

Graduate field of study, by sex

Changing opportunities within the job market affect the fields in which males and females choose to earn a graduate degree. The female field concentration ratio shows how much the fields studied by females differ from those studied by males. A ratio above 1.0 indicates that females are more likely than males to major in a field, and a ratio below 1.0 indicates the opposite pattern. Changes in the ratio show whether differences in the field preferences of males and females are narrowing or widening, and also may indicate changes in females' occupations and earning potential compared to those of males.

- Overall, in 1994, substantially more females than males earned graduate degrees in education and health professions. A higher proportion of males than females earned graduate degrees in natural sciences, computer sciences and engineering, and business management.
- Between 1970 and 1986, the difference in the proportion of men and women earning master's degrees in computer sciences and engineering narrowed each year. Since 1986, it has remained stable with males being five times more likely than females to earn a master's degree in computer sciences and engineering.
- Although differences in the proportions of males and females earning master's degrees in business management narrowed between 1971 and the mid-1980s when the trend leveled off, males were still twice as likely as females to earn a master's degree in business management in 1994.
- From 1971 to 1983, a higher percentage of males than females earned master's degrees in the social and behavioral sciences. From 1984 to 1994, a higher percentage of females than males earned master's degrees in this field. At the doctorate level, females have been consistently more likely to earn a degree in the social and behavioral sciences since 1971 (see supplemental table 28-1).

Female field concentration ratio¹ of graduate degrees conferred, by field of study and degree level: Selected academic years ending 1971–94

Field of study and degree level	1971	1974	1977	1980	1983	1986	1989	1992	1993	1994
Master's degrees										
Humanities	1.58	1.34	1.17	1.08	1.06	1.12	1.06	1.08	1.08	1.09
Social/behavioral sciences	0.69	0.67	0.76	0.88	0.99	1.08	1.07	1.05	1.08	1.10
Natural sciences	0.48	0.43	0.44	0.43	0.48	0.53	0.56	0.54	0.55	0.55
Computer sciences and engineering	0.03	0.05	0.07	0.11	0.15	0.20	0.19	0.19	0.19	0.19
Education	1.92	1.99	2.18	2.42	2.64	2.66	2.84	2.84	2.81	2.75
Business management	0.06	0.09	0.19	0.30	0.41	0.45	0.47	0.46	0.47	0.48
Health professions	1.85	2.00	2.37	2.66	3.01	3.16	3.29	3.30	3.31	3.19
Other technical/professional ²	1.56	1.24	1.04	1.10	1.22	1.27	1.30	1.33	1.35	1.33
Doctor's degrees										
Humanities	1.89	1.71	1.41	1.10	1.09	1.08	1.05	1.13	1.13	1.09
Social/behavioral sciences	1.29	1.28	1.29	1.30	1.38	1.42	1.48	1.50	1.56	1.54
Natural sciences	0.67	0.63	0.56	0.56	0.59	0.58	0.64	0.69	0.70	0.69
Computer sciences and engineering	0.04	0.08	0.11	0.11	0.11	0.15	0.18	0.19	0.18	0.21
Education	1.60	1.52	1.61	1.86	1.99	2.10	2.32	2.47	2.35	2.48
Business management	0.17	0.24	0.21	0.41	0.41	0.52	0.65	0.51	0.63	0.63
Health professions	1.19	1.24	1.46	1.91	1.57	1.94	2.35	2.33	2.18	2.25
Other technical/professional ²	0.76	0.70	0.88	0.87	0.83	1.00	0.98	1.01	1.09	1.07

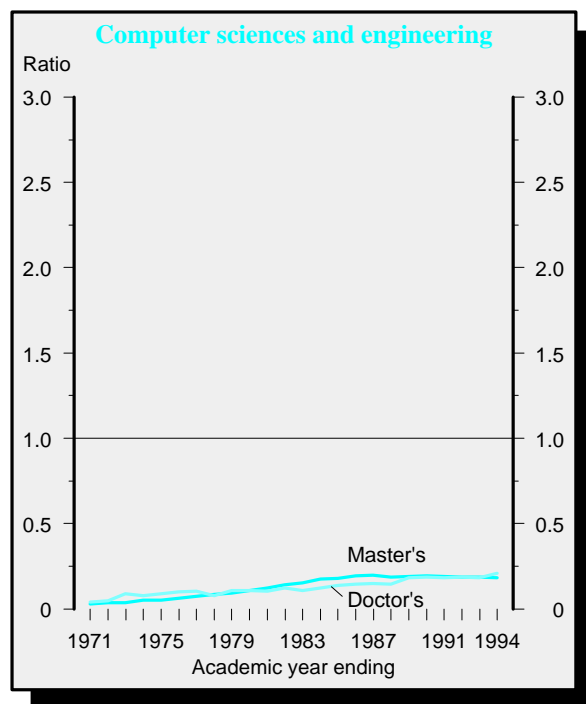
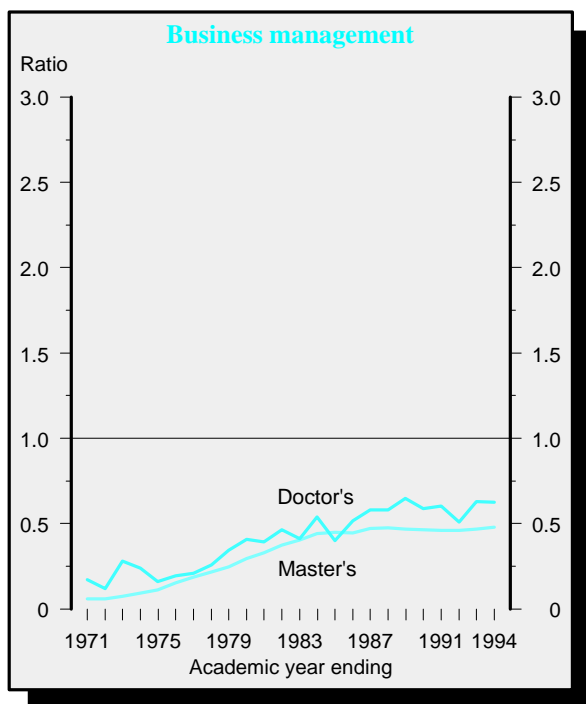
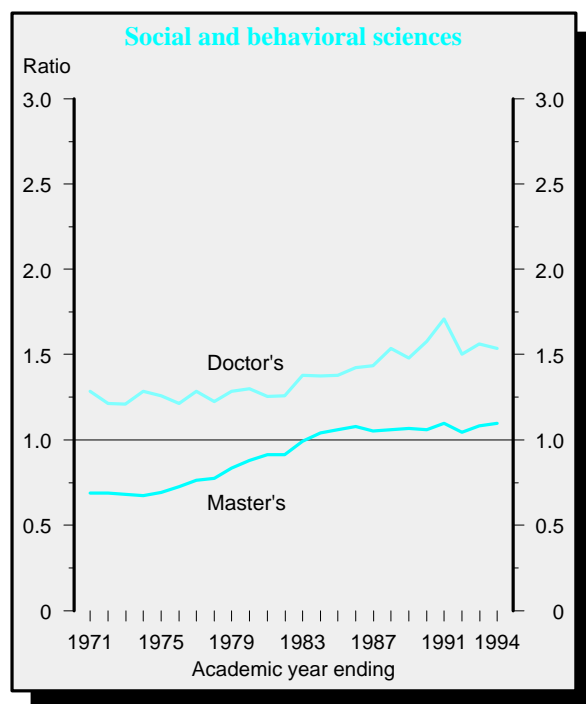
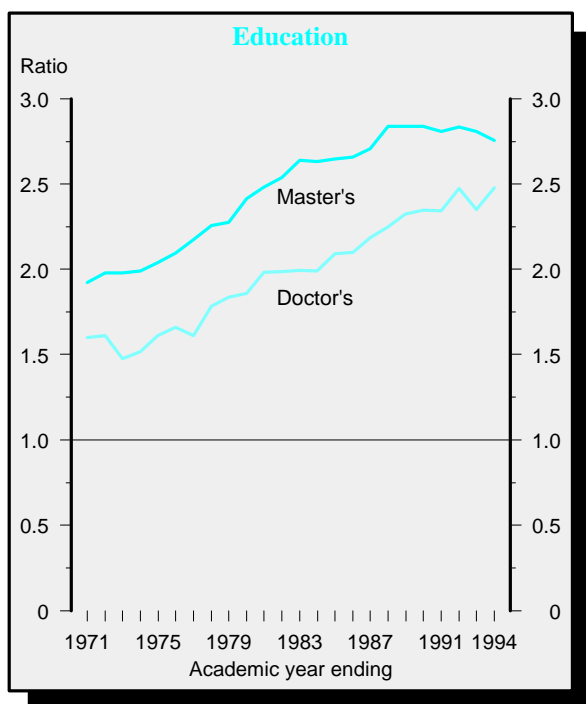
¹ The female field concentration ratio is calculated as the percentage of females earning degrees who majored in a specific field divided by the percentage of males earning degrees who majored in the same field. Includes degrees conferred to U.S. and non-U.S. citizens.

² Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

NOTE: See the supplemental note to *Indicator 27* for a description of the fields of study.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996* (based on IPEDS/HEGIS "Completions" surveys).

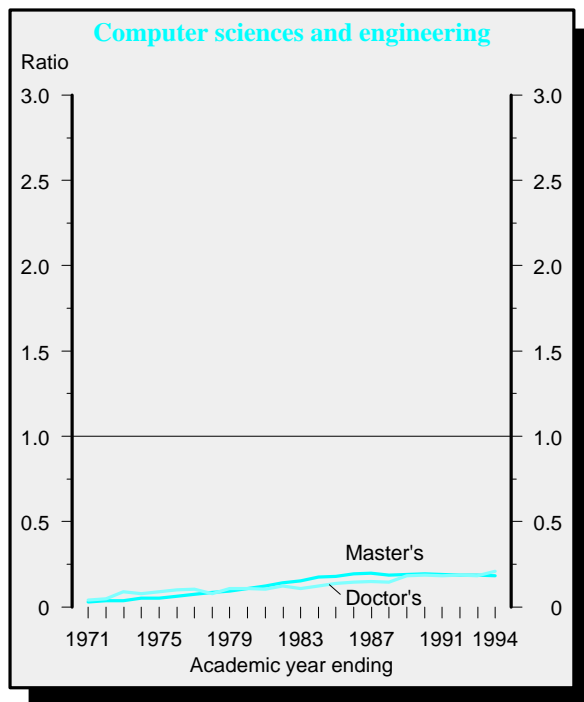
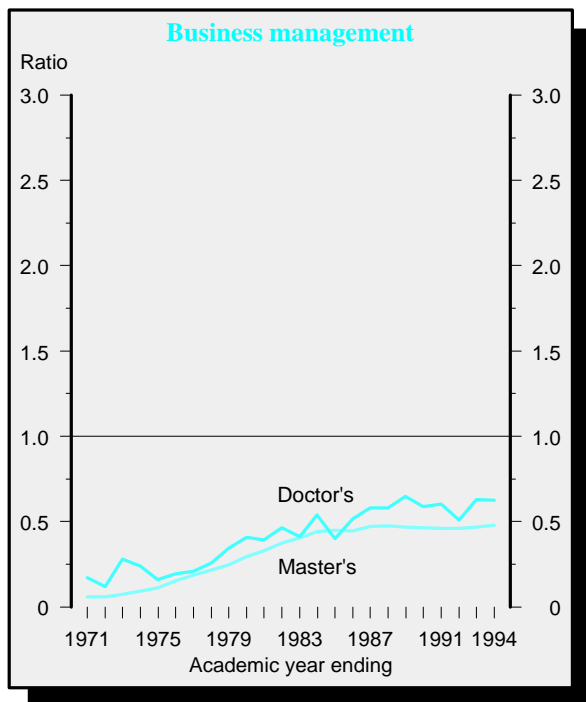
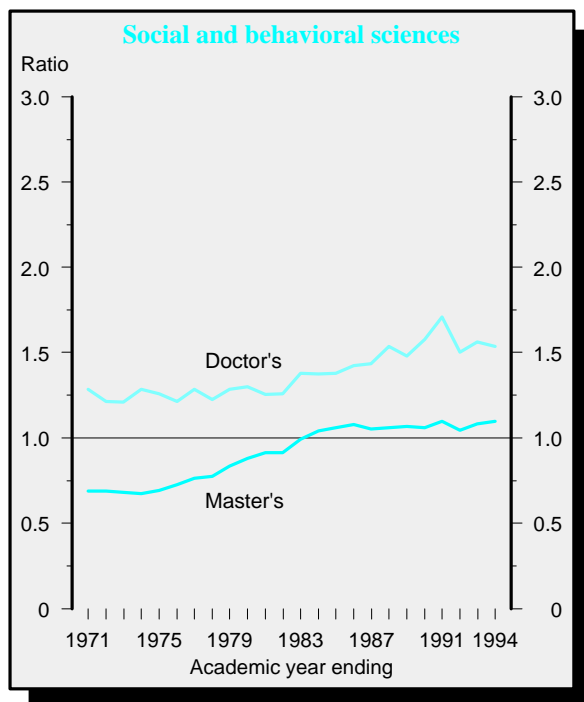
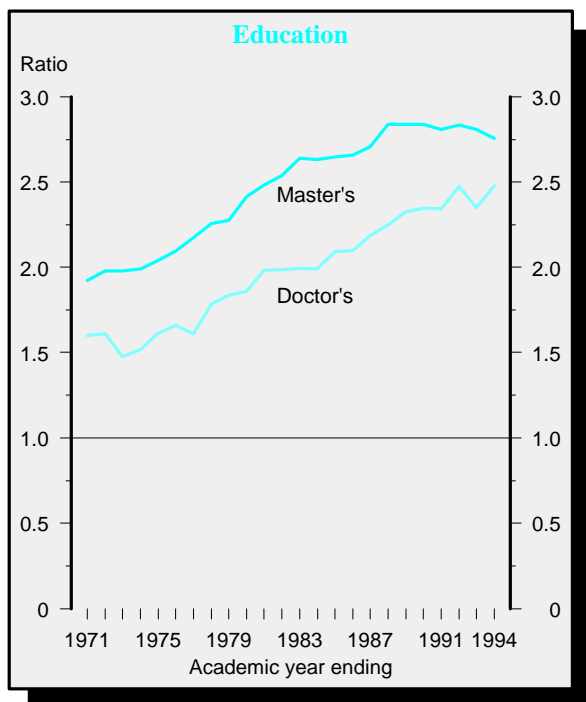
Female field concentration ratio* of graduate degrees conferred: Academic years ending 1971-94



* The female field concentration ratio is calculated as the percentage of females earning degrees who majored in a specific field divided by the percentage of males earning degrees who majored in the same field. Includes degrees conferred to U.S. and non-U.S. citizens.

NOTE: See the supplemental note to *Indicator 27* for a description of the fields.
SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996* (based on IPEDS/HEGIS "Completions" surveys).

Female field concentration ratio* of graduate degrees conferred: Academic years ending 1971-94



* The female field concentration ratio is calculated as the percentage of females earning degrees who majored in a specific field divided by the percentage of males earning degrees who majored in the same field. Includes degrees conferred to U.S. and non-U.S. citizens.

NOTE: See the supplemental note to *Indicator 27* for a description of the fields.
SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996* (based on IPEDS/HEGIS "Completions" surveys).

Female field concentration ratio¹ of graduate degrees conferred, by field of study and degree level: Selected academic years ending 1971–94

Field of study and degree level	1971	1974	1977	1980	1983	1986	1989	1992	1993	1994
Master's degrees										
Humanities	1.58	1.34	1.17	1.08	1.06	1.12	1.06	1.08	1.08	1.09
Social/behavioral sciences	0.69	0.67	0.76	0.88	0.99	1.08	1.07	1.05	1.08	1.10
Natural sciences	0.48	0.43	0.44	0.43	0.48	0.53	0.56	0.54	0.55	0.55
Computer sciences and engineering	0.03	0.05	0.07	0.11	0.15	0.20	0.19	0.19	0.19	0.19
Education	1.92	1.99	2.18	2.42	2.64	2.66	2.84	2.84	2.81	2.75
Business management	0.06	0.09	0.19	0.30	0.41	0.45	0.47	0.46	0.47	0.48
Health professions	1.85	2.00	2.37	2.66	3.01	3.16	3.29	3.30	3.31	3.19
Other technical/professional ²	1.56	1.24	1.04	1.10	1.22	1.27	1.30	1.33	1.35	1.33
Doctor's degrees										
Humanities	1.89	1.71	1.41	1.10	1.09	1.08	1.05	1.13	1.13	1.09
Social/behavioral sciences	1.29	1.28	1.29	1.30	1.38	1.42	1.48	1.50	1.56	1.54
Natural sciences	0.67	0.63	0.56	0.56	0.59	0.58	0.64	0.69	0.70	0.69
Computer sciences and engineering	0.04	0.08	0.11	0.11	0.11	0.15	0.18	0.19	0.18	0.21
Education	1.60	1.52	1.61	1.86	1.99	2.10	2.32	2.47	2.35	2.48
Business management	0.17	0.24	0.21	0.41	0.41	0.52	0.65	0.51	0.63	0.63
Health professions	1.19	1.24	1.46	1.91	1.57	1.94	2.35	2.33	2.18	2.25
Other technical/professional ²	0.76	0.70	0.88	0.87	0.83	1.00	0.98	1.01	1.09	1.07

¹ The female field concentration ratio is calculated as the percentage of females earning degrees who majored in a specific field divided by the percentage of males earning degrees who majored in the same field. Includes degrees conferred to U.S. and non-U.S. citizens.

² Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

NOTE: See the supplemental note to *Indicator 27* for a description of the fields of study.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996* (based on IPEDS/HEGIS surveys of degrees conferred).

Table 28-1 Female field concentration ratio¹ of master's degrees conferred, by field of study: Academic years ending 1971-94

Field of study	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Humanities	1.58	1.52	1.45	1.34	1.32	1.24	1.17	1.16	1.12	1.08	1.03	1.08
Social and behavioral sciences	0.69	0.69	0.68	0.67	0.69	0.73	0.76	0.77	0.84	0.88	0.91	0.92
Natural sciences	0.48	0.48	0.44	0.43	0.41	0.41	0.44	0.42	0.44	0.43	0.43	0.45
Life sciences	0.76	0.72	0.62	0.58	0.53	0.54	0.57	0.59	0.62	0.60	0.63	0.69
Physical sciences	0.23	0.24	0.22	0.22	0.21	0.20	0.22	0.22	0.23	0.23	0.26	0.27
Mathematics	0.56	0.58	0.56	0.53	0.54	0.53	0.55	0.50	0.49	0.51	0.45	0.43
Computer sciences and engineering	0.03	0.04	0.04	0.05	0.05	0.06	0.07	0.09	0.09	0.11	0.12	0.14
Computer and information sciences	0.17	0.19	0.17	0.20	0.21	0.20	0.22	0.25	0.24	0.27	0.30	0.35
Engineering	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10
Technical/professional	1.27	1.25	1.26	1.26	1.24	1.23	1.23	1.24	1.22	1.23	1.24	1.25
Education	1.92	1.98	1.98	1.99	2.04	2.10	2.18	2.26	2.28	2.42	2.48	2.54
Business management	0.06	0.06	0.07	0.09	0.11	0.15	0.19	0.22	0.25	0.30	0.33	0.38
Health professions	1.85	1.90	1.91	2.00	1.99	2.29	2.37	2.53	2.54	2.66	2.80	3.03
Other technical/professional ²	1.56	1.46	1.34	1.24	1.15	1.08	1.04	1.07	1.08	1.10	1.14	1.15

Field of study	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Humanities	1.06	1.08	1.12	1.12	1.06	1.06	1.06	1.06	1.09	1.08	1.08	1.09
Social and behavioral sciences	0.99	1.04	1.06	1.08	1.05	1.06	1.07	1.06	1.10	1.05	1.08	1.10
Natural sciences	0.48	0.52	0.52	0.53	0.55	0.54	0.56	0.55	0.55	0.54	0.55	0.55
Life sciences	0.77	0.82	0.91	0.91	0.91	0.92	0.92	0.93	0.92	0.91	0.87	0.92
Physical sciences	0.27	0.31	0.30	0.32	0.32	0.31	0.34	0.32	0.33	0.32	0.35	0.35
Mathematics	0.47	0.50	0.49	0.50	0.57	0.58	0.57	0.55	0.56	0.54	0.55	0.51
Computer sciences and engineering	0.15	0.18	0.18	0.20	0.20	0.19	0.19	0.20	0.19	0.19	0.19	0.19
Computer and information sciences	0.39	0.42	0.40	0.42	0.40	0.35	0.36	0.35	0.36	0.32	0.31	0.29
Engineering	0.10	0.12	0.12	0.13	0.14	0.13	0.14	0.14	0.14	0.15	0.15	0.15
Technical/professional	1.25	1.25	1.26	1.26	1.28	1.29	1.28	1.28	1.27	1.27	1.27	1.27
Education	2.64	2.63	2.64	2.66	2.71	2.84	2.84	2.84	2.81	2.84	2.81	2.75
Business management	0.41	0.44	0.45	0.45	0.47	0.48	0.47	0.47	0.46	0.46	0.47	0.48
Health professions	3.01	3.16	3.23	3.16	3.58	3.41	3.29	3.14	3.24	3.30	3.31	3.19
Other technical/professional ²	1.22	1.25	1.29	1.27	1.28	1.27	1.30	1.32	1.30	1.33	1.35	1.33

¹ The female field concentration ratio is calculated as the percentage of females earning degrees who majored in a specific field divided by the percentage of males earning degrees who majored in the same field. Includes degrees conferred to U.S. and non-U.S. citizens.

² Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

NOTE: See the supplemental note to *Indicator 27* for a description of fields of study.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996*, table 263 (based on IPEDS/HEGIS "Completions" surveys).

**Table 28-2 Percentage distribution of master's degrees conferred, by field of study and sex:
Academic years ending 1971-94**

Field of study	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Female												
Total number of degrees	92,363	102,083	108,903	119,191	130,880	144,523	149,381	150,408	147,709	147,332	148,696	150,014
Total percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Humanities	16.3	15.2	13.9	13.2	12.5	11.2	10.6	10.4	10.0	10.0	9.6	9.9
Social and behavioral sciences	7.6	7.6	7.5	7.4	7.2	7.0	7.2	7.0	7.0	6.9	7.2	7.1
Natural sciences	4.7	4.4	3.9	3.7	3.3	2.9	3.1	3.0	3.2	3.1	2.9	3.1
Life sciences	2.1	2.0	1.8	1.7	1.5	1.4	1.6	1.6	1.7	1.6	1.6	1.6
Physical sciences	0.9	0.9	0.8	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8
Mathematics	1.7	1.5	1.4	1.3	1.1	0.9	0.9	0.8	0.8	0.8	0.7	0.7
Computer sciences and engineering	0.4	0.5	0.5	0.5	0.5	0.7	0.8	1.0	1.0	1.3	1.6	2.0
Computer and information sciences	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.7	0.9
Engineering	0.2	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.8	0.9	1.1
Technical/professional	71.0	72.3	74.2	75.2	76.5	78.2	78.4	78.6	78.8	78.7	78.7	77.9
Education	53.4	54.4	55.5	55.6	56.1	56.2	54.9	52.7	51.1	48.5	46.5	44.2
Business management	1.1	1.2	1.4	1.8	2.3	3.4	4.4	5.4	6.5	8.3	9.7	11.3
Health professions	3.4	4.0	4.4	4.8	5.0	5.8	5.9	6.7	7.4	7.7	8.2	8.3
Other technical/professional ¹	13.1	12.8	12.9	13.0	13.0	12.9	13.2	13.9	13.8	14.2	14.3	14.1
Male												
Total number of degrees	138,146	149,550	154,468	157,842	161,570	167,248	167,783	161,212	153,370	150,749	147,043	145,532
Total percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Humanities	10.3	10.0	9.6	9.8	9.4	9.0	9.0	9.0	8.9	9.3	9.3	9.2
Social and behavioral sciences	11.0	11.0	11.0	11.0	10.5	9.6	9.4	9.0	8.3	7.9	7.8	7.8
Natural sciences	9.8	9.0	8.8	8.6	8.0	7.2	7.1	7.2	7.3	7.0	6.8	6.9
Life sciences	2.8	2.7	2.8	2.9	2.8	2.7	2.8	2.7	2.8	2.7	2.5	2.4
Physical sciences	4.0	3.6	3.5	3.3	3.1	2.8	2.7	2.9	2.9	2.8	2.9	3.0
Mathematics	3.0	2.7	2.5	2.4	2.1	1.8	1.6	1.6	1.6	1.5	1.4	1.6
Computer sciences and engineering	12.8	12.3	11.8	10.8	10.5	10.8	10.6	11.2	11.1	11.9	12.6	13.7
Computer and information sciences	1.0	1.2	1.2	1.3	1.2	1.3	1.4	1.5	1.6	1.9	2.2	2.5
Engineering	11.8	11.2	10.6	9.5	9.3	9.4	9.3	9.6	9.5	10.0	10.4	11.2
Technical/professional	56.1	57.6	58.8	59.9	61.6	63.4	63.8	63.6	64.4	63.9	63.4	62.5
Education	27.8	27.5	28.0	27.9	27.5	26.8	25.2	23.4	22.4	20.1	18.7	17.4
Business management	18.1	19.3	18.9	19.0	20.3	22.2	23.5	24.7	26.3	28.1	29.2	30.1
Health professions	1.9	2.1	2.3	2.4	2.5	2.5	2.5	2.6	2.9	2.9	2.9	2.8
Other technical/professional ¹	8.4	8.7	9.6	10.5	11.3	11.9	12.7	13.0	12.8	12.8	12.5	12.3
Index of dissimilarity ²	37.9	38.0	37.2	36.0	35.9	35.8	35.1	35.7	35.3	35.3	35.1	35.0

**Table 28-2 Percentage distribution of master's degrees conferred, by field of study and sex:
Academic years ending 1971-94 - Continued**

Field of study	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Female												
Total number of degrees	145,224	140,668	142,861	145,059	148,080	151,883	160,898	169,539	176,849	189,139	199,947	210,064
Total percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Humanities	9.5	10.1	10.0	10.0	9.7	9.5	9.5	9.6	9.5	9.5	9.3	9.2
Social and behavioral sciences	7.3	7.2	7.3	7.3	7.1	6.8	7.0	7.1	7.5	6.7	6.9	7.2
Natural sciences	3.2	3.4	3.4	3.5	3.5	3.5	3.4	3.2	3.1	2.9	2.8	2.8
Life sciences	1.7	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.2	1.3
Physical sciences	0.8	0.9	0.9	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8
Mathematics	0.7	0.8	0.8	0.8	0.9	1.0	0.9	0.9	0.9	0.8	0.8	0.7
Computer sciences and engineering	2.3	2.8	3.0	3.4	3.6	3.5	3.6	3.6	3.6	3.4	3.5	3.5
Computer and information sciences	1.0	1.3	1.4	1.7	1.7	1.6	1.6	1.6	1.6	1.4	1.4	1.3
Engineering	1.2	1.5	1.6	1.7	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.2
Technical/professional	77.7	76.5	76.2	75.8	76.0	76.7	76.5	76.4	76.4	77.5	77.5	77.3
Education	41.6	38.8	37.9	37.6	37.0	37.8	38.0	38.0	37.8	37.8	36.9	36.1
Business management	12.9	14.2	14.6	14.3	15.0	15.3	15.2	15.4	15.5	15.8	16.0	16.2
Health professions	8.8	9.4	9.3	9.8	9.8	9.6	9.3	9.3	9.5	9.7	10.2	10.6
Other technical/professional ¹	14.3	14.2	14.5	14.2	14.3	13.9	13.9	13.7	13.6	14.2	14.3	14.4
Male												
Total number of degrees	144,697	143,595	143,390	143,508	141,269	143,290	148,872	152,926	151,796	159,543	168,754	175,355
Total percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Humanities	9.0	9.3	8.9	8.9	9.2	9.0	8.9	9.1	8.7	8.8	8.7	8.4
Social and behavioral sciences	7.3	6.9	6.9	6.8	6.8	6.4	6.5	6.7	6.8	6.4	6.3	6.6
Natural sciences	6.7	6.6	6.5	6.6	6.4	6.4	6.1	5.9	5.7	5.4	5.1	5.1
Life sciences	2.2	2.1	1.8	1.8	1.8	1.7	1.7	1.6	1.5	1.4	1.4	1.4
Physical sciences	2.9	3.0	3.1	3.1	3.0	3.0	2.8	2.6	2.5	2.5	2.3	2.3
Mathematics	1.6	1.5	1.6	1.7	1.6	1.7	1.6	1.7	1.6	1.5	1.5	1.4
Computer sciences and engineering	14.8	15.9	17.0	17.3	18.3	19.0	18.9	18.5	18.4	18.2	18.9	18.7
Computer and information sciences	2.6	3.0	3.5	3.9	4.2	4.7	4.6	4.6	4.3	4.3	4.4	4.4
Engineering	12.1	12.9	13.4	13.4	14.0	14.3	14.4	14.0	14.1	13.9	14.5	14.3
Technical/professional	62.2	61.2	60.6	60.4	59.4	59.2	59.5	59.8	60.4	61.2	61.0	61.1
Education	15.8	14.7	14.3	14.1	13.7	13.3	13.4	13.4	13.5	13.3	13.2	13.1
Business management	31.8	32.2	32.2	32.0	31.8	32.1	32.6	33.1	33.5	34.3	34.2	33.8
Health professions	2.9	3.0	2.9	3.1	2.7	2.8	2.8	3.0	2.9	2.9	3.1	3.3
Other technical/professional ¹	11.7	11.4	11.2	11.1	11.2	11.0	10.7	10.4	10.4	10.6	10.6	10.8
Index of dissimilarity ²	33.6	32.9	33.1	33.2	32.8	33.7	33.8	33.6	33.9	34.0	35.9	35.2

¹ Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

² The index of dissimilarity is calculated as the sum of the absolute difference between the proportions of females and males earning degrees in each of the fields, divided by two. For this analysis, it was calculated using the 11 detailed categories shown above. (For example, the "life sciences," "physical sciences," and "mathematics" categories were used in this analysis, but the "natural sciences" category was not). Here, the index of dissimilarity represents the percentage, by field, one sex would need to vary to reach the field distribution of the other sex.

NOTE: Details may not add to totals due to rounding. Includes degrees conferred to U.S. and non-U.S. citizens. See the supplemental note to *Indicator 21* for a description of fields of study.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996*, table 263 (based on IPEDS/HGIS "Completions" surveys).

**Table 28-3 Number of master's degrees conferred, by field of study and sex:
Academic years ending 1971-94**

Field of study	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Female												
Total	92,363	102,083	108,903	119,191	130,880	144,523	149,381	150,408	147,709	147,332	148,696	150,014
Humanities	15,079	15,550	15,126	15,716	16,357	16,184	15,791	15,658	14,744	14,725	14,297	14,859
Social and behavioral sciences	7,028	7,735	8,166	8,785	9,461	10,066	10,686	10,485	10,295	10,224	10,645	10,658
Natural sciences	4,315	4,458	4,271	4,395	4,259	4,257	4,624	4,574	4,697	4,503	4,376	4,650
Life sciences	1,923	2,014	1,909	1,997	1,963	2,085	2,396	2,406	2,566	2,412	2,324	2,448
Physical sciences	846	883	843	876	838	818	881	941	990	971	1,084	1,196
Mathematics	1,546	1,561	1,519	1,522	1,458	1,354	1,347	1,227	1,141	1,120	968	1,006
Computer sciences and engineering	349	497	503	649	713	959	1,186	1,432	1,526	1,906	2,333	2,938
Computer and information sciences	164	225	225	293	338	377	466	567	575	764	971	1,310
Engineering	185	272	278	356	375	582	720	865	951	1,142	1,362	1,628
Technical/professional	65,592	73,843	80,837	89,646	100,090	113,057	117,094	118,259	116,447	115,974	117,045	116,909
Education	49,301	55,527	60,479	66,290	73,411	81,230	81,959	79,254	75,456	71,519	69,165	66,262
Business management	1,010	1,183	1,510	2,128	3,026	4,909	6,606	8,094	9,581	12,196	14,411	16,956
Health professions	3,182	4,066	4,795	5,780	6,600	8,339	8,788	10,060	10,991	11,347	12,199	12,497
Other technical/professional*	12,099	13,067	14,053	15,448	17,053	18,579	19,741	20,851	20,419	20,912	21,270	21,194
Male												
Total	138,146	149,550	154,468	157,842	161,570	167,248	167,783	161,212	153,370	150,749	147,043	145,532
Humanities	14,273	14,962	14,820	15,512	15,244	15,064	15,168	14,456	13,635	13,956	13,723	13,319
Social and behavioral sciences	15,228	16,474	16,930	17,304	16,910	16,054	15,706	14,515	12,800	11,890	11,523	11,291
Natural sciences	13,475	13,467	13,646	13,525	12,914	12,106	11,930	11,655	11,138	10,608	9,960	10,001
Life sciences	3,805	4,087	4,354	4,555	4,587	4,497	4,718	4,400	4,265	4,098	3,654	3,426
Physical sciences	5,521	5,404	5,414	5,186	4,969	4,648	4,450	4,620	4,461	4,248	4,200	4,318
Mathematics	4,149	3,976	3,878	3,784	3,358	2,961	2,762	2,635	2,412	2,262	2,106	2,257
Computer sciences and engineering	17,682	18,440	18,229	17,006	16,934	17,986	17,857	18,004	17,024	17,984	18,594	19,936
Computer and information sciences	1,424	1,752	1,888	1,983	1,961	2,226	2,332	2,471	2,480	2,883	3,247	3,625
Engineering	16,258	16,688	16,341	15,023	14,973	15,760	15,525	15,533	14,544	15,101	15,347	16,311
Technical/professional	77,488	86,207	90,843	94,495	99,568	106,038	107,122	102,582	98,773	96,311	93,243	90,985
Education	38,365	41,141	43,298	44,112	44,430	44,831	42,308	37,662	34,410	30,300	27,548	25,339
Business management	24,967	28,845	29,128	30,044	32,732	37,145	39,400	39,743	40,274	42,288	42,980	43,807
Health professions	2,567	3,141	3,567	3,819	4,092	4,217	4,163	4,265	4,494	4,357	4,316	4,006
Other technical/professional*	11,589	13,080	14,850	16,520	18,314	19,845	21,251	20,912	19,595	19,366	18,399	17,833

**Table 28-3 Number of master's degrees conferred, by field of study and sex:
Academic years ending 1971-94 - Continued**

Field of study	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Female												
Total	145,224	140,668	142,861	145,059	148,080	151,883	160,898	169,539	176,849	189,139	199,947	210,064
Humanities	13,844	14,182	14,334	14,526	14,379	14,423	15,229	16,263	16,757	17,920	18,677	19,223
Social and behavioral sciences	10,565	10,151	10,467	10,643	10,523	10,359	11,242	12,089	13,237	12,692	13,728	15,189
Natural sciences	4,697	4,784	4,880	5,039	5,226	5,246	5,478	5,491	5,530	5,508	5,583	5,956
Life sciences	2,482	2,410	2,412	2,397	2,414	2,361	2,469	2,474	2,463	2,484	2,413	2,731
Physical sciences	1,133	1,308	1,344	1,432	1,410	1,409	1,524	1,439	1,472	1,465	1,558	1,661
Mathematics	1,082	1,066	1,124	1,210	1,402	1,476	1,485	1,578	1,595	1,559	1,612	1,564
Computer sciences and engineering	3,304	3,966	4,345	4,904	5,346	5,380	5,833	6,132	6,289	6,480	7,025	7,292
Computer and information sciences	1,508	1,811	2,037	2,412	2,496	2,471	2,639	2,717	2,761	2,646	2,753	2,692
Engineering	1,796	2,155	2,308	2,492	2,850	2,909	3,194	3,415	3,528	3,834	4,272	4,600
Technical/professional	112,814	107,585	108,835	109,947	112,606	116,475	123,116	129,564	135,036	146,539	154,934	162,404
Education	60,427	54,522	54,117	54,506	54,752	57,458	61,218	64,414	66,895	71,424	73,831	75,930
Business management	18,759	19,972	20,787	20,751	22,180	23,250	24,525	26,091	27,372	29,937	31,964	34,102
Health professions	12,812	13,160	13,266	14,145	14,520	14,610	15,042	15,787	16,756	18,374	20,491	22,211
Other technical/professional*	20,816	19,931	20,665	20,545	21,154	21,157	22,331	23,272	24,013	26,804	28,648	30,161
Male												
Total	144,697	143,595	143,390	143,508	141,269	143,290	148,872	152,926	151,796	159,543	168,754	175,355
Humanities	13,037	13,423	12,827	12,781	12,993	12,851	13,240	13,855	13,249	14,045	14,598	14,774
Social and behavioral sciences	10,621	9,951	9,927	9,766	9,545	9,233	9,721	10,275	10,345	10,225	10,700	11,553
Natural sciences	9,687	9,442	9,388	9,483	9,085	9,138	9,109	8,973	8,585	8,662	8,606	9,019
Life sciences	3,214	2,996	2,647	2,616	2,538	2,423	2,492	2,395	2,302	2,301	2,343	2,465
Physical sciences	4,157	4,268	4,452	4,470	4,219	4,324	4,199	4,010	3,837	3,909	3,808	4,018
Mathematics	2,316	2,178	2,289	2,397	2,328	2,391	2,418	2,568	2,446	2,452	2,455	2,536
Computer sciences and engineering	21,361	22,879	24,311	24,823	25,789	27,202	28,149	28,317	27,993	29,027	31,864	32,878
Computer and information sciences	3,813	4,379	5,064	5,658	5,985	6,726	6,775	6,960	6,563	6,884	7,410	7,724
Engineering	17,548	18,500	19,247	19,165	19,804	20,476	21,374	21,357	21,430	22,143	24,454	25,154
Technical/professional	89,991	87,900	86,937	86,655	83,857	84,866	88,653	91,506	91,624	97,584	102,986	107,131
Education	22,823	21,142	20,537	20,295	19,293	19,108	19,956	20,467	20,448	21,244	22,197	23,008
Business management	45,999	46,178	46,209	45,938	44,913	45,980	48,540	50,585	50,883	54,705	57,651	59,335
Health professions	4,235	4,251	4,119	4,428	3,874	4,047	4,226	4,534	4,444	4,691	5,227	5,814
Other technical/professional*	16,934	16,329	16,072	15,994	15,777	15,731	15,931	15,920	15,849	16,944	17,911	18,974

* Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

NOTE: See the supplemental table to *Indicator 27* for a description of fields of study. Includes degrees conferred to U.S. and non-U.S. citizens.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996*, table 263 (based on IPEDS/HEGIS "Completions" surveys).

Table 28-4 Female field concentration ratio¹ of doctor's degrees conferred, by field of study: Academic years ending 1971-94

Field of study	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Humanities	1.89	1.87	1.77	1.71	1.59	1.50	1.41	1.32	1.18	1.10	1.15	1.15
Social and behavioral sciences	1.29	1.22	1.21	1.28	1.26	1.21	1.29	1.23	1.28	1.30	1.26	1.26
Natural sciences	0.67	0.66	0.65	0.63	0.62	0.57	0.56	0.57	0.59	0.56	0.56	0.57
Life sciences	1.17	1.09	1.12	1.08	1.04	0.92	0.84	0.89	0.88	0.83	0.87	0.87
Physical sciences	0.36	0.38	0.33	0.32	0.33	0.32	0.33	0.31	0.33	0.34	0.30	0.34
Mathematics	0.50	0.45	0.48	0.43	0.44	0.40	0.46	0.49	0.50	0.37	0.40	0.33
Computer sciences and engineering	0.04	0.05	0.09	0.08	0.09	0.10	0.11	0.08	0.11	0.11	0.11	0.13
Computer and information sciences	0.14	0.41	0.38	0.20	0.26	0.35	0.30	0.23	0.37	0.30	0.24	0.19
Engineering	0.04	0.03	0.07	0.07	0.08	0.08	0.09	0.07	0.09	0.09	0.09	0.12
Technical/professional	1.27	1.28	1.23	1.21	1.26	1.33	1.32	1.41	1.43	1.51	1.54	1.56
Education	1.60	1.61	1.48	1.52	1.61	1.66	1.61	1.79	1.84	1.86	1.98	1.99
Business management	0.17	0.12	0.28	0.24	0.16	0.19	0.21	0.26	0.34	0.41	0.39	0.47
Health professions	1.19	1.18	1.53	1.24	1.48	1.36	1.46	1.75	1.49	1.91	1.71	1.78
Other technical/professional ²	0.76	0.77	0.81	0.70	0.72	0.89	0.88	0.80	0.77	0.87	0.87	0.93

Field of study	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Humanities	1.09	1.08	1.07	1.08	1.08	1.06	1.05	1.06	1.13	1.13	1.13	1.09
Social and behavioral sciences	1.38	1.37	1.38	1.42	1.43	1.54	1.48	1.58	1.71	1.50	1.56	1.54
Natural sciences	0.59	0.57	0.60	0.58	0.61	0.63	0.64	0.65	0.64	0.69	0.70	0.69
Life sciences	0.96	0.88	0.94	0.93	0.99	1.01	1.00	1.06	1.01	1.04	1.08	1.09
Physical sciences	0.33	0.35	0.37	0.37	0.38	0.41	0.43	0.42	0.42	0.47	0.45	0.44
Mathematics	0.40	0.42	0.35	0.37	0.38	0.36	0.42	0.38	0.41	0.46	0.51	0.45
Computer sciences and engineering	0.11	0.12	0.14	0.15	0.15	0.15	0.18	0.19	0.18	0.19	0.18	0.21
Computer and information sciences	0.30	0.23	0.22	0.28	0.30	0.23	0.32	0.30	0.27	0.26	0.27	0.29
Engineering	0.09	0.12	0.13	0.13	0.14	0.14	0.17	0.17	0.17	0.18	0.17	0.20
Technical/professional	1.50	1.54	1.57	1.61	1.65	1.69	1.73	1.69	1.70	1.76	1.73	1.76
Education	1.99	1.99	2.09	2.10	2.18	2.25	2.32	2.35	2.34	2.47	2.35	2.48
Business management	0.41	0.54	0.40	0.52	0.58	0.58	0.65	0.59	0.60	0.51	0.63	0.63
Health professions	1.57	2.03	2.17	1.94	2.12	2.41	2.35	2.07	2.27	2.33	2.18	2.25
Other technical/professional ²	0.83	0.88	0.89	1.00	1.01	1.03	0.98	1.00	0.99	1.01	1.09	1.07

¹ The female field concentration ratio is calculated as the percentage of females earning degrees who majored in a specific field divided by the percentage of males earning degrees who majored in the same field. Includes degrees conferred to U.S. and non-U.S. citizens.

² Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

NOTE: See the supplemental note to *Indicator 27* for a description of fields of study.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996*, table 266 (based on IPEDS/HEGIS "Completions" surveys).

**Table 28-5 Percentage distribution of doctor's degrees conferred, by field of study and sex:
Academic years ending 1971-94**

Field of study	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Female												
Total number of degrees	4,577	5,273	6,206	6,451	7,266	7,797	8,090	8,473	9,189	9,672	10,247	10,483
Total percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Humanities	22.8	23.4	24.1	23.5	22.0	21.4	20.0	19.0	18.4	16.2	15.8	15.7
Social and behavioral sciences	22.3	22.4	22.8	25.2	24.9	24.8	26.0	24.3	24.0	24.3	23.6	23.2
Natural sciences	20.5	18.7	17.4	16.3	15.9	14.4	14.3	14.6	15.0	14.8	15.1	15.6
Life sciences	13.0	11.8	11.4	10.8	10.2	9.3	9.0	9.4	9.9	9.8	10.3	10.4
Physical sciences	5.4	5.2	4.3	3.9	4.1	3.8	3.9	3.7	3.8	4.0	3.7	4.3
Mathematics	2.1	1.7	1.6	1.6	1.5	1.2	1.4	1.5	1.4	1.1	1.2	0.9
Computer sciences and engineering	0.6	0.6	1.1	1.0	1.1	1.1	1.1	0.8	1.2	1.3	1.3	1.5
Computer and information sciences	0.1	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2
Engineering	0.5	0.4	0.9	0.9	0.9	0.8	0.9	0.7	0.9	1.0	1.0	1.3
Technical/professional	33.9	34.9	34.6	34.0	36.1	38.2	38.5	41.2	41.4	43.4	44.2	44.0
Education	27.7	29.3	26.8	27.6	29.2	30.5	31.0	32.3	32.6	33.2	33.5	32.3
Business management	0.5	0.4	0.8	0.8	0.5	0.6	0.6	0.8	1.1	1.1	1.2	1.4
Health professions	1.7	1.5	2.6	2.0	2.4	2.1	2.1	3.0	2.9	3.6	3.6	4.0
Other technical/professional ¹	4.0	3.7	4.3	3.6	3.9	5.0	4.8	5.1	4.9	5.4	5.9	6.2
Male												
Total number of degrees	27,530	28,090	28,571	27,365	26,817	26,267	25,142	23,658	23,541	22,943	22,711	22,224
Total percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Humanities	12.0	12.5	13.6	13.7	13.8	14.3	14.2	14.4	15.5	14.7	13.8	13.6
Social and behavioral sciences	17.4	18.4	18.8	19.6	19.8	20.5	20.2	19.8	18.7	18.6	18.8	18.4
Natural sciences	30.3	28.3	26.8	26.0	25.7	25.2	25.6	25.6	25.6	26.4	26.8	27.5
Life sciences	11.1	10.8	10.2	10.0	9.8	10.1	10.6	10.6	11.2	11.7	11.7	11.9
Physical sciences	15.1	13.6	13.1	12.3	12.4	11.9	12.0	11.9	11.7	11.8	12.2	12.8
Mathematics	4.2	3.8	3.5	3.6	3.5	3.1	3.0	3.1	2.7	2.9	2.9	2.8
Computer sciences and engineering	13.6	13.5	12.7	12.6	12.1	11.3	10.8	10.8	11.2	11.4	11.8	12.3
Computer and information sciences	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0	1.0
Engineering	13.1	13.0	12.0	11.9	11.3	10.5	10.0	10.1	10.3	10.5	10.8	11.2
Technical/professional	26.7	27.3	28.1	28.1	28.5	28.8	29.2	29.3	29.0	28.8	28.8	28.2
Education	17.3	18.2	18.2	18.2	18.1	18.4	19.2	18.1	17.7	17.9	16.9	16.3
Business management	2.7	3.0	3.0	3.2	3.3	3.2	3.1	3.2	3.1	2.8	3.0	3.0
Health professions	1.4	1.3	1.7	1.6	1.6	1.6	1.5	1.7	1.9	1.9	2.1	2.3
Other technical/professional ¹	5.3	4.8	5.3	5.1	5.4	5.6	5.4	6.3	6.3	6.2	6.8	6.7
Index of dissimilarity ²	28.3	27.2	25.3	26.0	25.5	24.1	24.1	24.6	24.0	24.2	25.0	24.7

**Table 28-5 Percentage distribution of doctor's degrees conferred, by field of study and sex:
Academic years ending 1971-94 - Continued**

Field of study	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Female												
Total number of degrees	10,873	11,145	11,243	11,834	11,980	12,012	13,062	13,865	14,214	14,922	16,041	16,618
Total percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Humanities	14.8	14.7	14.1	14.2	13.9	13.2	12.8	13.3	13.4	14.0	13.7	14.0
Social and behavioral sciences	24.4	23.7	23.4	24.1	23.7	23.6	23.2	23.3	24.4	20.8	21.8	21.2
Natural sciences	15.2	15.0	15.9	15.6	16.4	17.4	17.1	17.5	18.0	18.9	18.8	18.7
Life sciences	9.9	9.5	10.0	9.5	10.0	10.7	9.8	10.5	10.7	10.9	11.0	11.1
Physical sciences	4.2	4.4	4.9	5.0	5.3	5.7	5.9	5.8	5.9	6.4	6.0	6.1
Mathematics	1.1	1.2	1.0	1.1	1.1	1.1	1.4	1.2	1.4	1.5	1.8	1.5
Computer sciences and engineering	1.5	1.7	2.1	2.3	2.6	2.8	3.7	3.9	4.1	4.2	4.2	4.7
Computer and information sciences	0.3	0.2	0.2	0.4	0.4	0.4	0.7	0.7	0.6	0.7	0.7	0.8
Engineering	1.1	1.5	1.9	1.9	2.2	2.4	3.1	3.2	3.4	3.5	3.5	4.0
Technical/professional	44.2	44.9	44.5	43.7	43.5	42.9	43.1	42.0	40.2	42.1	41.5	41.4
Education	32.3	31.1	30.6	29.7	29.0	27.6	27.8	26.9	25.1	27.3	26.0	25.3
Business management	1.2	1.8	1.3	1.7	2.1	2.1	2.3	2.0	2.2	1.9	2.4	2.3
Health professions	4.7	5.3	5.6	5.4	5.4	5.9	6.3	6.0	6.5	6.5	6.3	6.7
Other technical/professional ¹	6.0	6.7	7.0	6.9	6.9	7.3	6.7	7.1	6.4	6.3	6.8	7.1
Male												
Total number of degrees	21,902	22,064	21,700	21,819	22,061	22,279	22,597	24,248	24,333	25,168	25,980	26,531
Total percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Humanities	13.5	13.5	13.2	13.2	12.9	12.4	12.2	12.5	11.8	12.4	12.2	12.8
Social and behavioral sciences	17.7	17.2	16.9	16.9	16.5	15.4	15.7	14.8	14.3	13.8	13.9	13.8
Natural sciences	26.0	26.3	26.6	26.8	26.7	27.6	26.8	27.0	28.2	27.4	27.0	27.3
Life sciences	10.3	10.8	10.6	10.2	10.1	10.5	9.9	9.9	10.6	10.4	10.3	10.1
Physical sciences	12.8	12.8	13.1	13.6	13.8	14.0	13.7	13.8	14.2	13.6	13.2	13.7
Mathematics	2.8	2.8	2.9	3.0	2.8	3.0	3.3	3.3	3.4	3.4	3.5	3.4
Computer sciences and engineering	13.4	13.8	15.0	15.9	17.6	19.2	20.3	20.9	22.1	22.4	23.0	22.6
Computer and information sciences	1.0	1.0	1.0	1.4	1.5	1.7	2.1	2.2	2.4	2.7	2.7	2.6
Engineering	12.4	12.8	13.9	14.6	16.1	17.5	18.2	18.7	19.7	19.8	20.3	20.0
Technical/professional	29.4	29.1	28.3	27.2	26.3	25.5	25.0	24.8	23.6	23.9	23.9	23.5
Education	16.2	15.6	14.6	14.2	13.3	12.3	12.0	11.4	10.7	11.1	11.0	10.2
Business management	2.9	3.3	3.2	3.3	3.7	3.6	3.5	3.4	3.6	3.8	3.7	3.7
Health professions	3.0	2.6	2.6	2.8	2.6	2.5	2.7	2.9	2.9	2.8	2.9	3.0
Other technical/professional ¹	7.3	7.6	7.9	6.9	6.8	7.1	6.8	7.1	6.5	6.3	6.3	6.6
Index of dissimilarity ²	25.7	25.8	26.4	26.4	26.8	28.1	27.7	28.5	29.8	29.1	29.1	28.8

¹ Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

² The index of dissimilarity is calculated as the sum of the absolute difference between the proportions of females and males earning degrees in each of the fields, divided by two. For this analysis, it was calculated using the 11 detailed categories shown above. (For example, the "life sciences," "physical sciences," and "mathematics" categories were used in this analysis, but the "natural sciences" category was not). Here, the index of dissimilarity represents the percentage, by field, one sex would need to vary to reach the field distribution of the other sex.

NOTE: Details may not add to totals due to rounding. Includes degrees conferred to U.S. and non-U.S. citizens. See the supplemental note to *Indicator 27* for a description of fields of study.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996*, table 263 (based on IPEDS/HEGIS "Completions" surveys).

**Table 28-6 Number of doctor's degrees conferred, by field of study and sex:
Academic years ending 1971-94**

Field of study	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Female												
Total	4,577	5,273	6,206	6,451	7,266	7,797	8,090	8,473	9,189	9,672	10,247	10,483
Humanities	1,043	1,233	1,496	1,513	1,597	1,667	1,622	1,613	1,687	1,571	1,621	1,645
Social and behavioral sciences	1,022	1,181	1,414	1,626	1,812	1,937	2,104	2,062	2,203	2,347	2,422	2,429
Natural sciences	936	985	1,080	1,053	1,156	1,125	1,156	1,236	1,381	1,434	1,547	1,638
Life sciences	595	622	710	699	743	729	726	798	906	946	1,052	1,089
Physical sciences	246	273	268	253	301	299	319	312	350	384	376	451
Mathematics	95	90	102	101	112	97	111	126	125	104	119	98
Computer sciences and engineering	26	34	69	64	80	89	92	72	113	122	129	161
Computer and information sciences	3	12	15	9	14	23	19	15	30	27	25	21
Engineering	23	22	54	55	66	66	73	57	83	95	104	140
Technical/professional	1,550	1,840	2,147	2,195	2,621	2,979	3,116	3,490	3,805	4,198	4,528	4,610
Education	1,270	1,544	1,666	1,783	2,119	2,376	2,506	2,737	2,996	3,214	3,436	3,387
Business management	21	19	52	49	39	49	52	70	97	111	120	147
Health professions	77	80	161	131	177	166	172	252	264	351	367	422
Other technical/professional*	182	197	268	232	286	388	386	431	448	522	605	654
Male												
Total	27,530	28,090	28,571	27,365	26,817	26,267	25,142	23,658	23,541	22,943	22,711	22,224
Humanities	3,317	3,510	3,889	3,757	3,711	3,749	3,565	3,410	3,649	3,378	3,128	3,021
Social and behavioral sciences	4,782	5,177	5,370	5,370	5,313	5,377	5,084	4,696	4,396	4,278	4,276	4,093
Natural sciences	8,348	7,936	7,651	7,105	6,902	6,607	6,441	6,054	6,032	6,054	6,087	6,112
Life sciences	3,050	3,031	2,926	2,740	2,641	2,663	2,671	2,511	2,636	2,690	2,666	2,654
Physical sciences	4,144	3,830	3,738	3,373	3,325	3,132	3,022	2,821	2,752	2,705	2,765	2,835
Mathematics	1,154	1,075	987	992	936	812	748	722	644	659	656	623
Computer sciences and engineering	3,740	3,804	3,619	3,446	3,241	2,976	2,710	2,564	2,629	2,625	2,684	2,726
Computer and information sciences	125	155	181	189	199	221	197	181	206	213	227	230
Engineering	3,615	3,649	3,438	3,257	3,042	2,755	2,513	2,383	2,423	2,412	2,457	2,496
Technical/professional	7,343	7,663	8,042	7,687	7,650	7,558	7,342	6,934	6,835	6,608	6,536	6,272
Education	4,771	5,104	5,191	4,974	4,856	4,826	4,832	4,281	4,174	4,100	3,843	3,612
Business management	736	840	850	870	897	851	775	753	724	642	675	668
Health professions	389	362	485	447	441	411	366	402	454	435	475	503
Other technical/professional*	1,447	1,357	1,516	1,396	1,456	1,470	1,369	1,498	1,483	1,431	1,543	1,489

**Table 28-6 Number of doctor's degrees conferred, by field of study and sex:
Academic years ending 1971-94 - Continued**

Field of study	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
	Female											
Total	10,873	11,145	11,243	11,834	11,980	12,012	13,062	13,865	14,214	14,922	16,041	16,618
Humanities	1,604	1,634	1,588	1,683	1,663	1,580	1,677	1,844	1,901	2,091	2,205	2,324
Social and behavioral sciences	2,653	2,642	2,626	2,854	2,835	2,839	3,031	3,236	3,468	3,106	3,493	3,527
Natural sciences	1,653	1,676	1,791	1,846	1,959	2,094	2,234	2,430	2,558	2,816	3,015	3,105
Life sciences	1,075	1,056	1,125	1,129	1,194	1,280	1,286	1,450	1,516	1,623	1,771	1,844
Physical sciences	458	491	552	588	634	686	770	808	843	962	961	1,008
Mathematics	120	129	114	129	131	128	178	172	199	231	283	253
Computer sciences and engineering	159	191	233	274	315	341	485	538	577	630	676	789
Computer and information sciences	34	26	25	45	52	48	85	93	92	103	116	125
Engineering	125	165	208	229	263	293	400	445	485	527	560	664
Technical/professional	4,804	5,002	5,005	5,177	5,208	5,158	5,635	5,817	5,710	6,279	6,652	6,873
Education	3,510	3,465	3,440	3,517	3,476	3,321	3,633	3,726	3,574	4,081	4,163	4,202
Business management	132	199	143	205	254	253	300	275	309	289	377	384
Health professions	506	590	634	637	649	713	828	832	919	963	1,014	1,113
Other technical/professional*	656	748	788	818	829	871	874	984	908	946	1,098	1,174
	Male											
Total	21,902	22,064	21,700	21,819	22,061	22,279	22,597	24,248	24,333	25,168	25,980	26,531
Humanities	2,959	2,982	2,867	2,876	2,840	2,766	2,759	3,029	2,871	3,125	3,168	3,398
Social and behavioral sciences	3,880	3,804	3,672	3,694	3,641	3,422	3,539	3,585	3,476	3,485	3,618	3,663
Natural sciences	5,688	5,810	5,778	5,840	5,892	6,140	6,059	6,544	6,861	6,900	7,002	7,236
Life sciences	2,266	2,381	2,307	2,229	2,225	2,349	2,234	2,394	2,577	2,620	2,664	2,690
Physical sciences	2,811	2,815	2,851	2,963	3,039	3,123	3,088	3,356	3,447	3,429	3,432	3,642
Mathematics	611	614	620	648	628	668	737	794	837	851	906	904
Computer sciences and engineering	2,934	3,041	3,245	3,480	3,877	4,278	4,589	5,070	5,371	5,641	5,972	6,000
Computer and information sciences	228	225	223	299	322	380	466	534	584	669	689	685
Engineering	2,706	2,816	3,022	3,181	3,555	3,898	4,123	4,536	4,787	4,972	5,283	5,315
Technical/professional	6,441	6,427	6,138	5,929	5,811	5,673	5,651	6,020	5,754	6,017	6,220	6,234
Education	3,547	3,446	3,172	3,088	2,931	2,739	2,704	2,776	2,613	2,783	2,867	2,706
Business management	644	730	688	729	808	810	800	818	876	953	969	980
Health professions	649	574	565	604	564	548	609	704	694	698	753	789
Other technical/professional*	1,601	1,677	1,713	1,508	1,508	1,576	1,538	1,722	1,571	1,583	1,631	1,759

* Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

NOTE: See the supplemental note to *Indicator 27* for a description of fields of study. Includes degrees conferred to U.S. and non-U.S. citizens.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996*, table 263 (based on IPEDS/HEGIS "Completions" surveys).

**Table 28-7 Number of master's degrees conferred, by race/ethnicity and field of study:
Academic years ending 1989-94**

Race/ethnicity and field of study	1989	1990	1991	1992	1993	1994
White						
Total	242,756	251,689	255,281	268,371	278,829	288,288
Humanities	23,102	24,322	24,140	25,424	26,132	26,588
Social and behavioral sciences	15,102	15,897	18,392	17,771	18,831	20,580
Natural sciences	9,883	9,580	9,380	9,223	9,073	9,534
Life sciences	3,807	3,668	3,514	3,404	3,281	3,621
Physical sciences	3,947	3,620	3,351	3,296	3,262	3,354
Mathematics	2,129	2,292	2,515	2,523	2,530	2,559
Computer sciences and engineering	19,561	19,800	19,101	19,046	20,351	20,752
Computer and information sciences	5,316	5,536	4,958	4,678	4,700	4,605
Engineering	14,245	14,264	14,143	14,368	15,651	16,147
Technical/professional	175,108	182,090	184,268	196,907	204,442	210,834
Education	71,119	73,860	74,764	78,874	81,290	83,065
Business management	57,785	60,793	61,087	65,320	66,535	67,669
Health professions	16,277	17,143	17,746	19,220	21,328	23,175
Other technical/professional*	29,927	30,294	30,671	33,493	35,289	36,925
Black						
Total	14,096	15,446	16,139	18,116	19,780	21,937
Humanities	744	840	856	1,104	1,225	1,270
Social and behavioral sciences	810	937	1,166	1,164	1,223	1,396
Natural sciences	265	281	348	345	358	403
Life sciences	124	115	144	156	141	149
Physical sciences	79	91	80	105	112	136
Mathematics	62	75	124	84	105	118
Computer sciences and engineering	626	713	770	884	964	1,073
Computer and information sciences	211	276	303	334	324	391
Engineering	415	437	467	550	640	682
Technical/professional	11,651	12,675	12,999	14,619	16,010	17,795
Education	5,310	5,625	5,731	6,444	6,725	7,199
Business management	3,062	3,345	3,517	3,966	4,474	5,213
Health professions	855	934	1,051	1,136	1,301	1,496
Other technical/professional*	2,424	2,771	2,700	3,073	3,510	3,887
Hispanic						
Total	7,282	7,954	8,386	9,358	10,665	11,913
Humanities	753	843	836	987	1,012	1,172
Social and behavioral sciences	546	596	694	680	821	942
Natural sciences	219	220	267	296	316	299
Life sciences	112	94	101	141	140	126
Physical sciences	77	78	86	91	107	102
Mathematics	30	48	80	64	69	71
Computer sciences and engineering	609	588	628	699	802	876
Computer and information sciences	146	136	137	158	167	176
Engineering	463	452	491	541	635	700
Technical/professional	5,155	5,707	5,961	6,696	7,714	8,624
Education	2,194	2,542	2,692	2,838	3,181	3,601
Business management	1,581	1,643	1,680	1,944	2,241	2,568
Health professions	402	460	446	559	638	710
Other technical/professional*	978	1,062	1,143	1,355	1,654	1,745

**Table 28-7 Number of master's degrees conferred, by race/ethnicity and field of study:
Academic years ending 1989-94 - Continued**

Race/ethnicity and field of study	1989	1990	1991	1992	1993	1994
Asian/Pacific Islander						
Total	10,336	10,578	11,180	12,658	13,866	15,267
Humanities	830	826	833	979	1,099	1,190
Social and behavioral sciences	444	488	559	590	625	761
Natural sciences	704	674	725	810	791	898
Life sciences	229	230	242	276	317	347
Physical sciences	286	247	268	318	262	301
Mathematics	189	197	215	216	212	250
Computer sciences and engineering	3,045	3,049	3,260	3,603	3,604	3,940
Computer and information sciences	947	1,060	1,085	1,171	1,163	1,317
Engineering	2,098	1,989	2,175	2,432	2,441	2,623
Technical/professional	5,313	5,541	5,803	6,676	7,747	8,478
Education	961	1,023	1,103	1,192	1,391	1,534
Business management	2,924	2,979	3,140	3,635	4,304	4,625
Health professions	551	639	627	739	864	1,007
Other technical/professional*	877	900	933	1,110	1,188	1,312
American Indian/Alaskan Native						
Total	1,086	1,099	1,136	1,273	1,407	1,697
Humanities	88	110	81	125	135	157
Social and behavioral sciences	85	86	105	91	133	136
Natural sciences	39	30	38	36	48	41
Life sciences	16	14	13	13	27	18
Physical sciences	17	10	14	19	13	17
Mathematics	6	6	11	4	8	6
Computer sciences and engineering	79	50	60	67	76	84
Computer and information sciences	41	7	15	16	15	19
Engineering	38	43	45	51	61	65
Technical/professional	795	823	852	954	1,015	1,279
Education	381	411	405	457	459	605
Business management	181	188	201	220	269	299
Health professions	79	83	95	94	120	137
Other technical/professional*	154	141	151	183	167	238

* Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

NOTE: See the supplemental note to *Indicator 27* for a description of fields of study. Includes degrees conferred to U.S. and non-U.S. citizens.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996*, table 263 (based on IPEDS/HEGIS "Completions" surveys).

**Table 28-8 Number of doctor's degrees conferred, by race/ethnicity and field of study:
Academic years ending 1989-94**

Race/ethnicity and field of study	1989	1990	1991	1992	1993	1994
White						
Total	24,882	25,880	25,328	25,813	26,700	27,156
Humanities	3,580	2,835	3,623	3,921	4,001	4,190
Social and behavioral sciences	4,720	4,862	5,298	4,983	5,326	5,345
Natural sciences	5,514	5,776	5,766	5,715	5,699	5,858
Life sciences	2,666	2,801	2,764	2,785	2,810	2,828
Physical sciences	2,441	2,578	2,566	2,470	2,405	2,536
Mathematics	407	397	436	460	484	494
Computer sciences and engineering	2,233	2,400	2,390	2,473	2,602	2,576
Computer and information sciences	297	316	332	366	383	366
Engineering	1,936	2,084	2,058	2,107	2,219	2,210
Technical/professional	8,835	9,014	8,251	8,721	9,072	9,187
Education	5,458	5,570	4,907	5,404	5,497	5,393
Business management	745	659	714	700	815	847
Health professions	1,107	1,120	1,157	1,161	1,205	1,282
Other technical/professional*	1,525	1,665	1,473	1,456	1,555	1,665
Black						
Total	1,065	1,152	1,211	1,223	1,352	1,393
Humanities	122	107	162	187	203	230
Social and behavioral sciences	218	218	275	225	225	249
Natural sciences	94	77	95	90	108	117
Life sciences	56	44	46	57	63	64
Physical sciences	30	28	38	31	37	46
Mathematics	8	5	11	2	8	7
Computer sciences and engineering	28	38	51	50	49	71
Computer and information sciences	1	4	4	5	6	11
Engineering	27	34	47	45	43	60
Technical/professional	603	682	628	671	767	726
Education	454	528	441	513	552	523
Business management	19	18	24	27	29	38
Health professions	41	39	59	45	66	59
Other technical/professional*	89	97	104	86	120	106
Hispanic						
Total	628	788	732	811	827	903
Humanities	89	141	123	137	130	149
Social and behavioral sciences	148	197	192	165	210	213
Natural sciences	111	155	146	175	160	190
Life sciences	50	75	66	89	84	96
Physical sciences	54	75	67	75	68	83
Mathematics	7	5	13	11	8	11
Computer sciences and engineering	46	44	59	64	59	57
Computer and information sciences	4	2	6	6	7	5
Engineering	42	42	53	58	52	52
Technical/professional	234	251	222	270	268	294
Education	166	164	148	187	185	201
Business management	13	9	6	11	10	13
Health professions	16	33	39	26	26	26
Other technical/professional*	39	45	29	46	47	54

**Table 28-8 Number of doctor's degrees conferred, by race/ethnicity and field of study:
Academic years ending 1989-94 - Continued**

Race/ethnicity and field of study	1989	1990	1991	1992	1993	1994
Asian/Pacific Islander						
Total	1,324	1,235	1,459	1,559	1,582	2,025
Humanities	120	129	151	130	142	179
Social and behavioral sciences	162	149	159	170	174	223
Natural sciences	387	347	424	493	537	697
Life sciences	174	158	206	214	265	291
Physical sciences	183	152	177	224	215	323
Mathematics	30	37	41	55	57	83
Computer sciences and engineering	363	341	411	460	437	528
Computer and information sciences	40	32	39	45	56	64
Engineering	323	309	372	415	381	464
Technical/professional	292	269	314	306	292	398
Education	125	87	121	100	123	152
Business management	58	56	54	63	45	66
Health professions	44	62	64	68	64	104
Other technical/professional*	65	64	75	75	60	76
American Indian/Alaskan Native						
Total	85	99	102	118	106	134
Humanities	9	13	7	17	17	21
Social and behavioral sciences	18	20	28	25	29	23
Natural sciences	24	9	15	19	9	16
Life sciences	10	4	5	11	5	9
Physical sciences	13	5	9	6	4	6
Mathematics	1	0	1	2	0	1
Computer sciences and engineering	3	6	8	12	3	6
Computer and information sciences	0	1	1	1	1	1
Engineering	3	5	7	11	2	5
Technical/professional	31	51	44	45	48	68
Education	25	36	35	36	35	42
Business management	2	3	2	2	3	7
Health professions	2	9	3	3	4	7
Other technical/professional*	2	3	4	4	6	12

* Principally composed of public administration at the master's degree level and agriculture and natural resources at the doctor's degree level. See the glossary for a full definition of "other technical/professional" fields.

NOTE: See the supplemental note to *Indicator 27* for a description of fields of study. Includes degrees conferred to U.S. and non-U.S. citizens.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1996*, table 263

(based on IPEDS/HEGIS "Completions" surveys).