

Table 7-3**Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2022**

(Number)

Field and institution	Rank	Total ^a	Male	Female
Science and engineering	-	45,924	25,680	20,243
From top 20 institutions	-	12,355	7,287	5,068
U. Michigan, Ann Arbor	1	759	458	301
Stanford U.	2	738	473	265
U. California, Berkeley	3	717	442	275
Massachusetts Institute of Technology	4	695	471	224
Purdue U., West Lafayette	5	692	463	229
U. Illinois, Urbana-Champaign	6	681	438	243
Texas A&M U., College Station	7	669	418	251
U. Florida	8	643	354	289
U. California, Los Angeles	9	642	389	253
Ohio State U., Columbus	10	637	390	247
U. Texas, Austin	11	591	373	218
U. Wisconsin-Madison	12	590	343	247
Harvard U.	13	582	314	268
Pennsylvania State U.	13	582	352	230
U. Minnesota, Twin Cities	15	559	284	275
Georgia Institute of Technology	16	536	381	155
U. California, Davis	17	530	274	256
Walden U.	18	519	149	370
U. Washington, Seattle	19	511	271	240
Johns Hopkins U.	20	482	250	232
Agricultural sciences and natural resources	-	1,305	626	679
From top 20 institutions	-	701	348	353
U. Florida	1	75	37	38
Texas A&M U., College Station	2	49	23	26
North Carolina State U.	3	46	21	25
U. Minnesota, Twin Cities	4	45	21	24
Ohio State U., Columbus	5	44	23	21
U. Illinois, Urbana-Champaign	6	38	19	19
U. Georgia	7	34	24	10
Washington State U.	7	34	19	15
Cornell U.	9	33	12	21
U. California, Davis	10	32	11	21
Michigan State U.	11	30	18	12
Mississippi State U.	11	30	16	14
Iowa State U.	13	28	12	16
Purdue U., West Lafayette	13	28	18	10
U. Nebraska, Lincoln	13	28	14	14
Louisiana State U., Baton Rouge	16	26	10	16
Virginia Polytechnic Institute and State U.	16	26	12	14
Kansas State U.	18	25	12	13
Oregon State U.	18	25	16	9
U. Wisconsin-Madison	18	25	10	15
Biological and biomedical sciences	-	9,386	4,372	5,014
From top 20 institutions	-	2,705	1,262	1,443
Harvard U.	1	210	106	104
Johns Hopkins U.	2	154	65	89
U. California, Berkeley	3	153	75	78
U. Michigan, Ann Arbor	3	153	71	82

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Field and institution	Rank	Total ^a	Male	Female
U. California, Davis	5	151	61	90
U. Pennsylvania	6	145	53	92
U. California, Los Angeles	7	142	72	70
U. California, San Diego	7	142	67	75
Stanford U.	9	137	77	60
U. Wisconsin-Madison	10	133	63	70
U. North Carolina, Chapel Hill	11	131	54	77
U. Florida	12	129	64	65
Duke U.	13	123	55	68
Yale U.	14	120	54	66
U. Washington, Seattle	15	118	49	69
Ohio State U., Columbus	16	117	59	58
U. Minnesota, Twin Cities	17	116	43	73
U. Georgia	18	112	47	65
Washington U., Saint Louis	19	110	72	38
Columbia U. in the City of New York	20	109	55	54
Computer and information sciences	-	2,188	1,654	534
From top 20 institutions	-	746	586	160
Carnegie Mellon U.	1	74	61	13
U. Illinois, Urbana-Champaign	2	63	55	8
U. California, Berkeley	3	48	40	8
Massachusetts Institute of Technology	4	42	34	8
Stanford U.	4	42	31	11
U. Maryland, College Park	6	41	33	8
U. California, Los Angeles	7	39	29	10
Purdue U., West Lafayette	8	35	27	8
U. California, Irvine	9	34	24	10
Georgia Institute of Technology	10	33	24	9
U. Southern California	10	33	28	5
Cornell U.	12	32	27	5
U. California, San Diego	13	31	27	4
Indiana U., Bloomington	14	30	22	8
U. Central Florida	14	30	22	8
Johns Hopkins U.	16	29	23	6
U. Texas, Austin	16	29	24	5
U. Utah	18	28	22	6
U. Washington, Seattle	19	27	15	12
U. Massachusetts, Amherst	20	26	18	8
Engineering	-	10,763	7,832	2,931
From top 20 institutions	-	4,008	2,946	1,062
Georgia Institute of Technology	1	343	263	80
Purdue U., West Lafayette	2	334	254	80
Texas A&M U., College Station	3	282	207	75
Stanford U.	4	260	168	92
Massachusetts Institute of Technology	5	250	172	78
U. Michigan, Ann Arbor	6	248	176	72
U. Illinois, Urbana-Champaign	7	224	174	50
U. Texas, Austin	8	203	153	50
Virginia Polytechnic Institute and State U.	9	182	140	42
North Carolina State U.	10	178	128	50

Table 7-3**Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2022**

(Number)

Field and institution	Rank	Total ^a	Male	Female
Pennsylvania State U.	11	176	129	47
Arizona State U., Tempe	12	159	126	33
Ohio State U., Columbus	12	159	128	31
Carnegie Mellon U.	14	157	112	45
U. California, Berkeley	15	155	106	49
U. California, Los Angeles	16	148	104	44
U. Florida	17	147	115	32
U. California, San Diego	18	139	105	34
U. Colorado Boulder	19	135	94	41
U. Maryland, College Park	20	129	92	37
Geosciences, atmospheric, and ocean sciences	-	1,165	627	538
From top 20 institutions	-	474	252	222
Massachusetts Institute of Technology	1	36	15	21
Texas A&M U., College Station	1	36	20	16
Stanford U.	3	30	16	14
U. California, San Diego	4	29	16	13
U. Washington, Seattle	4	29	14	15
U. Maryland, College Park	6	25	12	13
California Institute of Technology	7	24	17	7
U. Texas, Austin	7	24	13	11
U. Michigan, Ann Arbor	9	22	14	8
Oregon State U.	10	20	8	12
U. Houston	10	20	14	6
Colorado School of Mines	12	19	12	7
U. California, Los Angeles	12	19	9	10
Pennsylvania State U.	14	18	11	7
U. Arizona	14	18	7	11
U. Colorado Boulder	14	18	8	10
U. Hawaii, Manoa	14	18	5	13
U. Miami	14	18	6	12
Colorado State U., Fort Collins	19	17	14	3
SUNY, U. Albany	19	17	9	8
U. Utah	19	17	12	5
Health sciences	-	2,808	874	1,934
From top 20 institutions	-	925	304	621
Walden U.	1	152	45	107
U. North Carolina, Chapel Hill	2	58	13	45
Johns Hopkins U.	3	57	17	40
U. Florida	4	55	20	35
Texas Woman's U.	5	43	11	32
U. Minnesota, Twin Cities	5	43	16	27
U. Wisconsin-Madison	7	42	12	30
U. Iowa	8	41	16	25
U. Nebraska, Medical Center	9	38	14	24
Ohio State U., Columbus	10	37	14	23
U. Illinois, Chicago	11	36	11	25
U. Pittsburgh, Pittsburgh	12	35	13	22
U. California, Los Angeles	13	34	15	19
U. Utah	13	34	11	23
U. Washington, Seattle	13	34	12	22

Table 7-3**Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2022**

(Number)

Field and institution	Rank	Total ^a	Male	Female
Harvard U.	16	33	9	24
U. South Carolina, Columbia	16	33	14	19
U. Texas, Austin	18	32	11	21
U. Michigan, Ann Arbor	19	30	9	21
U. Arizona	20	29	10	19
U. Texas Health Science Center, Houston	20	29	11	18
Mathematics and statistics	-	2,144	1,523	621
From top 20 institutions	-	701	506	195
North Carolina State U.	1	52	29	23
U. California, Los Angeles	2	45	39	6
Purdue U., West Lafayette	3	42	27	15
U. California, Berkeley	4	39	32	7
U. Wisconsin-Madison	5	38	30	8
Stanford U.	6	37	27	10
U. Michigan, Ann Arbor	7	35	29	6
Ohio State U., Columbus	8	34	25	9
Pennsylvania State U.	8	34	24	10
Princeton U.	8	34	26	8
Cornell U.	11	32	22	10
Stony Brook U.	11	32	26	6
Iowa State U.	13	30	18	12
Texas A&M U., College Station	14	29	18	11
U. Washington, Seattle	14	29	23	6
Florida State U.	16	28	21	7
Harvard U.	17	27	16	11
U. California, Davis	18	26	22	4
U. Illinois, Urbana-Champaign	18	26	16	10
U. Minnesota, Twin Cities	18	26	18	8
U. Utah	18	26	18	8
Multidisciplinary/ interdisciplinary sciences	-	1,788	1,132	656
From top 20 institutions	-	691	461	230
Massachusetts Institute of Technology	1	119	99	20
U. California, Berkeley	2	51	34	17
U. Michigan, Ann Arbor	3	42	32	10
Stanford U.	4	40	26	14
U. Washington, Seattle	4	40	25	15
Pennsylvania State U.	6	37	25	12
Carnegie Mellon U.	7	33	22	11
Arizona State U., Tempe	8	31	16	15
U. Illinois, Urbana-Champaign	9	27	18	9
U. Notre Dame	9	27	16	11
U. California, Davis	11	25	10	15
Georgia Institute of Technology	12	24	17	7
U. Minnesota, Twin Cities	12	24	11	13
Ohio State U., Columbus	14	23	17	6
U. Florida	14	23	13	10
Purdue U., West Lafayette	16	22	15	7
Michigan State U.	17	21	10	11
Texas A&M U., College Station	17	21	14	7
U. Texas, Austin	17	21	17	4

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Field and institution	Rank	Total ^a	Male	Female
U. California, Irvine	20	20	13	7
U. Massachusetts, Amherst	20	20	11	9
Physical sciences	-	5,428	3,651	1,777
From top 20 institutions	-	1,617	1,109	508
U. California, Berkeley	1	113	81	32
U. Michigan, Ann Arbor	2	106	73	33
Harvard U.	3	101	67	34
Massachusetts Institute of Technology	4	100	66	34
Ohio State U., Columbus	5	93	60	33
Stanford U.	6	92	71	21
U. Chicago	7	84	57	27
U. Wisconsin-Madison	8	82	54	28
U. Illinois, Urbana-Champaign	9	80	53	27
Northwestern U.	10	78	46	32
U. California, Los Angeles	11	73	51	22
Purdue U., West Lafayette	12	71	50	21
Princeton U.	13	70	55	15
Pennsylvania State U.	14	69	50	19
U. Florida	14	69	46	23
California Institute of Technology	16	68	50	18
Stony Brook U.	16	68	50	18
U. California, Davis	16	68	43	25
Columbia U. in the City of New York	19	66	43	23
U. Maryland, College Park	19	66	43	23
Psychology	-	3,900	982	2,918
From top 20 institutions	-	1,143	263	880
Walden U.	1	239	43	196
Palo Alto U.	2	84	20	64
CUNY, Graduate Center	3	55	13	42
Fielding Graduate U.	4	54	6	48
U. Minnesota, Twin Cities	5	51	12	39
Alliant International U., San Diego	6	49	11	38
Pacifica Graduate Institute	7	47	9	38
U. Florida	7	47	7	40
Pennsylvania State U.	9	45	14	31
U. California, Los Angeles	10	41	15	26
Ohio State U., Columbus	11	38	14	24
Columbia U. in the City of New York	12	37	4	33
U. Georgia	13	36	12	24
U. Texas, Austin	14	35	8	27
Fordham U.	15	34	4	30
Pontifical Catholic U. Puerto Rico, Ponce	16	32	8	24
U. Northern Colorado	16	32	12	20
U. Wisconsin-Madison	16	32	10	22
Florida State U.	19	31	8	23
Michigan State U.	19	31	9	22
SUNY, U. Buffalo	19	31	6	25
U. Connecticut, Storrs	19	31	11	20
U. North Carolina, Chapel Hill	19	31	7	24
Social sciences	-	5,049	2,407	2,641

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Field and institution	Rank	Total ^a	Male	Female
From top 20 institutions	-	1,606	822	784
Harvard U.	1	111	53	58
U. California, Berkeley	2	104	56	48
Walden U.	2	104	50	54
U. Chicago	4	92	50	42
U. Texas, Austin	5	91	44	47
U. California, Los Angeles	6	86	47	39
Princeton U.	7	80	47	33
U. California, Davis	8	79	33	46
U. California, Irvine	8	79	42	37
Columbia U. in the City of New York	10	78	48	30
CUNY, Graduate Center	11	77	32	45
U. Pennsylvania	11	77	29	48
Ohio State U., Columbus	13	76	39	37
Stanford U.	14	73	47	26
U. Michigan, Ann Arbor	15	72	36	36
U. Illinois, Urbana-Champaign	16	69	32	37
U. Wisconsin-Madison	17	66	37	29
George Mason U.	18	64	39	25
New York U.	18	64	30	34
Pennsylvania State U.	18	64	31	33
Non-science and engineering	-	11,672	4,842	6,826
From top 20 institutions	-	2,915	1,160	1,755
Walden U.	1	310	100	210
Texas Tech U.	2	190	69	121
Harvard U.	3	171	75	96
U. Wisconsin-Madison	4	163	51	112
U. Georgia	5	159	64	95
U. Texas, Austin	6	150	69	81
U. California, Los Angeles	7	144	69	75
U. Illinois, Urbana-Champaign	8	143	57	86
U. Minnesota, Twin Cities	9	134	52	82
Ohio State U., Columbus	10	130	55	75
Columbia U. in the City of New York	11	129	54	75
Indiana U., Bloomington	11	129	49	80
Pennsylvania State U.	13	128	45	83
U. Florida	13	128	54	74
Florida State U.	15	126	56	70
Texas A&M U., College Station	16	124	49	75
Michigan State U.	17	116	44	72
U. Chicago	18	114	63	51
U. North Texas, Denton	18	114	43	71
U. California, Berkeley	20	113	42	71
Business	-	1,401	781	620
From top 20 institutions	-	527	296	231
Walden U.	1	84	50	34
Texas Tech U.	2	28	12	16
Stanford U.	3	25	9	16
U. Illinois, Urbana-Champaign	4	24	9	15
Arizona State U., Tempe	5	22	9	13

Table 7-3

Top 20 doctorate-granting institutions ranked by total number of research doctorate recipients, by broad field of doctorate and sex: 2022

(Number)

Field and institution	Rank	Total ^a	Male	Female
Texas A&M U., College Station	5	22	11	11
Northwestern U.	7	21	13	8
Oklahoma State U., Stillwater	7	21	12	9
U. Washington, Seattle	7	21	10	11
Rutgers, State U. New Jersey, Newark	10	19	10	9
Temple U.	10	19	11	8
Georgia State U.	12	18	13	5
Massachusetts Institute of Technology	12	18	11	7
Purdue U., West Lafayette	12	18	8	10
U. Minnesota, Twin Cities	12	18	10	8
U. Southern California	12	18	9	9
Harvard U.	17	17	14	3
Louisiana State U., Baton Rouge	17	17	12	5
U. Texas, Dallas	17	17	14	3
Iowa State U.	20	16	9	7
Michigan State U.	20	16	11	5
New York U.	20	16	9	7
U. North Texas, Denton	20	16	8	8
U. Pennsylvania	20	16	12	4
Education	-	3,919	1,154	2,765
From top 20 institutions	-	1,168	346	822
Texas Tech U.	1	110	36	74
Walden U.	2	103	18	85
U. Georgia	3	79	23	56
Pennsylvania State U.	4	67	24	43
U. Wisconsin-Madison	5	65	17	48
U. North Texas, Denton	6	64	15	49
Michigan State U.	7	53	17	36
Auburn U., Auburn	8	51	13	38
Ohio State U., Columbus	9	50	19	31
Indiana U., Bloomington	10	49	13	36
U. Illinois, Urbana-Champaign	10	49	21	28
Texas A&M U., College Station	12	48	11	37
U. Florida	13	45	18	27
U. Texas, Austin	13	45	16	29
U. Northern Colorado	15	44	11	33
Old Dominion U.	16	43	6	37
Florida State U.	17	41	13	28
U. Minnesota, Twin Cities	17	41	11	30
U. South Florida, Tampa	17	41	18	23
Teachers C., Columbia U.	20	40	11	29
U. California, Los Angeles	20	40	15	25
Humanities	-	3,369	1,709	1,658
From top 20 institutions	-	1,023	515	507
Harvard U.	1	97	37	60
U. Chicago	2	65	38	27
U. California, Los Angeles	3	57	27	30
Columbia U. in the City of New York	4	55	32	23
U. California, Berkeley	5	50	21	29
U. Wisconsin-Madison	6	49	17	32

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(Number)

Field and institution	Rank	Total ^a	Male	Female
Princeton U.	7	48	22	26
U. Texas, Austin	7	48	28	20
Yale U.	9	45	18	27
New York U.	10	44	19	25
Midwestern Baptist Theological Seminary	11	43	42	1
Florida State U.	12	42	27	15
U. Pennsylvania	12	42	24	18
CUNY, Graduate Center	14	41	18	23
U. Notre Dame	15	39	23	16
Indiana U., Bloomington	16	38	16	22
U. North Carolina, Chapel Hill	16	38	20	18
Ohio State U., Columbus	18	37	23	14
U. Illinois, Urbana-Champaign	18	37	14	23
Emory U., Atlanta	20	36	15	21
Purdue U., West Lafayette	20	36	20	16
U. California, Davis	20	36	14	21
Visual and performing arts	-	842	363	479
From top 20 institutions	-	459	199	260
CUNY, Graduate Center	1	34	12	22
U. Miami	2	32	19	13
Arizona State U., Tempe	3	31	13	18
U. California, Los Angeles	4	24	13	11
New York U.	5	21	6	15
Yale U.	5	21	11	10
U. Chicago	7	20	8	12
U. Colorado Boulder	7	20	12	8
U. California, Berkeley	9	19	5	14
U. Oklahoma, Norman	9	19	11	8
Columbia U. in the City of New York	11	18	6	12
Harvard U.	12	17	9	8
Northwestern U.	12	17	6	11
U. California, Santa Barbara	12	17	6	11
U. Minnesota, Twin Cities	12	17	7	10
Stanford U.	16	16	7	9
U. Wisconsin-Madison	16	16	3	13
U. Pittsburgh, Pittsburgh	18	15	5	10
U. Texas, Austin	18	15	4	11
Princeton U.	20	14	7	7
U. California, San Diego	20	14	6	8
U. Florida	20	14	10	4
U. Maryland, College Park	20	14	3	11
U. Rochester	20	14	10	4
Other non-science and engineering	-	2,141	835	1,304
From top 20 institutions	-	641	235	406
Walden U.	1	121	31	90
U. Georgia	2	39	18	21
Texas A&M U., College Station	3	36	20	16
U. Florida	4	34	12	22
U. Pennsylvania	4	34	15	19
U. Texas, Austin	6	32	12	20

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Field and institution	Rank	Total ^a	Male	Female
U. Southern California	7	28	7	21
U. Minnesota, Twin Cities	8	27	7	20
U. Alabama, Tuscaloosa	9	26	10	16
U. Missouri, Columbia	9	26	7	19
U. Illinois, Urbana-Champaign	11	25	11	14
U. Maryland, College Park	11	25	12	13
U. North Carolina, Chapel Hill	11	25	6	19
Harvard U.	14	24	12	12
Pennsylvania State U.	14	24	7	17
U. Kansas	14	24	9	15
Ohio State U., Columbus	17	23	7	16
U. Michigan, Ann Arbor	17	23	11	12
U. San Diego	17	23	14	9
U. Washington, Seattle	20	22	7	15

- = no value (rank) possible.

^a Includes doctorate recipients who did not report sex.**Note(s):**

Tied institutions are listed alphabetically. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and new broad, major, and detailed fields are used in tables reporting data from 2021 to the present; see the field list in table A-4. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.