

Appendix table 5-38

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S&E doctorate holders employed in academia with federal support, by degree field, years since doctorate, and type of position: 1973–2003

(Percent)

Field	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full time	Postdocs	All positions	Full-time faculty	Other full time	Postdocs
All fields								
1973	44.1	32.9	72.5	87.1	44.6	42.4	65.8	91.1
1975	44.2	31.1	58.3	87.8	42.5	40.0	66.2	83.2
1977	44.5	28.8	61.2	87.0	42.2	37.8	71.6	85.3
1979	47.2	29.6	58.9	86.6	43.0	37.4	67.3	83.1
1981	51.0	30.8	63.1	87.9	46.5	41.2	64.8	86.9
1983	50.2	33.7	59.0	86.1	50.1	45.3	68.1	84.8
1985 ^a	43.2	23.9	59.3	79.1	42.4	36.2	63.3	81.0
1987	53.3	36.7	56.1	82.0	54.8	49.7	71.6	84.2
1989	57.2	38.7	58.7	84.7	57.8	53.5	70.0	89.1
1991	53.6	38.3	56.6	83.8	57.4	53.4	66.6	88.7
1993 ^a	43.5	20.8	43.7	80.7	41.1	34.0	46.8	87.3
1995 ^a	47.0	23.2	40.1	78.5	43.9	36.1	52.0	86.0
1997 ^a	45.3	21.0	42.4	74.1	41.9	33.7	49.6	78.5
1999	52.8	28.8	45.5	79.5	47.4	41.4	46.6	83.3
2001	48.4	29.4	45.5	73.4	46.1	39.8	50.7	78.6
2003	48.6	30.5	45.5	77.6	47.6	42.4	55.4	80.8
Physical sciences								
1973	58.4	31.2	78.3	88.5	44.8	39.5	72.1	98.5
1975	64.1	27.9	60.7	93.2	43.8	36.6	77.3	85.1
1977	63.2	28.9	95.7	88.5	51.6	40.5	77.5	92.4
1979	59.1	25.5	73.7	84.7	52.0	39.0	72.1	91.7
1981	69.3	25.2	94.3	88.1	57.9	49.4	84.5	97.9
1983	70.4	33.8	82.7	88.2	66.2	56.3	85.3	84.8
1985 ^a	64.3	18.7	86.6	84.6	50.8	35.7	78.7	91.4
1987	80.9	66.7	69.9	90.2	68.7	56.0	97.1	93.1
1989	77.9	49.2	82.1	88.0	72.4	61.9	89.0	90.6
1991	69.9	44.1	78.8	87.2	67.2	55.1	88.5	100.0
1993 ^a	63.1	21.3	64.9	84.5	58.2	43.9	70.0	94.5
1995 ^a	62.8	21.0	41.9	84.1	53.9	37.8	60.2	86.7
1997 ^a	64.2	30.0	71.4	77.7	53.4	41.2	67.9	96.5
1999	68.0	39.3	69.9	80.5	57.0	46.7	65.5	89.4
2001	62.2	31.0	55.4	80.9	54.1	39.4	73.9	83.7
2003	59.2	39.1	42.4	78.4	51.1	44.1	61.5	67.1
Mathematics								
1973	17.5	16.3	58.5	38.7	29.0	29.4	15.4	100.0
1975	14.5	13.0	37.6	28.3	18.9	18.5	0.0	57.9
1977	16.2	12.2	45.9	56.4	19.2	17.6	82.0	52.2
1979	24.8	22.5	52.9	42.5	32.3	30.2	64.9	46.9
1981	10.8	9.5	0.0	44.1	29.7	27.6	62.7	81.5
1983	31.8	29.8	7.1	73.4	39.8	39.8	51.3	100.0
1985 ^a	14.7	14.1	—	34.6	27.0	26.8	26.7	100.0
1987	15.6	7.4	81.8	37.6	34.9	35.5	7.3	10.3
1989	29.1	24.9	53.8	52.4	39.0	39.1	78.6	100.0
1991	39.8	35.8	54.9	80.4	28.3	28.6	40.9	—
1993 ^a	15.7	14.8	0.0	100.0	15.2	14.0	100.0	—
1995 ^a	17.7	13.4	0.0	40.0	25.6	19.6	42.4	70.6
1997 ^a	14.9	3.5	29.1	32.9	16.7	14.9	0.0	42.2
1999	36.4	24.0	0.0	58.7	32.2	33.5	0.0	47.2
2001	34.6	21.6	34.6	56.3	42.2	38.6	62.4	100.0
2003	37.0	25.7	24.3	67.7	33.9	36.2	0.0	54.1
Computer sciences								
1973	NA	NA	NA	NA	NA	NA	NA	NA
1975	NA	NA	NA	NA	NA	NA	NA	NA
1977	NA	NA	NA	NA	NA	NA	NA	NA
1979	34.8	25.0	—	57.1	—	—	—	—
1981	27.7	24.1	25.0	100.0	52.4	52.4	—	—
1983	45.7	35.1	60.0	100.0	43.5	40.4	92.3	—

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S&E doctorate holders employed in academia with federal support, by degree field, years since doctorate, and type of position: 1973–2003

(Percent)

Field	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full time	Postdocs	All positions	Full-time faculty	Other full time	Postdocs
1985 ^a	54.1	46.4	77.2	0.0	36.7	31.0	100.0	—
1987.....	47.2	46.3	42.0	100.0	73.2	66.3	100.0	0.0
1989.....	33.0	29.3	50.0	100.0	70.8	78.0	35.7	100.0
1991.....	23.1	23.1	25.1	—	66.2	63.9	100.0	100.0
1993 ^a	44.7	39.5	100.0	100.0	30.7	30.9	27.3	100.0
1995 ^a	38.2	31.4	61.1	75.9	38.1	38.3	23.9	—
1997 ^a	40.5	29.7	74.3	97.0	40.4	37.7	75.6	—
1999.....	59.7	50.6	77.5	100.0	56.6	56.5	85.9	—
2001.....	31.4	25.9	44.2	100.0	49.2	47.3	53.2	—
2003.....	41.7	32.6	22.2	95.8	43.6	40.8	59.2	—
Earth, atmospheric, and ocean sciences								
1973.....	53.7	44.0	73.1	87.1	53.4	50.6	77.5	100.0
1975.....	50.7	38.4	85.3	74.2	54.0	49.8	97.0	100.0
1977.....	44.3	22.5	60.5	94.4	46.9	38.3	82.1	100.0
1979.....	67.2	41.3	97.3	96.7	49.6	43.1	72.3	100.0
1981.....	66.1	43.2	79.7	100.0	57.2	53.3	72.7	0.0
1983.....	61.8	36.7	75.7	92.8	64.5	59.5	100.0	66.7
1985 ^a	56.0	33.4	83.9	96.4	59.6	50.6	81.2	100.0
1987.....	64.2	42.3	87.9	89.6	71.1	61.9	88.9	100.0
1989.....	70.4	52.8	88.5	90.1	81.2	78.0	92.9	93.8
1991.....	76.0	61.7	100.0	77.4	76.6	75.3	100.0	64.1
1993 ^a	68.2	33.0	97.8	74.2	59.9	50.2	72.6	100.0
1995 ^a	65.4	35.8	87.4	88.0	66.4	58.9	86.2	100.0
1997 ^a	67.3	35.0	74.7	94.2	57.1	49.4	70.7	69.4
1999.....	61.7	42.9	89.7	79.8	65.3	62.7	75.6	55.5
2001.....	80.7	64.0	84.2	90.0	54.1	48.7	69.3	95.6
2003.....	73.8	49.1	82.8	89.4	67.9	68.8	70.9	100.0
Life sciences								
1973.....	60.8	48.3	77.0	89.0	59.7	57.3	75.1	89.2
1975.....	61.8	46.4	72.5	87.6	60.1	57.6	76.2	87.5
1977.....	61.6	38.1	70.4	88.9	59.6	56.6	73.3	90.2
1979.....	65.9	40.6	75.8	85.9	57.3	51.4	76.5	84.2
1981.....	71.8	51.7	76.5	88.1	64.0	58.8	70.8	85.7
1983.....	68.2	52.8	65.1	84.7	67.1	64.5	72.6	83.7
1985 ^a	59.6	34.1	67.2	78.9	61.1	55.6	72.3	81.7
1987.....	70.2	53.5	73.8	82.1	71.4	68.3	81.0	83.0
1989.....	74.5	50.2	79.3	89.1	71.9	67.5	79.1	89.3
1991.....	68.1	49.9	60.0	83.0	70.6	66.8	79.2	86.3
1993 ^a	61.2	32.2	44.8	81.9	55.7	46.4	52.0	86.7
1995 ^a	58.5	30.3	35.3	80.3	54.0	43.9	47.4	87.4
1997 ^a	58.3	23.0	42.2	77.5	52.3	42.4	48.4	78.8
1999.....	65.0	35.0	46.2	82.4	57.2	47.2	49.3	83.0
2001.....	59.2	34.2	39.0	76.8	56.4	48.9	49.5	78.8
2003.....	62.4	36.7	52.3	81.7	57.2	49.9	57.5	83.0
Psychology								
1973.....	34.3	28.5	59.7	95.3	37.8	36.9	52.1	71.4
1975.....	35.0	25.5	53.7	88.5	35.3	34.9	32.8	71.2
1977.....	35.3	26.8	71.7	86.0	31.5	27.9	60.5	73.0
1979.....	35.2	22.5	22.2	95.5	39.3	31.4	76.5	87.6
1981.....	46.5	33.2	41.6	93.4	34.7	28.6	54.5	88.2
1983.....	31.2	19.8	34.2	89.3	32.3	28.2	37.1	87.2
1985 ^a	30.6	15.6	44.5	70.1	29.2	26.2	38.7	72.5
1987.....	37.5	28.5	28.8	82.7	33.2	25.6	40.3	97.9
1989.....	41.7	34.6	36.1	64.9	36.1	36.7	33.1	63.1
1991.....	35.9	23.9	24.3	100.0	38.8	38.6	24.8	86.9
1993 ^a	21.6	12.0	27.5	61.6	23.2	24.6	15.5	48.2
1995 ^a	33.5	17.5	40.6	63.5	26.1	21.8	36.0	82.1
1997 ^a	34.5	24.2	19.0	70.9	29.5	22.3	36.4	77.3

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(Percent)

Field	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full time	Postdocs	All positions	Full-time faculty	Other full time	Postdocs
1999	33.4	22.4	29.9	63.6	35.6	34.7	23.8	100.0
2001	35.5	20.0	41.7	64.1	34.9	32.6	42.7	45.6
2003	31.2	26.6	28.8	61.1	37.5	32.4	46.9	100.0
Social sciences								
1973	24.7	23.7	53.7	23.9	29.0	28.7	34.1	93.1
1975	23.1	22.5	29.0	61.7	26.2	26.2	42.4	39.2
1977	24.8	24.2	12.3	61.4	24.6	23.2	56.3	48.0
1979	26.6	22.8	37.6	97.5	20.8	19.2	52.2	70.8
1981	20.4	16.3	48.7	56.0	24.3	24.3	25.2	60.0
1983	28.2	23.6	49.0	77.9	28.1	23.6	57.5	93.8
1985 ^a	15.6	12.3	27.8	44.4	19.3	15.7	51.0	41.0
1987	22.5	20.9	34.5	21.4	29.9	27.7	54.0	0.0
1989	25.6	24.7	24.3	41.9	33.2	31.6	51.4	83.9
1991	21.7	19.5	38.8	31.7	36.6	33.8	44.2	100.0
1993 ^a	11.2	7.2	25.4	88.2	14.9	14.4	21.9	100.0
1995 ^a	15.9	10.7	28.8	80.8	17.8	16.0	41.8	49.8
1997 ^a	14.1	10.9	26.8	33.7	17.4	15.6	26.3	57.7
1999	21.1	15.2	26.1	77.1	22.8	21.7	31.3	48.1
2001	20.5	21.2	24.0	41.8	21.2	20.3	28.0	63.3
2003	18.3	14.7	34.5	38.6	22.7	22.3	32.0	49.8
Engineering								
1973	50.8	45.2	74.2	87.1	50.7	49.9	78.6	66.7
1975	53.7	48.9	65.8	83.8	54.4	53.1	82.3	100.0
1977	55.2	47.2	84.8	72.9	52.9	52.3	64.8	64.9
1979	55.5	48.5	71.9	99.4	55.1	58.8	33.8	16.9
1981	54.4	43.2	100.0	100.0	65.6	61.9	83.9	100.0
1983	47.1	36.7	58.2	98.3	64.3	62.2	99.0	100.0
1985 ^a	43.9	37.8	66.1	94.5	47.6	46.3	66.4	0.0
1987	53.3	43.7	79.2	75.7	65.5	64.2	97.6	100.0
1989	56.0	48.9	71.9	73.3	70.8	68.6	91.8	100.0
1991	66.6	62.1	67.7	89.9	73.2	73.0	79.7	100.0
1993 ^a	43.4	32.1	65.1	68.7	51.2	49.4	65.9	70.3
1995 ^a	51.1	38.5	50.3	72.6	62.1	60.3	72.5	86.5
1997 ^a	50.0	35.5	66.4	66.3	51.3	48.4	62.5	60.5
1999	58.5	40.0	70.9	78.1	55.5	56.4	44.8	94.2
2001	54.9	49.1	77.0	57.1	58.3	59.2	54.9	74.2
2003	56.1	47.7	60.5	71.2	64.3	61.6	72.7	100.0

— = too few cases; NA = not available

*Not comparable with other years and understates degree of federal support by asking whether work performed during week of April 15 was supported by government. In other years, question pertains to work conducted over course of year.

NOTES: Recent doctorate-holders defined as having earned doctorate within either 3 years or 4–7 years preceding survey year. Full-time faculty includes full, associate, and assistant professors plus instructors. Other full-time positions include nonfaculty appointments such as research associates, adjunct appointments, lecturers, and administrative positions.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, special tabulations.