

TABLE 8-5

Computer and information science research doctorate recipients, statistical profile by sex and major field of doctorate: 2023

(Number, percent, and median years)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
All doctorate recipients (number) ^a	2,297	1,605	692
Sex (%)			
Male	74.4	76.9	68.8
Female	25.6	23.1	31.2
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	35.7	34.5	38.4
Temporary visa holder	58.2	59.9	54.2
Unknown	6.1	5.5	7.4
Marital status (%)			
Never married	42.0	45.1	34.8
Married	35.7	34.5	38.7
Marriage-like relationship	6.1	5.7	6.8
Separated, divorced, widowed	2.4	1.7	3.8
Unknown	13.8	13.0	15.9
Has dependent age 18 or younger (%)	16.3	14.3	21.1
Has one or more functional limitations (%)	12.1	11.5	13.5
Age at doctorate (median years)	30.8	30.4	31.8
Bachelor's in same field as doctorate (%) ^b	38.8	43.2	28.2
Master's earned (%)	74.7	72.6	79.8
Master's earned at same doctorate institution (%)	50.1	52.5	45.0
Time to doctorate (median years)			
Years since earning bachelor's degree	8.2	8.0	9.3
From graduate school start	7.0	6.8	7.8
From doctoral program start ^c	5.7	5.7	5.6
Received tuition remission (%)	86.1	88.3	80.9
Male doctorate recipients (number)	1,710	1,234	476
Citizenship status (%)			
U.S. citizen or permanent resident	35.0	34.7	35.9
Temporary visa holder	59.6	60.5	57.1
Unknown	5.4	4.8	6.9
Marital status (%)			
Never married	44.2	46.6	37.8
Married	34.9	33.5	38.4
Marriage-like relationship	5.8	5.5	6.5
Separated, divorced, widowed	2.3	1.8	3.6
Unknown	12.9	12.6	13.7
Has dependent age 18 or younger (%)	15.7	13.8	20.8
Has one or more functional limitations (%)	11.8	11.2	13.5
Age at doctorate (median years)	30.6	30.4	31.4
Bachelor's in same field as doctorate (%) ^b	39.7	43.4	30.2
Master's earned (%)	73.4	71.9	77.1
Master's earned at same doctorate institution (%)	50.7	52.3	46.9
Time to doctorate (median years)			
Years since earning bachelor's degree	8.1	7.9	9.0
From graduate school start	6.9	6.8	7.3

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(Number, percent, and median years)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
From doctoral program start ^c	5.7	5.7	5.5
Received tuition remission (%)	86.9	89.3	80.8
Female doctorate recipients (number)	587	371	216
Citizenship status (%)			
U.S. citizen or permanent resident	37.6	34.0	44.0
Temporary visa holder	54.2	58.0	47.7
Unknown	8.2	8.1	8.3
Marital status (%)			
Never married	35.8	40.2	28.2
Married	38.2	37.5	39.4
Marriage-like relationship	6.8	6.5	7.4
Separated, divorced, widowed	2.6	1.6	4.2
Unknown	16.7	14.3	20.8
Has dependent age 18 or younger (%)	18.1	16.1	21.9
Has one or more functional limitations (%)	13.0	12.7	13.5
Age at doctorate (median years)	31.3	30.7	32.3
Bachelor's in same field as doctorate (%) ^b	35.7	42.6	23.5
Master's earned (%)	78.9	74.8	86.3
Master's earned at same doctorate institution (%)	48.5	53.3	41.0
Time to doctorate (median years)			
Years since earning bachelor's degree	8.9	8.3	10.0
From graduate school start	7.7	6.8	8.3
From doctoral program start ^c	5.7	5.7	5.6
Received tuition remission (%)	83.7	85.0	81.4

^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. 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 about the 2021 taxonomy change, see the "Technical Notes."

Source(s):

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