

Appendix table 3-4

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**Total S&E jobs, by occupation: 2000 and projected 2010**

(Thousands)

Occupation	2000	2010	Projected change
All occupations .....	145,571	167,754	22,183
All S&E occupations.....	4,706	6,904	2,197
Scientists .....	3,241	5,301	2,059
Life scientists.....	184	218	33
Agriculture and food scientists .....	17	19	2
Biological scientists.....	73	88	15
Conservation scientists and foresters.....	29	31	2
Conservation scientists .....	16	18	1
Foresters .....	12	13	1
Medical scientists .....	37	47	10
Other .....	28	33	5
Mathematical/computer sciences.....	2,408	4,308	1,900
Computer specialists.....	2,318	4,213	1,895
Computer scientists/systems analysts.....	459	729	269
Computer/information scientists, research.....	28	39	11
Computer systems analysts .....	431	689	258
Computer software engineers .....	697	1,361	664
Applications.....	380	760	380
Systems software .....	317	601	284
Computer support specialists.....	506	996	491
Database administrators .....	106	176	70
Network/computer systems administrators .....	229	416	187
Network systems/data communication analysts.....	119	211	92
Other .....	203	325	122
Mathematical sciences .....	89	95	5
Mathematical scientists/technicians.....	85	90	5
Actuaries .....	14	15	1
Mathematicians.....	4	4	—
Operations research analysts.....	47	51	4
Statisticians.....	19	20	—
Other .....	5	5	—
Physical sciences .....	239	283	44
Astronomers/physicists .....	10	11	1
Atmospheric/space scientists.....	7	8	1
Chemists/materials scientists.....	92	110	18
Chemists .....	84	100	16
Materials scientists.....	8	9	2
Environmental scientists/geoscientists .....	97	118	21
Environmental scientists/specialists, including health.....	64	78	14
Geoscientists, except hydrologists and geographers.....	25	30	5
Hydrologists.....	8	10	2
Other .....	33	36	3
Social scientists/related occupations.....	410	492	82
Economists .....	22	26	4
Market/survey researchers.....	113	142	30
Market research analysts.....	90	112	22
Survey researchers .....	23	30	8
Psychologists.....	182	214	33
Social scientists .....	15	17	3
Urban/regional planners .....	30	35	5
Other .....	49	58	8

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**Total S&E jobs, by occupation: 2000 and projected 2010**

(Thousands)

Occupation	2000	2010	Projected change
Engineers .....	1,465	1,603	138
Aerospace .....	50	57	7
Agricultural .....	2	3	—
Biomedical .....	7	9	2
Chemical .....	33	34	1
Civil .....	232	256	24
Computer hardware .....	60	75	15
Electrical and electronics .....	288	319	31
Electrical .....	157	175	18
Electronics, except computer .....	130	144	14
Environmental .....	52	66	14
Industrial, including health and safety .....	198	210	12
Health and safety, except mining safety engineers and inspectors .....	44	49	5
Industrial .....	154	161	7
Marine engineers/naval architects .....	5	5	—
Materials .....	33	35	2
Mechanical .....	221	251	29
Mining/geological, including mining safety .....	6	6	—
Nuclear .....	14	14	—
Petroleum .....	9	8	-1
Other .....	253	254	1

— no change

NOTE: Details may not add to totals because of rounding.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Office of Occupational Statistics and Employment Projections, (Washington, DC, 2001).