

Table 8-1. Science and engineering research doctorate recipients, statistical profile by sex and broad field of doctorate: 2025

(Number, percent, and median years)

Characteristic	All fields	Science and engineering											
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences
All doctorate recipients (number) ^a	59,015	47,272	1,325	9,950	3,002	10,876	1,192	2,911	2,069	1,781	5,332	3,941	4,893
Sex (%)													
Male	51.2	54.0	45.8	43.4	74.6	71.1	52.0	29.6	69.3	59.7	65.2	23.2	46.7
Female	48.8	46.0	54.2	56.6	25.4	28.9	48.0	70.4	30.7	40.3	34.8	76.8	53.3
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)													
U.S. citizen or permanent resident	61.4	59.0	56.8	72.7	36.2	44.3	69.9	72.7	45.6	47.5	58.3	81.0	60.9
Temporary visa holder	32.8	35.4	39.1	23.2	55.9	49.8	25.6	20.4	49.1	46.7	37.2	10.1	34.5
Unknown	5.8	5.6	4.1	4.1	7.8	5.9	4.5	6.9	5.3	5.8	4.5	9.0	4.6
Marital status (%)													
Never married	38.2	41.3	35.8	42.0	41.4	45.9	42.7	26.8	51.5	41.0	50.2	30.8	33.8
Married	36.1	33.7	39.8	33.5	31.5	32.0	32.1	47.0	26.4	34.9	26.2	34.3	40.2
Marriage-like relationship	10.0	10.6	10.3	13.5	7.9	8.2	12.9	7.0	9.3	9.2	11.4	13.5	11.1
Separated, divorced, widowed	3.1	2.4	2.3	2.0	1.7	1.3	2.6	5.3	1.2	2.6	1.6	4.3	4.5
Unknown	12.6	12.0	11.7	9.0	17.5	12.6	9.6	13.9	11.6	12.4	10.5	17.0	10.3
Has dependent age 18 or younger (%)	18.3	15.2	21.1	12.5	13.7	13.1	12.2	33.3	10.1	16.5	8.9	16.6	22.0
Has one or more functional limitations (%)	15.0	14.3	14.9	16.1	11.6	10.2	15.9	13.7	12.9	12.2	14.9	20.0	17.4
Age at doctorate (median years)	31.4	30.7	31.7	30.4	30.6	30.1	30.4	34.8	29.6	31.2	29.2	31.4	33.3
Bachelor's in same field as doctorate (%) ^b	60.6	64.2	49.7	65.0	38.8	78.6	52.6	46.2	80.0	12.9	77.9	70.5	54.7
Master's earned (%)	72.0	66.8	78.2	43.7	72.6	72.7	63.6	80.1	68.7	74.6	49.6	88.0	87.9
Master's earned at same doctorate institution (%)	44.0	47.3	35.4	35.3	46.6	51.2	47.7	30.9	54.3	45.9	56.5	63.7	44.5
Time to doctorate (median years)													
Years since earning bachelor's degree	8.6	8.0	8.6	8.0	8.1	7.4	7.8	11.3	7.0	8.4	6.8	8.8	10.3
From graduate school start	7.0	6.8	7.2	6.3	7.0	6.4	6.4	8.8	6.1	7.0	6.0	7.0	8.8
From doctoral program start ^c	5.8	5.7	4.9	5.8	5.7	5.3	5.7	5.0	5.7	5.5	5.8	5.9	6.0
Received tuition remission (%)	85.3	87.4	88.4	89.6	85.6	87.9	89.4	72.0	93.9	88.1	91.7	80.6	88.5

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Characteristic	All fields	Science and engineering											
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences
U.S. citizen or permanent resident	68.2	66.6	60.6	74.0	40.2	50.6	74.5	75.9	42.7	54.4	61.5	81.3	65.8
Temporary visa holder	25.7	27.7	35.0	22.0	51.4	42.9	21.0	17.4	51.3	40.3	34.1	9.6	29.7
Unknown	6.0	5.7	4.5	4.1	8.4	6.5	4.5	6.7	6.0	5.3	4.4	9.1	4.5
Marital status (%)													
Never married	34.6	37.5	39.4	40.4	35.5	43.2	45.3	24.9	44.4	35.8	48.0	30.1	32.5
Married	37.6	35.3	35.9	34.5	34.6	31.6	28.7	48.5	32.3	37.2	26.0	34.9	39.9
Marriage-like relationship	10.6	11.7	10.3	13.9	7.9	10.2	14.3	6.6	9.8	9.9	12.7	13.4	11.7
Separated, divorced, widowed	4.3	3.4	1.8	2.3	3.0	1.5	3.0	6.3	2.0	3.6	2.3	4.6	5.9
Unknown	12.8	12.1	12.5	8.9	19.1	13.6	8.7	13.6	11.5	13.4	11.0	17.0	9.9
Has dependent age 18 or younger (%)	19.1	15.5	15.2	11.9	14.9	10.2	10.3	35.3	12.4	18.3	7.8	16.5	20.8
Has one or more functional limitations (%)	16.9	16.4	17.0	16.7	14.1	12.2	18.4	14.1	14.8	15.0	16.4	19.3	19.7
Age at doctorate (median years)	31.7	30.7	31.2	30.1	31.1	29.6	29.9	35.7	29.7	31.7	28.8	31.2	33.3
Bachelor's in same field as doctorate (%) ^b	58.1	62.7	47.5	66.9	37.4	75.0	52.7	50.0	78.8	12.3	77.2	71.2	52.0
Master's earned (%)	73.7	67.3	76.4	42.9	78.2	69.6	59.7	82.6	74.8	76.5	48.1	88.7	89.0
Master's earned at same doctorate institution (%)	43.7	47.6	37.8	35.3	45.8	53.3	51.3	31.2	58.8	44.6	57.0	64.4	46.0
Time to doctorate (median years)													
Years since earning bachelor's degree	9.0	8.2	8.4	7.7	8.6	7.0	7.6	12.0	7.2	9.0	6.5	8.7	10.5
From graduate school start	7.3	6.8	6.9	6.3	7.3	6.3	6.3	9.0	6.3	7.3	5.8	6.9	8.9
From doctoral program start ^c	5.8	5.7	4.9	5.7	5.8	5.3	5.7	5.0	5.4	5.3	5.4	5.8	6.0
Received tuition remission (%)	83.8	86.4	90.5	89.1	86.1	88.6	91.3	69.7	94.5	88.6	92.8	80.4	88.2

^a All doctorate recipients includes doctorate recipients who did not report sex.
^b A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.
^c Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

Note(s):
Due to rounding, percentages may not sum to 100. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. 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.