

TABLE 3-5

Reason for work-related training of early career doctorates, by position type, employment setting, and doctoral degree characteristics: 2017

(Percent distribution)

Selected characteristic	Number of early career doctorates	Received work-related training in the past year		Of those who received training, motivation for training						
		No	Yes	Improve capacity in current occupational field	Increase career advancement opportunities	Gain licensure or certification in current occupational field	Facilitate change to different occupational field	Required or expected by employer	Personal interest	Other reason
Science and engineering	112,600	42.9	57.1	81.8	50.9	14.0	10.9	36.3	33.1	14.5
Biological, agricultural, and environmental life sciences	28,900	40.9	59.1	84.3	53.1	15.0	15.3	36.4	34.7	13.4
Agricultural and environmental life sciences	3,900	34.9	65.1	81.0	55.1	17.1	15.5	41.6	42.1	12.0
Biological and biomedical sciences	24,900	41.8	58.2	84.9	52.8	14.7	15.2	35.5	33.3	13.6
Engineering	17,200	43.7	56.3	82.3	55.2	16.6	12.5	34.5	29.6	13.8
Mathematics and computer sciences	12,100	47.1	52.9	82.2	47.9	7.4	7.0	38.1	34.0	13.1
Computer and information sciences	5,900	48.6	51.4	80.9	44.6	9.0	5.5	33.1	31.7	18.7
Mathematics and statistics	6,200	45.7	54.3	83.4	50.9	6.0	8.4	42.5	36.0	8.2
Multidisciplinary fields and science and engineering related fields	2,600	46.4	53.6	79.0	58.4	21.6	11.1	35.2	23.9	S
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	20,600	44.5	55.5	76.9	50.5	11.5	13.4	35.3	32.8	16.7
Psychology and social sciences	31,200	41.1	58.9	82.4	47.2	14.8	5.8	37.1	34.2	15.8
Psychology	8,700	36.0	64.0	85.4	43.3	27.1	6.2	33.3	39.8	15.8
Social sciences	22,400	43.2	56.8	81.1	49.0	9.4	5.6	38.8	31.7	15.8
Health	13,400	23.1	76.9	90.0	53.7	51.3	15.3	41.7	42.5	12.0
Non-science and engineering	60,700	31.8	68.2	85.2	49.1	18.0	9.7	38.6	36.0	16.9
Education	21,100	22.4	77.6	91.9	44.3	18.7	11.9	36.6	39.9	13.6
Humanities	15,700	39.3	60.7	74.1	46.7	10.9	7.4	37.2	37.0	21.5
Other non-science and engineering	23,900	35.2	64.8	85.0	55.6	21.6	8.7	41.5	31.3	17.5
Position tenure										
1 year or less	25,700	34.8	65.2	85.5	50.6	20.6	11.9	38.4	34.2	15.7

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More than 1 year but less than 5 years	108,600	37.6	62.4	83.6	51.9	17.5	11.5	36.9	34.6	13.5
5 years or more	52,400	39.8	60.2	83.1	47.3	20.4	8.9	38.6	36.1	18.2

S = suppressed for reliability; coefficient of variation exceeds publication standards.

FFRDC = federally funded research and development center.

^a Other faculty, no rank or tenure, positions includes all other faculty positions such as instructors, lecturers, and adjuncts. Postdoctoral scholar positions are temporary positions in academe, industry, government, or a nonprofit organization primarily for gaining additional education and training in research. Other positions are diverse but are typically university administrators and staff.

^b Academic institutions include U.S. academic institutions in the Survey of Graduate Students and Postdoctorates in Science and Engineering that grant master's and doctorate degrees in science, engineering, and health-related fields.

^c Includes medical and related degrees, such as Medical Doctors (MD), Doctor of Pharmacy (PharmD), and other professional degrees such as Doctor of Education (EdD).

Note(s):

Counts are rounded to the nearest 100. Percentages are calculated from unrounded counts and rounded to the nearest 10th of a percent. Details may not add to totals because of rounding.

Source(s):

National Center for Science and Engineering Statistics, Early Career Doctorates Survey, 2017.