Table 3-6

Median years to non-science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2022

(Number and median years)

Time to degree and demographic characteristic	All fields		Non-science and engineering, total		Business		Education		Humanities		Visual and performing arts		Other non- science and engineering	
	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median
Years since bachelor's degree														
Doctorate														
recipients reporting year of bachelor's														
degree	54,514	8.6	10,985	12.3	1,312	10.8	3,697	15.5	3,179	11.3	798	11.3	1,999	11.6
Sex														
Male	28,906	8.3	4,540	12.0	730	10.7	1,094	14.7	1,595	11.4	348	11.0	773	11.5
Female	25,603	9.0	6,441	12.8	582	10.8	2,603	15.9	1,582	11.0	450	11.6	1,224	11.6
Citizenship status														
U.S. citizen or permanent resident	34,628	8.8	8,358	13.0	634	12.3	3,161	16.2	2,586	11.2	607	11.6	1,370	12.3
Temporary visa holder	19,075	8.4	2,429	10.8	645	9.9	481	12.3	546	11.3	172	10.2	585	10.4
Ethnicity and race (U.S. citizens and permanent residents)														
Hispanic or Latino	3,306	8.6	818	12.7	46	13.4	336	14.3	266	11.0	58	11.9	112	12.1
Not Hispanic or Latino														
American Indian or Alaska Native	94	10.9	37	15.0	D	D	22	16.6	D	D	D	D	8	15.1
Asian	3,505	8.6	555	12.3	108	11.4	160	14.2	125	12.7	52	11.4	110	11.6
Black or African	0.506	100	1 001	150	0.4	100	-75	160	100	110		10.6	100	140
American	-	12.0	1,021	15.0	84	18.0	575	16.0	139	11.3	30	10.6		14.0
White	23,050	8.6	5,458	13.0	361	11.3	1,912	16.8	1,891	11.1	426	12.0	868	12.0
More than one race	1,197	8.3	232	12.0	13	16.0	79	15.0	75	10.3	20	9.6	45	10.9
Other race or race not reported	389	9.3	90	13.0	D	D	24	16.9	D	D	D	).0 D	16	14.6
Ethnicity not reported	491	9.3	147	13.2	8	12.1	53	16.0	57	13.0	11	11.0	18	13.6
Years since entering graduate school		5.5	177	10.2	3	12.1	33	10.0	37	13.0	11	11.0	10	13.0

Table 3-6

## Median years to non-science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2022

(Number and median years)

Time to degree and demographic	All fields		Non-science and engineering, total		Business		Education		Humanities		Visual and performing arts		Other non- science and engineering	
characteristic	Number	Median	Number	Median	Number	Median	Number	Median	Number				Number	
Doctorate recipients reporting year of graduate school entry	52,899	7.2	10,484	10.1	1,260	8.8	3,481	12.3	3,042	9.8	766	9.7	1,935	9.7
Sex														
Male	28,100	7.0	4,331	9.8	703	8.8	1,023	11.8	1,516	9.8	333	9.1	756	9.5
Female	24,794	7.4	6,149	10.4	557	8.8	2,458	12.3	1,524	9.4	433	9.9	1,177	9.8
Citizenship status														
U.S. citizen or permanent resident	33,511	7.1	7,963	10.8	607	9.9	2,970	12.9	2,471	9.8	589	9.9	1,326	10.1
Temporary visa holder	18,596	7.3	2,323	8.9	620	8.3	440	9.2	527	9.7	168	8.6	568	8.9
Ethnicity and race (U.S. citizens and permanent residents)														
Hispanic or Latino	3,209	7.3	779	10.3	45	10.3	313	11.7	257	9.0	57	10.4	107	9.9
Not Hispanic or Latino														
American Indian or Alaska Native	83	9.3	31	10.3	D	D	18	11.9	D	D	D	D	7	9.8
Asian	3,427	7.0	540	10.7	106	8.8	157	12.2	118	11.0	50	9.7	109	9.6
Black or African American	2,526	9.7	974	12.0	81	14.3	546	12.8	132	9.3	30	10.5	185	11.8
White	22,567	7.0	5,276	10.8	350	9.6	1,821	13.3	1,833	9.7	418	9.9	854	10.0
More than one race	1,192	6.8	234	10.1	12	11.8	79	12.0	77	9.8	20	8.7	46	9.9
Other race or race not reported	308	7.9	79	10.3	D	D	22	11.7	D	D	D	D	12	7.6
Ethnicity not reported	199	7.8	50	11.7	2	15.9	14	13.9	24	11.5	4	11.6	6	9.2
Years since entering doctoral program <sup>a</sup>														

Table 3-6

## Median years to non-science and engineering research doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2022

(Number and median years)

Time to degree and demographic characteristic	All fields		Non-science and engineering, total		Business		Education		Humanities		Visual and performing arts		Other non- science and engineering	
	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median
Doctorate recipients reporting year of doctoral program entry <sup>b</sup>	51,963	5.7	10,292	5.9	1,231	5.0	3,417	5.6	2,998	6.8	759	6.8	1,887	5.7
Sex														
Male	27,563	5.7	4,243	5.9	687	5.0	999	5.3	1,489	6.8	330	6.3	738	5.7
Female	24,395	5.8	6,045	5.9	544	5.0	2,418	5.6	1,507	6.8	429	6.8	1,147	5.6
Citizenship status														
U.S. citizen or permanent resident	32,856	5.8	7,809	6.0	590	5.3	2,913	5.7	2,433	6.8	583	6.8	1,290	5.8
Temporary visa holder	18,327	5.3	2,289	5.7	608	5.0	433	5.1	523	6.7	168	5.3	557	5.3
Ethnicity and race (U.S. citizens and permanent residents)														
Hispanic or Latino	3,136	5.8	762	6.3	45	5.3	306	5.8	254	6.8	55	6.9	102	5.8
Not Hispanic or Latino														
American Indian or Alaska Native	80	6.5	29	6.8	D	D	16	6.9	D	D	D	D	7	7.3
Asian	3,358	5.8	534	6.0	103	5.8	157	5.8	115	7.3	50	7.8	109	5.9
Black or African American	2,443	5.8	935	5.8	77	6.1	527	5.8	126	6.4	30	6.4	175	5.3
White	22,180	5.8	5,194	6.0	341	5.0	1,793	5.3	1,809	6.8	415	6.8	836	5.8
More than one race	1,178	5.8	233	6.3	12	5.4	78	6.0	77	6.7	20	7.1	46	6.4
Other race or race not reported	291	6.0	74	6.6	D	D	22	6.0	D	D	D	D	10	5.9
Ethnicity not reported	190	5.8	48	6.2	2			4.2		7.0	4	8.6	5	

D = suppressed to avoid disclosure of confidential information.

<sup>&</sup>lt;sup>a</sup> Years since entering doctoral program is based on master's degree program entry if the master's degree was at the doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

<sup>&</sup>lt;sup>b</sup> Includes only cases with valid year of entry into master's program if master's degree was at the doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, includes only cases with valid year of doctoral program entry.

## Note(s)

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://ncses.nsf.gov/pubs/ncses23200).

## Source(s):

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