	20,493	7.0	192	0.9
IA = American Indian/Alaskan Native	2,128	0.4	1,389	0.3	2,291	0.4	1,030	0.3	749	0.3	-281	-0.1
Asian, Native Hawaiian, or Other Pacific Islander	40,525	7.3	25,257	6.1	47,468	8.7	31,332	9.4	19,791	6.7	-11,541	-2.6
AN = Asian	31,595	5.7	24,968	6.1	39,570	7.2	25,682	7.7	19,596	6.7	-6,086	-1.0
NP = Asian or Pacific Islander	8,389	1.5	n/a	n/a	7,100	1.3	5,376	1.6	n/a	n/a	n/a	n/a
HP = Native Hawaiian or Other Pacific Islander	541	0.1	289	0.1	798	0.1	274	0.1	195	0.1	-79	0.0
B = Black, Non-Hispanic	43,155	7.8	23,151	5.6	40,435	7.4	15,427	4.6	12,173	4.1	-3,254	-0.5
TM = Two or More Race/Ethnicity Categories	14,284	2.6	11,198	2.7	17,971	3.3	11,388	3.4	7,170	2.4	-4,218	-1.0
W = White, Non-Hispanic	203,362	36.7	153,733	37.4	212,394	38.8	124,131	37.2	109,590	37.3	-14,541	0.1
U = Race/Ethnicity Unknown	60,405	10.9	135,552	33.0	147,582	26.9	96,426	28.9	7,976	2.7	-88,450	-26.2
"" = Missing	119,085	21.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
* suppressed	5,133	0.9	4,982	1.2	0	0.0	86	0.0	0	0.0	-86	0.0
Sex	541,534	97.6	398,399	96.9	547,748	100.0	333,664	100.0	293,543	100.0	-40,121	0.0
Female	286,065	51.6	194,579	47.3	281,061	51.3	152,019	45.6	133,122	45.4	-18,897	-0.2
Male	219,965	39.7	171,976	41.8	223,114	40.7	147,199	44.1	160,421	54.6	13,222	10.5
Unknown	35,504	6.4	31,844	7.7	43,573	8.0	34,446	10.3	0.0	0.0	-34,446	-10.3
* suppressed	13,043	2.4	12,636	3.1	0	0.0	0	0.0	0	0.0	0	0.0

Note: The NSC data include the race/ethnicity category NP which corresponds to the old Asian or Pacific Islander category. Because this was not documented in the original data request, these counts were combined with missing values and "U"s to form a single race/ethnicity unknown category. Because this category was split into AN-Asian and HP-Native Hawaiian and Other Pacific Islander prior to 2010 and is no longer collected in the GSS, the Asian, Native Hawaiian, or Other Pacific Islander row was added in the above table to allow for more direct comparison.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2021; NSC custom request.

Appendix 4. Count of Graduate Students at GSS Institutions by Citizenship/Race/Ethnicity, Degree Level

Citizenship/Race/Ethnicity	All Graduate Students				Total
	Total	Female	Male	Data not available	
All graduate students	2,940,400	1,678,034	1,101,822	160,544	547,748
A = Nonresident Alien	124,514	53,754	65,764	4,996	41,904
H = Hispanic	273,495	176,620	93,935	2,940	37,703
IA = American Indian/Alaskan Native	16,259	10,823	5,166	270	2,291
Asian/NHPI	277,404	149,741	115,404	12,259	47,468
AN = Asian	224,151	118,867	93,799	11,485	39,570
NP = Asian or Pacific Islander	31,839	16,884	14,568	387	7,100
HP = Native Hawaiian or Other Pacific Islander	5,155	3,167	1,871	117	798
B = Black, Non-Hispanic	248,876	166,566	77,027	5,283	40,435
TM = Two or More Race/Ethnicity Categories	103,053	62,265	39,096	1,692	17,971
W = White, Non-Hispanic	1,277,507	781,187	480,572	15,748	212,394
U = Race/Ethnicity Unknown	635,551	287,901	230,024	117,626	147,582

, and Gender

Doctoral Students			Master's Students				Unknown Degree Level			
Female	Male	Data not available	Total	Female	Male	Data not available	Total	Female	Male	Data not available
281,061	223,114	43,573	1,791,748	1,037,982	659,084	94,682	600,904	358,991	219,624	22,289
17,014	22,973	1,917	74,417	32,688	38,954	2,775	8,193	4,052	3,837	304
22,356	14,898	449	175,700	115,584	58,550	1,566	60,092	38,680	20,487	925
1,431	809	51	10,929	7,389	3,381	159	3,039	2,003	976	60
23,281	21,186	3,001	145,068	76,209	62,333	6,526	68,609	39,428	26,719	2,462
19,381	17,247	2,942	122,755	64,136	52,447	6,172	61,826	35,350	24,105	2,371
3,408	3,650	42	19,147	10,128	8,737	282	5,592	3348	2181	63
492	289	17	3,166	1,945	1,149	72	1,191	730	433	28
26,549	13,089	797	163,168	109,831	49,947	3,390	45,273	30,186	13,991	1,096
10,218	7,324	429	62,828	38,338	23,565	925	22,254	13,709	8,207	338
121,407	88,084	2,903	772,867	482,333	281,297	9,237	292,246	177,447	111,191	3,608
58,805	54,751	34,026	386,771	175,610	141,057	70,104	101,198	53,486	34,216	13,496

Appendix 3. Counts and distributions of doctoral and masters students in the GSS and NSC data across GSS-eligible (Number and percent)

Detailed field	GSS 2021				NSC	
	Number	Percent	Percent female	Percent TVH	Number	Percent
	All detailed fields	293,543	100.0	45.4	39.4	333,664
Science	203,988	69.5	49.4	34.5	205,548	61.6
Agricultural and veterinary sciences	4,443	1.5	55.7	45.9	4,756	1.4
Agricultural sciences	3,906	1.3	54.8	47.2	4,222	1.3
Veterinary biomedical and clinical sciences	537	0.2	62.4	36.5	534	0.2
Biological and biomedical sciences	58,155	19.8	57.5	25.6	54,569	16.4
Biochemistry	4,828	1.6	52.3	27.3	4,376	1.3
Biology	7,400	2.5	57.4	27.8	7,288	2.2
Biomedical sciences	4,826	1.6	59.7	24.6	4,806	1.4
Biophysics	973	0.3	39.6	30.3	915	0.3
Biostatistics and bioinformatics	3,591	1.2	46.4	44.8	3,506	1.1
Biotechnology	128	0.0	59.4	29.7	135	0.0
Botany and plant biology	1,269	0.4	53.2	31.5	1,333	0.4
Cell, cellular biology, and anatomical sciences	5,290	1.8	57.5	24.3	4,631	1.4
Ecology and population biology	2,790	1.0	59.1	20.0	2,670	0.8
Epidemiology	2,162	0.7	72.8	28.4	2,053	0.6
Genetics	2,449	0.8	58.9	23.1	2,314	0.7
Microbiological sciences and immunology	4,371	1.5	59.0	18.2	3,772	1.1
Molecular biology	1,265	0.4	56.4	26.2	1,133	0.3
Neurobiology and neuroscience	5,758	2.0	57.8	18.0	5,241	1.6
Nutrition science	993	0.3	77.7	31.9	1,003	0.3
Pathology and experimental pathology	849	0.3	60.7	23.7	874	0.3
Pharmacology and toxicology	2,374	0.8	59.9	22.7	2,165	0.6
Physiology	3,041	1.0	56.2	26.1	2,818	0.8
Zoology and animal biology	1,213	0.4	55.3	23.8	1,204	0.4
Biological and biomedical sciences nec	2,585	0.9	60.1	26.3	2,332	0.7
Computer and information sciences	19,531	6.7	27.6	62.3	19,718	5.9
Artificial intelligence, informatics, and computer and information science topics	687	0.2	37.1	59.4	687	0.2
Computer and information sciences	6,168	2.1	24.5	66.8	6,531	2.0
Computer and information systems security	342	0.1	24.0	14.9	482	0.1
Computer science	10,356	3.5	25.0	64.5	9,924	3.0
Information science and studies	1,351	0.5	51.8	43.7	1,501	0.4
Information technology	467	0.2	43.5	56.3	467	0.1
Computer and information sciences nec	160	0.1	36.9	33.1	126	0.0
Geosciences, atmospheric sciences, and ocean sciences	6,770	2.3	49.5	30.3	6,505	1.9
Atmospheric sciences and meteorology	902	0.3	40.9	35.5	880	0.3
Geological and earth sciences	4,337	1.5	47.7	31.9	4,161	1.2
Ocean and marine sciences	1,531	0.5	59.7	22.9	1,464	0.4
Mathematics and statistics	13,619	4.6	30.0	50.3	12,955	3.9
Applied mathematics	2,255	0.8	32.2	47.3	2,074	0.6
Mathematics	7,964	2.7	27.1	44.6	7,558	2.3
Statistics	3,400	1.2	35.4	65.4	3,323	1.0
Multidisciplinary and interdisciplinary studies	3,774	1.3	54.1	30.8	3,518	1.1

Biological and physical sciences	887	0.3	53.9	34.0	679	0.2
Computational science	347	0.1	30.3	45.8	296	0.1
Data science and data analytics	46	0.0	37.0	76.1	98	0.0
International and global studies	183	0.1	63.9	32.2	182	0.1
Multidisciplinary and interdisciplinary studies nec	2,311	0.8	57.4	26.2	2,263	0.7
Natural resources and conservation	3,910	1.3	56.2	26.0	4,066	1.2
Environmental science and studies	1,956	0.7	60.0	25.6	2,073	0.6
Forestry, natural resources, and conservation	1,954	0.7	52.4	26.4	1,993	0.6
Physical sciences	37,732	12.9	35.7	40.4	35,445	10.6
Astronomy and astrophysics	1,539	0.5	45.0	22.9	1,362	0.4
Chemistry	20,149	6.9	43.8	38.7	19,010	5.7
Materials sciences	1,002	0.3	34.4	47.4	1,168	0.4
Physics	14,501	4.9	23.6	43.6	13,447	4.0
Physical sciences nec	541	0.2	37.9	51.6	458	0.1
Psychology	21,447	7.3	75.3	11.1	30,934	9.3
Applied psychology	4,910	1.7	77.1	10.1	6,178	1.9
Clinical psychology	3,389	1.2	79.3	4.5	8,648	2.6
Counseling psychology	1,461	0.5	77.7	7.0	3,743	1.1
Human development	797	0.3	82.4	17.8	794	0.2
Psychology, general	6,554	2.2	73.3	8.8	6,565	2.0
Research and experimental psychology	4,336	1.5	70.8	21.2	5,006	1.5
Social sciences	34,607	11.8	52.2	36.3	33,082	9.9
Agricultural and natural resource economics	522	0.2	46.9	71.6	359	0.1
Anthropology	4,129	1.4	65.6	22.0	3,808	1.1
Area, ethnic, cultural, gender, and group studies	2,326	0.8	66.1	22.3	2,702	0.8
Criminal justice and safety studies	1,227	0.4	54.4	5.1	1,299	0.4
Criminology	308	0.1	67.5	12.0	352	0.1
Economics (except agricultural and natural resource)	8,266	2.8	36.4	65.3	8,167	2.4
Geography and cartography	1,729	0.6	54.2	38.1	1,567	0.5
International relations and national security studies	474	0.2	50.8	34.6	527	0.2
Linguistics	1,652	0.6	59.0	43.9	1,645	0.5
Political science and government	5,332	1.8	44.6	32.7	5,037	1.5
Public policy analysis	2,740	0.9	52.7	23.2	2,322	0.7
Sociology and population studies	4,875	1.7	64.7	21.7	4,416	1.3
Urban studies and affairs	391	0.1	58.3	29.4	296	0.1
Social sciences, other	636	0.2	55.2	26.9	585	0.2
Engineering	72,924	24.8	28.7	56.6	71,547	21.4
Aerospace, aeronautical, and astronautical engineering	2,773	0.9	20.1	39.7	2,714	0.8
Biological, biomedical, and biosystems engineering	8,867	3.0	45.2	33.8	8,091	2.4
Chemical, petroleum, and chemical-related engineering	7,713	2.6	33.4	52.6	7,317	2.2
Chemical engineering	7,115	2.4	34.4	50.1	6,768	2.0
Petroleum engineering	598	0.2	21.7	82.9	549	0.2
Civil, environmental, transportation and related engineering fields	7,878	2.7	35.1	67.3	7,646	2.3
Civil engineering	6,760	2.3	33.1	69.2	6,608	2.0
Architectural, environmental, construction and surveying engineering	1,118	0.4	47.7	55.9	1,038	0.3
Electrical, electronics, communications and computer engineering	17,570	6.0	20.7	69.7	17,717	5.3

Electrical, electronics, and communications engineering	14,767	5.0	20.6	69.7	15,053	4.5
Computer engineering	2,803	1.0	21.3	69.9	2,664	0.8
Industrial, manufacturing, systems engineering and operations research	3,921	1.3	32.2	61.8	3,640	1.1
Industrial and manufacturing engineering	2,322	0.8	34.5	70.0	2,050	0.6
Systems engineering and operations research	1,599	0.5	28.7	49.8	1,590	0.5
Mechanical engineering	11,540	3.9	20.4	58.0	11,276	3.4
Metallurgical, mining, materials and related engineering fields	4,904	1.7	31.2	49.4	4,669	1.4
Other engineering	7,758	2.6	28.3	52.2	8,477	2.5
Agricultural engineering	668	0.2	40.1	63.0	761	0.2
Engineering mechanics, physics, and science	1,457	0.5	26.3	52.6	1,597	0.5
Nuclear engineering	1,032	0.4	20.8	30.6	996	0.3
Engineering, other	4,601	1.6	28.8	55.4	5,123	1.5
Health	16,631	5.7	69.4	23.6	56,569	17.0
Clinical medicine ^a	5,612	1.9	71.7	19.4	6,370	1.9
Medical clinical sciences and clinical and medical laboratory sciences	677	0.2	66.6	13.1	980	0.3
Public health	4,935	1.7	72.4	20.2	5,390	1.6
Other health	11,019	3.8	68.2	25.8	50,199	15.0
Communication disorders sciences	792	0.3	81.8	17.9	3,610	1.1
Dental sciences	219	0.1	58.4	54.8	212	0.1
Kinesiology and exercise science	1,031	0.4	49.9	20.3	966	0.3
Nursing science	3,512	1.2	86.4	12.1	12,289	3.7
Pharmaceutical sciences	2,936	1.0	54.7	52.4	2,989	0.9
Other health nec	2,529	0.9	62.6	16.2	30,133	9.0

nec = not elsewhere classified; TVH = temporary visa holder.

^a Clinical medicine includes graduate students in public health and clinical medicine nec. Clinical medicine includes postdoctoral & pediatricians, psychiatry, public health, pulmonary disease, radiological sciences, surgery, and clinical medicine nec.

Note(s):

Percentages may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see techn

Source(s):

(GSS counts from DTs 4-1, 4-2, 4-1b, and 4-4c)
National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineer

ble science, engineering, and health fields: 2021

Doctoral											
SC		Difference		Percentage Point			GSS 2021				
Percent female	Percent TVH	Number	Percent	Overall	Female	TVH	Number	Percent	Percent female	Percent TVH	Number
45.6	10.1	40,121	13.7	0.0	0.2	-29.3	466,613	100.0	51.4	43.9	658,792
46.4	10.2	1,560	0.8	-7.9	-3.0	-24.3	305,796	65.5	53.0	42.1	400,861
49.3	12.8	313	7.0	-0.1	-6.4	-33.1	6,801	1.5	63.1	26.9	8,230
48.6	13.5	316	8.1	0.0	-6.2	-33.7	5,790	1.2	60.6	26.2	7,246
54.7	7.6	-3	-0.6	0.0	-7.7	-28.9	1,011	0.2	77.0	32.4	984
52.7	8.1	-3,586	-6.2	-3.4	-4.8	-17.6	42,728	9.2	66.2	10.1	51,692
47.8	7.3	-452	-9.4	-0.3	-4.5	-20.0	1,005	0.2	57.2	4.6	1,254
52.8	7.5	-112	-1.5	-0.3	-4.6	-20.3	8,294	1.8	64.4	9.6	10,217
55.3	9.2	-20	-0.4	-0.2	-4.4	-15.4	5,794	1.2	67.2	9.3	6,486
36.5	10.4	-58	-6.0	0.0	-3.1	-19.9	6	0.0	16.7	0.0	18
38.0	12.8	-85	-2.4	-0.1	-8.4	-32.0	3,519	0.8	57.5	39.0	3,958
60.0	13.7	7	5.5	0.0	0.6	-15.9	3,395	0.7	61.0	516.4	4,659
47.5	8.4	64	5.0	0.0	-5.7	-23.1	363	0.1	59.0	5.8	493
53.3	8.5	-659	-12.5	-0.4	-4.2	-15.7	1,210	0.3	62.0	3.2	1,488
55.0	5.5	-120	-4.3	-0.2	-4.1	-14.5	1,201	0.3	64.4	3.2	1,244
66.3	8.9	-109	-5.0	-0.1	-6.5	-19.5	3,623	0.8	74.4	30.5	4,674
53.9	8.0	-135	-5.5	-0.1	-5.0	-15.2	718	0.2	79.4	2.9	813
55.0	7.1	-599	-13.7	-0.4	-4.0	-11.1	2,011	0.4	68.9	4.3	2,276
51.0	9.3	-132	-10.4	-0.1	-5.4	-16.9	405	0.1	66.2	4.9	522
54.6	5.7	-517	-9.0	-0.4	-3.2	-12.3	591	0.1	62.9	0.9	727
71.5	13.2	10	1.0	0.0	-6.2	-18.7	2,871	0.6	87.6	28.1	3,567
55.4	7.8	25	2.9	0.0	-5.3	-15.8	100	0.0	76.0	3.2	147
54.3	6.8	-209	-8.8	-0.2	-5.6	-15.9	926	0.2	66.3	9.7	1,017
52.3	8.9	-223	-7.3	-0.2	-3.9	-17.2	2,898	0.6	58.5	9.3	3,569
49.3	9.3	-9	-0.7	0.0	-6.0	-14.5	927	0.2	58.7	7.1	977
54.6	5.2	-253	-9.8	-0.2	-5.5	-21.1	2,871	0.6	66.4	5.4	3,586
23.2	18.1	187	1.0	-0.8	-4.4	-44.2	102,199	21.9	32.6	269.5	138,342
33.9	13.2	0	0.0	0.0	-3.2	-46.2	4,504	1.0	35.9	321.3	6,237
20.3	22.2	363	5.9	-0.1	-4.2	-44.6	30,804	6.6	28.5	270.1	43,795
24.3	*	140	40.9	0.0	0.3	-24.3	8,401	1.8	28.0	417.5	13,172
20.5	16.3	-432	-4.2	-0.5	-4.5	-48.2	30,361	6.5	28.1	198.2	37,466
44.1	17.5	150	11.1	-0.1	-7.7	-26.2	13,098	2.8	47.6	355.4	16,100
37.0	25.3	0	0.0	-0.1	-6.5	-31.0	7,527	1.6	41.4	831.9	11,057
31.7	26.5	-34	-21.3	-0.1	-5.2	-6.6	7,504	1.6	35.4	1951.9	10,515
45.1	8.6	-265	-3.9	-0.4	-4.4	-21.8	5,520	1.2	52.5	7.4	6,068
36.3	12.3	-22	-2.4	0.0	-4.7	-23.1	487	0.1	41.7	7.2	564
43.2	8.3	-176	-4.1	-0.3	-4.5	-23.6	3,534	0.8	47.7	8.0	3,851
56.1	7.0	-67	-4.4	-0.1	-3.6	-15.8	1,499	0.3	67.3	5.9	1,653
24.8	14.8	-664	-4.9	-0.7	-5.2	-35.4	20,639	4.4	41.3	74.1	25,308
28.0	13.4	-181	-8.0	-0.2	-4.2	-33.9	8,899	1.9	39.0	258.0	10,998
23.1	14.5	-406	-5.1	-0.4	-4.0	-30.1	4,164	0.9	41.5	10.5	5,386
26.7	16.3	-77	-2.3	-0.2	-8.7	-49.1	7,576	1.6	43.9	101.1	8,924
48.0	10.3	-256	-6.8	-0.2	-6.1	-20.4	11,994	2.6	54.8	86.5	18,185

48.6	5.2	-208	-23.4	-0.1	-5.3	-28.9	874	0.2	55.1	20.0	1,398
24.3	23.8	-51	-14.7	0.0	-6.0	-22.0	2,088	0.4	36.0	234.3	2,858
29.6	33.0	52	113.0	0.0	-7.4	-43.1	2,358	0.5	44.3	1367.4	4,543
57.7	14.8	-1	-0.5	0.0	-6.2	-17.4	1,267	0.3	57.1	83.6	1,528
51.0	9.0	-48	-2.1	-0.1	-6.4	-17.2	5,407	1.2	66.0	64.5	7,858
52.3	7.1	156	4.0	-0.1	-3.9	-18.9	10,012	2.1	62.4	23.5	13,029
55.5	6.4	117	6.0	-0.1	-4.5	-19.2	4,851	1.0	64.8	27.5	6,483
49.0	7.8	39	2.0	-0.1	-3.4	-18.6	5,161	1.1	60.1	19.4	6,546
31.4	12.8	-2,287	-6.1	-2.3	-4.3	-27.6	6,409	1.4	40.5	3.9	8,982
41.5	8.0	-177	-11.5	-0.1	-3.5	-14.8	85	0.0	41.2	0.7	183
38.2	12.8	-1,139	-5.7	-1.2	-5.6	-25.9	3,066	0.7	51.0	3.3	4,208
28.1	14.2	166	16.6	0.1	-6.3	-33.2	439	0.1	31.0	19.9	483
20.9	13.1	-1,054	-7.3	-0.9	-2.7	-30.6	2,278	0.5	23.9	3.8	3,653
36.0	10.3	-83	-15.3	-0.1	-1.9	-41.3	541	0.1	58.2	10.9	455
73.9	3.0	9,487	44.2	2.0	-1.4	-8.2	51,878	11.1	82.3	8.6	72,527
75.2	3.0	1,268	25.8	0.2	-1.9	-7.1	19,517	4.2	82.6	9.8	28,045
77.7	0.8	5,259	155.2	1.4	-1.6	-3.7	4,167	0.9	82.9	4.4	5,892
77.9	1.8	2,282	156.2	0.6	0.2	-5.3	16,965	3.6	83.2	16.8	23,284
77.5	9.3	-3	-0.4	-0.1	-4.9	-8.6	1,566	0.3	91.7	11.3	2,167
70.9	2.4	11	0.2	-0.2	-2.4	-6.4	7,329	1.6	77.4	8.2	9,725
66.5	7.3	670	15.5	0.0	-4.3	-13.9	2,334	0.5	81.8	7.7	3,414
47.8	11.6	-1,525	-4.4	-1.9	-4.4	-24.8	47,616	10.2	56.3	23.7	58,498
40.1	28.5	-163	-31.2	-0.1	-6.8	-43.2	672	0.1	46.6	42.7	495
60.5	5.8	-321	-7.8	-0.3	-5.1	-16.3	2,292	0.5	69.9	2.6	2,648
63.0	10.9	376	16.2	0.0	-3.1	-11.4	2,767	0.6	67.4	20.6	3,415
56.0	1.3	72	5.9	0.0	1.6	-3.8	5,602	1.2	64.7	7.8	6,955
63.9	5.5	44	14.3	0.0	-3.6	-6.5	1,272	0.3	71.4	32.5	1,838
31.1	20.2	-99	-1.2	-0.4	-5.3	-45.0	6,882	1.5	41.3	40.6	8,699
49.6	9.5	-162	-9.4	-0.1	-4.6	-28.6	3,147	0.7	45.9	22.0	3,613
43.3	10.0	53	11.2	0.0	-7.5	-24.6	8,308	1.8	50.9	226.2	11,240
51.7	11.2	-7	-0.4	-0.1	-7.3	-32.7	1,188	0.3	64.4	11.1	1,431
40.9	11.1	-295	-5.5	-0.3	-3.7	-21.7	3,270	0.7	46.5	6.5	4,071
50.7	6.6	-418	-15.3	-0.2	-2.0	-16.7	7,290	1.6	60.7	48.4	7,744
59.6	7.8	-459	-9.4	-0.4	-5.1	-13.9	2,331	0.5	70.7	3.3	2,954
48.0	*	-95	-24.3	0.0	-10.3	-29.4	827	0.2	62.5	13.3	1,014
53.0	13.8	-51	-8.0	0.0	-2.2	-13.1	1,768	0.4	61.5	48.1	2,381
24.0	15.7	-1,377	-1.9	-3.4	-4.7	-40.9	95,126	20.4	27.0	52.2	110,006
17.2	10.8	-59	-2.1	-0.1	-2.9	-28.9	5,065	1.1	17.9	23.9	6,014
39.7	10.2	-776	-8.8	-0.6	-5.5	-23.6	5,192	1.1	48.7	17.0	6,322
28.5	16.5	-396	-5.1	-0.4	-4.9	-36.1	2,983	0.6	33.3	15.6	3,886
29.4	15.5	-347	-4.9	-0.4	-5.0	-34.6	2,555	0.5	35.7	13.6	3,402
17.5	29.4	-49	-8.2	0.0	-4.2	-53.5	428	0.1	18.9	39.1	484
29.0	16.7	-232	-2.9	-0.4	-6.1	-50.6	11,730	2.5	34.8	51.1	13,524
27.5	17.1	-152	-2.2	-0.3	-5.6	-52.1	9,352	2.0	32.5	47.2	10,552
38.4	14.2	-80	-7.2	-0.1	-9.3	-41.7	2,378	0.5	43.6	74.6	2,972
16.5	18.4	147	0.8	-0.7	-4.2	-51.4	27,695	5.9	24.0	87.8	31,004

16.3	17.5	286	1.9	-0.5	-4.3	-52.2	17,866	3.8	21.6	60.5	21,317
17.9	23.3	-139	-5.0	-0.2	-3.4	-46.6	9,829	2.1	28.5	231.8	9,687
27.1	19.4	-281	-7.2	-0.2	-5.1	-42.4	11,949	2.6	29.1	122.4	13,814
28.2	17.9	-272	-11.7	-0.2	-6.3	-52.1	5,284	1.1	26.5	127.0	6,401
25.8	21.4	-9	-0.6	0.0	-2.9	-28.4	6,665	1.4	31.2	115.8	7,413
17.4	16.8	-264	-2.3	-0.5	-3.0	-41.1	15,718	3.4	17.2	47.3	18,096
26.1	14.8	-235	-4.8	-0.3	-5.1	-34.6	2,518	0.5	32.8	17.9	3,124
24.6	12.8	719	9.3	-0.1	-3.7	-39.4	12,276	2.6	28.4	53.1	14,222
34.4	17.6	93	13.9	0.0	-5.7	-45.4	519	0.1	43.0	34.1	579
22.7	16.4	140	9.6	0.0	-3.6	-36.2	782	0.2	30.3	18.3	1,172
19.0	5.7	-36	-3.5	-0.1	-1.8	-24.9	484	0.1	18.4	7.8	521
24.8	12.4	522	11.3	-0.1	-4.0	-43.0	10,491	2.2	28.0	77.0	11,950
69.7	2.5	39,938	240.1	11.3	0.3	-21.2	65,691	14.1	79.0	29.5	147,925
66.9	5.5	758	13.5	0.0	-4.8	-13.8	34,021	7.3	77.2	49.5	44,383
62.2	2.0	303	44.8	0.1	-4.4	-11.2	1,287	0.3	61.9	21.3	2,993
67.7	6.2	455	9.2	-0.1	-4.7	-14.1	32,734	7.0	77.8	53.4	41,390
70.0	2.1	39,180	355.6	11.2	1.8	-23.7	31,670	6.8	80.9	19.4	103,542
85.5	1.6	2,818	355.8	0.8	3.7	-16.3	17,406	3.7	95.6	27.0	20,642
51.9	16.5	-7	-3.2	0.0	-6.5	-38.3	1,500	0.3	53.6	135.6	1,745
46.8	5.8	-65	-6.3	-0.1	-3.1	-14.4	4,962	1.1	51.7	36.0	5,888
79.3	1.5	8,777	249.9	2.5	-7.1	-10.5	1,662	0.4	88.3	0.7	51,120
48.3	12.5	53	1.8	-0.1	-6.4	-39.9	1,939	0.4	66.3	20.9	3,733
67.4	1.1	27,604	1,091.5	8.1	4.8	-15.1	4,201	0.9	68.2	24.2	20,414

appointees and nonfaculty researchers in anesthesiology, cardiology, endocrinology, gastroenterology, hematology, neurology, obstetrics

ical table A-17.

pring, 2021; NSC custom request.

Master's							
NSC			Difference		Percentage Point		
Percent	Percent female	Percent TVH	Number	Percent	Overall	Female	TVH
100.0	51.7	6.6	192,179	41.2	0.0	0.3	-37.3
60.8	49.0	7.7	95,065	31.1	-4.7	-4.0	-34.4
1.2	60.3	4.9	1,429	21.0	-0.3	-2.8	-22.0
1.1	58.1	5.2	1,456	25.1	-0.1	-2.5	-21.0
0.1	76.4	2.7	-27	-2.7	-0.1	-0.6	-29.7
7.8	62.6	3.9	8,964	21.0	-1.4	-3.6	-6.1
0.2	53.3	4.8	249	24.8	0.0	-3.9	0.2
1.6	62.3	2.7	1,923	23.2	-0.2	-2.1	-6.8
1.0	67.2	2.3	692	11.9	-0.2	0.0	-7.1
0.0	*	*	12	200.0	0.0	-16.7	0.0
0.6	47.6	12.0	439	12.5	-0.2	-9.9	-27.0
0.7	56.7	3.9	1,264	37.2	0.0	-4.3	-512.5
0.1	49.9	6.0	130	35.8	0.0	-9.1	0.1
0.2	57.6	2.8	278	23.0	-0.1	-4.4	-0.4
0.2	62.8	1.1	43	3.6	-0.1	-1.6	-2.1
0.7	66.8	8.2	1,051	29.0	-0.1	-7.6	-22.3
0.1	72.8	2.5	95	13.2	-0.1	-6.6	-0.4
0.3	66.0	2.1	265	13.2	-0.1	-2.9	-2.3
0.1	59.0	3.3	117	28.9	0.0	-7.2	-1.6
0.1	59.8	1.4	136	23.0	0.0	-3.1	0.5
0.5	83.5	3.5	696	24.2	-0.1	-4.1	-24.6
0.0	69.4	*	47	47.0	0.0	-6.6	-3.2
0.2	61.8	4.7	91	9.8	0.0	-4.5	-5.0
0.5	55.2	2.4	671	23.2	-0.1	-3.3	-7.0
0.1	56.2	2.5	50	5.4	-0.1	-2.5	-4.6
0.5	66.0	1.2	715	24.9	-0.1	-0.4	-4.1
21.0	28.8	13.5	36,143	35.4	-0.9	-3.8	-256.0
0.9	35.6	10.3	1,733	38.5	-0.1	-0.3	-311.0
6.6	24.8	16.7	12,991	42.2	0.0	-3.7	-253.3
2.0	25.8	4.6	4,771	56.8	0.2	-2.2	-412.9
5.7	24.1	15.5	7,105	23.4	-0.8	-4.0	-182.7
2.4	41.8	8.7	3,002	22.9	-0.4	-5.8	-346.7
1.7	38.7	18.4	3,530	46.9	0.1	-2.7	-813.6
1.6	32.1	8.1	3,011	40.1	0.0	-3.3	-1943.8
0.9	51.0	3.1	548	9.9	-0.3	-1.5	-4.4
0.1	38.7	3.0	77	15.8	0.0	-3.0	-4.2
0.6	46.6	3.4	317	9.0	-0.2	-1.1	-4.6
0.3	65.5	2.4	154	10.3	0.0	-1.8	-3.6
3.8	33.3	15.8	4,669	22.6	-0.6	-8.0	-58.2
1.7	30.0	23.6	2,099	23.6	-0.2	-9.0	-234.4
0.8	38.7	5.3	1,222	29.3	-0.1	-2.8	-5.2
1.4	34.0	12.7	1,348	17.8	-0.2	-9.9	-88.4
2.8	48.7	6.2	6,191	51.6	0.2	-6.1	-80.2

0.2	58.2	2.2	524	60.0	0.0	3.1	-17.8
0.4	30.1	7.4	770	36.9	0.0	-5.9	-226.9
0.7	31.7	5.8	2,185	92.7	0.2	-12.6	-1361.6
0.2	54.6	2.0	261	20.6	-0.1	-2.5	-81.6
1.2	62.4	7.6	2,451	45.3	0.0	-3.6	-56.9
2.0	58.5	3.1	3,017	30.1	-0.1	-3.9	-20.3
1.0	60.5	4.4	1,632	33.6	0.0	-4.3	-23.0
1.0	56.6	1.9	1,385	26.8	-0.1	-3.5	-17.6
1.4	35.7	7.2	2,573	40.1	0.0	-4.8	3.3
0.0	43.7	*	98	115.3	0.0	2.5	-0.7
0.6	46.2	7.4	1,142	37.2	-0.1	-4.8	4.2
0.1	25.3	9.4	44	10.0	0.0	-5.7	-10.5
0.6	22.0	7.6	1,375	60.4	0.1	-1.9	3.9
0.1	56.7	2.7	-86	-15.9	0.0	-1.5	-8.2
11.0	79.8	1.2	20,649	39.8	-0.1	-2.5	-7.4
4.3	80.5	1.1	8,528	43.7	0.1	-2.1	-8.7
0.9	79.5	1.0	1,725	41.4	0.0	-3.4	-3.4
3.5	81.8	0.5	6,319	37.2	-0.1	-1.4	-16.3
0.3	90.3	4.3	601	38.4	0.0	-1.4	-7.0
1.5	72.0	1.4	2,396	32.7	-0.1	-5.4	-6.8
0.5	76.3	3.9	1,080	46.3	0.0	-5.5	-3.8
8.9	51.7	4.6	10,882	22.9	-1.3	-4.6	-19.1
0.1	42.4	6.2	-177	-26.3	0.0	-4.2	-36.5
0.4	67.4	1.5	356	15.5	-0.1	-2.5	-1.1
0.5	65.3	4.9	648	23.4	-0.1	-2.1	-15.7
1.1	62.8	0.4	1,353	24.2	-0.1	-1.9	-7.4
0.3	68.4	1.3	566	44.5	0.0	-3.0	-31.2
1.3	32.6	14.4	1,817	26.4	-0.2	-8.7	-26.2
0.5	42.8	3.2	466	14.8	-0.2	-3.1	-18.8
1.7	46.2	2.5	2,932	35.3	-0.1	-4.7	-223.7
0.2	60.9	4.3	243	20.5	-0.1	-3.5	-6.7
0.6	43.4	2.7	801	24.5	-0.1	-3.1	-3.7
1.2	53.7	5.3	454	6.2	-0.4	-7.0	-43.1
0.4	67.2	2.4	623	26.7	-0.1	-3.5	-0.9
0.2	60.8	1.6	187	22.6	0.0	-1.7	-11.7
0.4	60.1	2.7	613	34.7	0.0	-1.4	-45.4
16.7	23.8	9.1	14,880	15.6	-3.7	-3.2	-43.2
0.9	17.6	4.2	949	18.7	-0.2	-0.3	-19.7
1.0	44.9	7.6	1,130	21.8	-0.1	-3.8	-9.4
0.6	29.7	10.0	903	30.3	0.0	-3.6	-5.6
0.5	31.6	9.1	847	33.2	0.0	-4.1	-4.5
0.1	16.1	16.1	56	13.1	0.0	-2.8	-23.1
2.1	32.0	7.0	1,794	15.3	-0.4	-2.8	-44.1
1.6	29.6	6.9	1,200	12.8	-0.4	-2.9	-40.3
0.5	40.2	7.3	594	25.0	0.0	-3.4	-67.3
4.7	18.7	11.9	3,309	11.9	-1.2	-5.3	-75.9

3.2	17.5	10.7	3,451	19.3	-0.6	-4.1	-49.8
1.5	21.1	14.7	-142	-1.4	-0.6	-7.4	-217.1
2.1	25.3	9.6	1,865	15.6	-0.5	-3.8	-112.8
1.0	23.8	12.2	1,117	21.1	-0.1	-2.7	-114.8
1.1	26.5	7.5	748	11.2	-0.3	-4.7	-108.4
2.7	16.1	8.5	2,378	15.1	-0.7	-1.1	-38.8
0.5	29.5	8.6	606	24.1	0.0	-3.3	-9.3
2.2	26.0	7.6	1,946	15.9	-0.4	-2.4	-45.5
0.1	39.7	6.8	60	11.6	0.0	-3.3	-27.3
0.2	26.9	9.8	390	49.9	0.0	-3.4	-8.5
0.1	17.3	3.0	37	7.6	0.0	-1.1	-4.8
1.8	25.7	7.6	1,459	13.9	-0.4	-2.3	-69.4
22.5	79.7	1.8	82,234	125.2	8.4	0.7	-27.8
6.7	73.4	2.8	10,362	30.5	-0.6	-3.8	-46.7
0.5	62.6	5.4	1,706	132.6	0.2	0.7	-15.8
6.3	74.1	2.6	8,656	26.4	-0.7	-3.7	-50.8
15.7	82.4	1.3	71,872	226.9	8.9	1.5	-18.1
3.1	94.2	0.4	3,236	18.6	-0.6	-1.4	-26.7
0.3	52.6	8.5	245	16.3	0.0	-1.0	-127.1
0.9	48.3	2.9	926	18.7	-0.2	-3.4	-33.1
7.8	85.6	0.4	49,458	2,975.8	7.4	-2.7	-0.3
0.6	64.1	6.3	1,794	92.5	0.2	-2.2	-14.7
3.1	78.2	2.7	16,213	385.9	2.2	10.0	-21.5

s and gynecology, oncology and cancer research, ophthalmology, otorhinolaryngology,