

Table 8-5**Computer and information sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2021**

(Number, percent, and median years)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
All doctorate recipients (number) ^a	2,195	1,545	650
Sex (%)			
Male	76.0	78.3	70.8
Female	24.0	21.7	29.2
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	32.0	31.1	34.3
Temporary visa holder	60.8	61.7	58.6
Unknown	7.2	7.2	7.1
Marital status (%)			
Never married	38.8	40.2	35.4
Married	39.5	37.7	43.8
Marriage-like relationship	6.3	6.3	6.3
Separated, divorced, widowed	2.0	1.3	3.5
Unknown	13.4	14.4	10.9
Has dependent age 18 or younger (%)	21.0	18.5	26.8
Has one or more functional limitations (%)	9.9	8.9	12.1
Age at doctorate (median years)	31.3	30.9	32.3
Bachelor's in same field as doctorate (%) ^b	40.9	45.7	29.9
Master's earned (%)	77.6	76.6	80.0
Master's earned at same doctorate institution (%)	48.6	49.5	46.7
Time to doctorate (median years)			
Years since earning bachelor's degree	8.8	8.4	9.5
From graduate school start	7.3	7.3	7.8
From doctoral program start ^c	5.8	5.8	5.6
Received tuition remission (%)	85.1	87.2	80.4
Male doctorate recipients (number)	1,669	1,209	460
Citizenship status (%)			
U.S. citizen or permanent resident	30.7	30.3	31.7
Temporary visa holder	62.4	62.9	61.3
Unknown	6.9	6.9	7.0
Marital status (%)			
Never married	39.9	41.4	35.9
Married	38.9	36.5	45.4
Marriage-like relationship	6.4	D	D
Separated, divorced, widowed	1.7	D	D
Unknown	13.1	14.2	10.2
Has dependent age 18 or younger (%)	21.2	19.0	26.6
Has one or more functional limitations (%)	9.1	8.5	10.4
Age at doctorate (median years)	31.3	31.0	32.1
Bachelor's in same field as doctorate (%) ^b	41.7	46.1	30.5
Master's earned (%)	77.2	76.4	79.3
Master's earned at same doctorate institution (%)	48.8	50.0	45.8
Time to doctorate (median years)			
Years since earning bachelor's degree	8.6	8.3	9.4
From graduate school start	7.3	7.3	7.7

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Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
From doctoral program start ^c	5.8	5.8	5.5
Received tuition remission (%)	85.8	87.7	81.2
Female doctorate recipients (number)	526	336	190
Citizenship status (%)			
U.S. citizen or permanent resident	36.3	33.9	40.5
Temporary visa holder	55.5	57.4	52.1
Unknown	8.2	8.6	7.4
Marital status (%)			
Never married	35.2	35.7	34.2
Married	41.4	42.3	40.0
Marriage-like relationship	6.3	D	D
Separated, divorced, widowed	2.9	D	D
Unknown	14.3	15.2	12.6
Has dependent age 18 or younger (%)	20.6	16.7	27.3
Has one or more functional limitations (%)	12.4	10.0	16.5
Age at doctorate (median years)	31.4	30.8	32.9
Bachelor's in same field as doctorate (%) ^b	38.4	44.2	28.4
Master's earned (%)	78.9	77.3	81.8
Master's earned at same doctorate institution (%)	48.1	47.9	48.6
Time to doctorate (median years)			
Years since earning bachelor's degree	9.1	8.5	10.3
From graduate school start	7.4	7.0	8.3
From doctoral program start ^c	5.6	5.5	5.6
Received tuition remission (%)	82.8	85.3	78.4

D = suppressed to avoid disclosure of confidential information.

^a Includes respondents who did not report sex.^b A bachelor's degree is counted as in same field as doctorate if the fields of study of the doctorate recipient's first or most recent bachelor's degree and doctoral degree are both in the same broad field category.^c Time to doctorate from doctoral program start is based on master's degree 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.**Note(s):**

Due to rounding, 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, and the new broad, major, and detailed fields were used in tables reporting only the most recent data year. Therefore, the field of doctorate data in 2021 may not be comparable to prior years; see the "Technical Notes" for more information, table A-4 for a summary of SED-CIP codes in the new SED field taxonomy, table A-5 for a full list of SED-CIP codes in the new field taxonomy, and table A-6 for the SED-CIP code crosswalk to the historical field taxonomy.

Source(s):

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