

Table 1-4. Research doctorate recipients, by trend broad field of doctorate and sex: Selected years, 1994–2024

(Number and percent)

Field and sex	1994		1999		2004		2009		2014		2019		2024	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All fields ^a	41,034	100.0	41,101	100.0	42,122	100.0	49,552	100.0	53,986	100.0	55,598	100.0	58,131	100.0
Male	25,058	61.1	23,438	57.0	22,965	54.5	26,331	53.1	29,008	53.7	30,105	54.1	29,885	51.4
Female	15,822	38.6	17,486	42.5	19,155	45.5	23,187	46.8	24,813	46.0	25,483	45.8	28,245	48.6
Science and engineering	27,331	100.0	27,198	100.0	27,842	100.0	35,369	100.0	40,708	100.0	42,897	100.0	45,929	100.0
Male	18,503	67.7	17,150	63.1	16,872	60.6	20,377	57.6	23,341	57.3	24,801	57.8	25,146	54.7
Female	8,701	31.8	9,923	36.5	10,969	39.4	14,962	42.3	17,228	42.3	18,088	42.2	20,782	45.2
Agricultural sciences and natural resources	1,357	100.0	1,266	100.0	1,209	100.0	1,343	100.0	1,380	100.0	1,538	100.0	1,478	100.0
Male	1,051	77.5	888	70.1	757	62.6	752	56.0	719	52.1	775	50.4	687	46.5
Female	304	22.4	373	29.5	452	37.4	589	43.9	660	47.8	763	49.6	791	53.5
Biological and biomedical sciences	5,371	100.0	5,760	100.0	6,185	100.0	8,335	100.0	8,868	100.0	8,678	100.0	9,700	100.0
Male	3,137	58.4	3,237	56.2	3,270	52.9	3,926	47.1	4,088	46.1	4,192	48.3	4,205	43.4
Female	2,216	41.3	2,505	43.5	2,915	47.1	4,403	52.8	4,747	53.5	4,485	51.7	5,494	56.6
Computer and information sciences	903	100.0	856	100.0	948	100.0	1,610	100.0	1,988	100.0	2,220	100.0	2,982	100.0
Male	762	84.4	692	80.8	749	79.0	1,260	78.3	1,580	79.5	1,711	77.1	2,185	73.3
Female	137	15.2	157	18.3	199	21.0	349	21.7	400	20.1	508	22.9	797	26.7
Engineering	5,820	100.0	5,330	100.0	5,776	100.0	7,642	100.0	9,626	100.0	10,298	100.0	11,169	100.0
Male	5,149	88.5	4,504	84.5	4,755	82.3	6,006	78.6	7,401	76.9	7,830	76.0	8,101	72.5
Female	635	10.9	788	14.8	1,021	17.7	1,631	21.3	2,184	22.7	2,466	23.9	3,068	27.5
Geosciences, atmospheric, and ocean sciences	791	100.0	723	100.0	686	100.0	877	100.0	1,098	100.0	1,272	100.0	1,229	100.0
Male	622	78.6	535	74.0	448	65.3	539	61.5	622	56.6	738	58.0	619	50.4
Female	162	20.5	185	25.6	238	34.7	338	38.5	475	43.3	533	41.9	610	49.6
Health sciences	1,072	100.0	1,179	100.0	1,419	100.0	1,725	100.0	2,236	100.0	2,532	100.0	2,509	100.0
Male	338	31.5	405	34.4	423	29.8	505	29.3	707	31.6	839	33.1	754	30.1
Female	725	67.6	766	65.0	996	70.2	1,218	70.6	1,523	68.1	1,693	66.9	1,755	69.9
Mathematics and statistics	1,118	100.0	1,083	100.0	1,076	100.0	1,553	100.0	1,874	100.0	2,010	100.0	2,093	100.0
Male	879	78.6	803	74.1	771	71.7	1,067	68.7	1,332	71.1	1,426	70.9	1,449	69.2
Female	236	21.1	277	25.6	305	28.3	483	31.1	534	28.5	584	29.1	644	30.8
Physical sciences	3,949	100.0	3,562	100.0	3,337	100.0	4,283	100.0	4,812	100.0	5,306	100.0	5,401	100.0
Male	3,104	78.6	2,722	76.4	2,472	74.1	2,994	69.9	3,346	69.5	3,624	68.3	3,543	65.6
Female	825	20.9	825	23.2	864	25.9	1,280	29.9	1,449	30.1	1,679	31.6	1,858	34.4
Psychology	3,379	100.0	3,668	100.0	3,327	100.0	3,472	100.0	3,724	100.0	3,909	100.0	4,083	100.0
Male	1,273	37.7	1,209	33.0	1,081	32.5	991	28.5	1,063	28.5	1,113	28.5	1,057	25.9
Female	2,101	62.2	2,449	66.8	2,246	67.5	2,481	71.5	2,648	71.1	2,796	71.5	3,026	74.1
Social sciences	3,571	100.0	3,771	100.0	3,879	100.0	4,529	100.0	5,102	100.0	5,134	100.0	5,285	100.0
Male	2,188	61.3	2,155	57.1	2,146	55.3	2,337	51.6	2,483	48.7	2,553	49.7	2,546	48.2
Female	1,360	38.1	1,598	42.4	1,733	44.7	2,190	48.4	2,608	51.1	2,581	50.3	2,739	51.8
Non-science and engineering	13,703	100.0	13,903	100.0	14,280	100.0	14,183	100.0	13,278	100.0	12,701	100.0	12,202	100.0

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(Number and percent)

Field and sex	1994		1999		2004		2009		2014		2019		2024	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male	6,555	47.8	6,288	45.2	6,093	42.7	5,954	42.0	5,667	42.7	5,304	41.8	4,739	38.8
Female	7,121	52.0	7,563	54.4	8,186	57.3	8,225	58.0	7,585	57.1	7,395	58.2	7,463	61.2
Business	1,283	100.0	1,109	100.0	1,256	100.0	1,405	100.0	1,584	100.0	1,528	100.0	1,400	100.0
Male	913	71.2	759	68.4	800	63.7	872	62.1	909	57.4	870	56.9	752	53.7
Female	365	28.4	343	30.9	456	36.3	533	37.9	669	42.2	658	43.1	648	46.3
Education	6,711	100.0	6,554	100.0	6,635	100.0	6,528	100.0	4,789	100.0	4,628	100.0	4,534	100.0
Male	2,612	38.9	2,339	35.7	2,264	34.1	2,161	33.1	1,468	30.7	1,419	30.7	1,225	27.0
Female	4,090	60.9	4,199	64.1	4,370	65.9	4,366	66.9	3,311	69.1	3,209	69.3	3,309	73.0
Humanities and arts	4,668	100.0	5,223	100.0	5,197	100.0	4,848	100.0	5,446	100.0	5,051	100.0	4,491	100.0
Male	2,537	54.3	2,728	52.2	2,538	48.8	2,373	48.9	2,721	50.0	2,478	49.1	2,156	48.0
Female	2,120	45.4	2,469	47.3	2,659	51.2	2,474	51.0	2,721	50.0	2,571	50.9	2,335	52.0
Other non-science and engineering	1,041	100.0	1,017	100.0	1,192	100.0	1,402	100.0	1,459	100.0	1,494	100.0	1,777	100.0
Male	493	47.4	462	45.4	491	41.2	548	39.1	569	39.0	537	35.9	606	34.1
Female	546	52.4	552	54.3	701	58.8	852	60.8	884	60.6	957	64.1	1,171	65.9

^a Field counts include doctorate recipients who did not report sex.

Note(s):

Due to rounding or doctorate recipients who did not report sex, percentages may not sum to 100. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection; the trend fields were constructed using the SED-CIP code crosswalk in table A-6. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information about the field taxonomy changes, see the "Technical Notes."

Source(s):

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