

**Table 2M. Federal obligations for basic research, by detailed field of science  
& engineering: All other departments and agencies,  
fiscal years 1970-2003**

[Dollars in thousands]

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Field of science & engineering	1970	1971	1972	1973	1974	1975	1976
Total, all fields .....	35,760	31,594	34,508	44,378	37,588	43,790	46,443
Life sciences, total .....	12,378	8,152	12,645	14,365	14,475	16,396	18,501
Biol & agricultural, total .....	8,833	6,117	10,570	12,351	12,069	13,736	12,898
Biol (excl environmental) .....	NA	NA	NA	NA	NA	NA	NA
Environmental biology .....	NA	NA	NA	NA	NA	NA	NA
Agricultural .....	NA	NA	NA	NA	NA	NA	NA
Medical sciences, total .....	3,545	2,035	2,075	2,014	2,406	2,615	5,512
Clinical medical .....	3,245	1,870	1,905	1,249	1,570	1,745	3,682
Other medical .....	300	165	170	765	836	870	1,830
Life sciences, n.e.c. ....	0	0	0	0	0	45	91
Psychology, total .....	2,887	2,497	1,537	396	434	864	1,546
Biological aspects .....	462	332	342	161	189	195	895
Social aspects .....	2,229	2,165	1,195	235	245	666	651
Psychological sciences, n.e.c. ....	196	0	0	0	0	3	0
Physical sciences, total .....	3,416	2,833	3,844	3,897	3,966	4,248	4,438
Astronomy .....	3,201	2,704	3,747	3,897	3,966	4,248	4,408
Chemistry .....	90	33	33	0	0	0	0
Physics .....	125	96	64	0	0	0	30
Physical sciences, n.e.c. ....	0	0	0	0	0	0	0
Environmental sciences, total .....	655	1,563	1,485	1,711	1,889	1,623	2,207
Atmospheric sciences .....	10	109	97	75	76	85	84
Geological sciences .....	602	1,352	1,326	1,438	1,572	1,390	1,529
Oceanography .....	43	102	62	198	241	148	594
Environmental sciences, n.e.c. ....	0	0	0	0	0	0	0
Math & computer sciences, total .....	181	79	180	0	0	0	0
Mathematics .....	NA	NA	NA	NA	NA	NA	0
Computer sciences .....	NA	NA	NA	NA	NA	NA	0
Math & computer sciences, n.e.c. ....	NA	NA	NA	NA	NA	NA	0
Engineering, total .....	315	341	530	203	560	550	69
Aeronautical .....	16	18	18	0	0	0	0
Astronautical .....	16	18	18	0	0	25	0
Chemical .....	16	18	18	0	0	0	0
Civil .....	114	57	353	76	560	224	0
Electrical .....	30	144	17	0	0	301	19
Mechanical .....	32	24	44	0	0	0	0
Metallurgy & materials .....	16	17	17	0	0	0	0
Engineering, n.e.c. ....	75	45	45	127	0	0	50
Social sciences, total .....	15,928	16,059	14,212	23,494	16,085	16,826	19,136
Anthropology .....	3,169	2,632	2,891	4,256	2,956	2,688	2,575
Economics .....	2,053	3,176	1,699	1,330	1,199	767	1,233
Political science .....	105	28	4	0	42	0	506
Sociology .....	1,631	2,578	3,658	1,417	1,863	6,521	3,903
Social sciences, n.e.c. ....	8,970	7,645	5,960	16,491	10,025	6,850	10,919
History .....	3,457	2,838	3,318	3,688	4,786	4,956	NA
Linguistics .....	255	175	32	63	1	0	NA
Other social sciences .....	5,258	4,632	2,610	12,740	5,238	1,894	NA
Other sciences, n.e.c. ....	0	70	75	312	179	3,283	546

See explanatory information, if any, and SOURCE at end of table.

**Table 2M. Federal obligations for basic research, by detailed field of science  
& engineering: All other departments and agencies,  
fiscal years 1970-2003**

[Dollars in thousands]

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Field of science & engineering	1977	1978	1979	1980	1981	1982	1983
Total, all fields .....	61,020	89,432	85,115	96,858	101,100	99,442	108,734
Life sciences, total .....	21,906	22,832	25,171	29,511	33,393	33,278	39,761
Biol & agricultural, total .....	14,749	15,925	17,544	19,578	21,494	23,439	30,549
Biol (excl environmental) .....	NA	7,255	7,699	9,308	10,458	9,412	14,128
Environmental biology .....	NA	8,670	9,845	10,270	11,036	12,427	11,852
Agricultural .....	NA	0	0	0	0	1,600	4,569
Medical sciences, total .....	7,157	6,907	7,627	9,933	11,899	9,839	9,212
Clinical medical .....	4,781	NA	NA	NA	NA	NA	NA
Other medical .....	2,376	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c. ....	0	0	0	0	0	0	0
Psychology, total .....	1,897	3,671	1,941	3,333	2,067	2,267	1,408
Biological aspects .....	975	1,009	1,169	2,157	1,300	1,793	1,307
Social aspects .....	922	1,762	522	407	767	474	101
Psychological sciences, n.e.c. ....	0	900	250	769	0	0	0
Physical sciences, total .....	7,316	11,477	12,131	13,104	13,649	12,223	13,853
Astronomy .....	5,007	6,417	6,670	7,596	8,144	7,914	9,353
Chemistry .....	2,309	3,716	4,069	4,288	4,285	3,647	4,500
Physics .....	0	1,344	1,392	1,220	1,220	662	0
Physical sciences, n.e.c. ....	0	0	0	0	0	0	0
Environmental sciences, total .....	2,383	2,697	2,898	3,128	3,407	3,845	4,016
Atmospheric sciences .....	103	158	106	115	100	141	88
Geological sciences .....	1,642	1,792	1,938	2,116	2,134	2,665	2,782
Oceanography .....	638	747	854	822	913	1,039	1,146
Environmental sciences, n.e.c. ....	0	0	0	75	260	0	0
Math & computer sciences, total .....	0	0	0	254	258	1,054	1,247
Mathematics .....	0	0	0	254	258	1,054	1,197
Computer sciences .....	0	0	0	0	0	0	50
Math & computer sciences, n.e.c. ....	0	0	0	0	0	0	0
Engineering, total .....	90	1,686	0	0	950	1,000	520
Aeronautical .....	0	0	0	0	0	0	0
Astronautical .....	0	0	0	0	0	0	0
Chemical .....	0	1,300	0	0	0	0	0
Civil .....	90	67	0	0	0	0	20
Electrical .....	0	0	0	0	100	0	0
Mechanical .....	0	7	0	0	750	500	300
Metallurgy & materials .....	0	0	0	0	100	200	100
Engineering, n.e.c. ....	0	312	0	0	0	300	100
Social sciences, total .....	27,279	46,927	42,874	47,428	47,176	45,157	47,598
Anthropology .....	3,805	5,694	5,541	7,006	6,444	6,797	4,817
Economics .....	1,574	1,315	1,456	5,571	5,983	8,759	8,384
Political science .....	0	0	325	1,890	1,285	100	341
Sociology .....	3,188	3,959	1,536	3,049	1,683	1,144	1,530
Social sciences, n.e.c. ....	18,712	35,959	34,016	29,912	31,781	28,357	32,526
History .....	NA	NA	NA	NA	NA	NA	NA
Linguistics .....	NA	NA	NA	NA	NA	NA	NA
Other social sciences .....	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c. ....	149	142	100	100	200	618	331

See explanatory information, if any, and SOURCE at end of table.

**Table 2M. Federal obligations for basic research, by detailed field of science & engineering: All other departments and agencies, fiscal years 1970-2003**

[Dollars in thousands]

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Field of science & engineering	1984	1985	1986	1987	1988	1989	1990
Total, all fields .....	118,897	123,906	107,950	116,365	119,476	121,491	131,308
Life sciences, total .....	42,118	43,351	44,657	46,613	50,037	50,315	51,835
Biol & agricultural, total .....	29,545	32,077	31,191	32,260	33,846	35,415	36,773
Biol (excl environmental) .....	13,643	15,169	13,477	14,413	14,994	16,026	16,820
Environmental biology .....	14,502	13,853	13,951	13,960	15,266	16,462	16,724
Agricultural .....	1,400	3,055	3,763	3,887	3,586	2,927	3,229
Medical sciences, total .....	12,523	11,274	13,466	14,353	14,745	13,421	13,366
Clinical medical .....	NA	NA	NA	NA	NA	NA	NA
Other medical .....	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c. ....	50	0	0	0	1,446	1,479	1,696
Psychology, total .....	2,838	3,166	1,848	2,830	1,078	1,656	417
Biological aspects .....	1,381	1,605	454	1,571	854	1,456	417
Social aspects .....	1,457	1,561	1,202	927	80	100	0
Psychological sciences, n.e.c. ....	0	0	192	332	144	100	0
Physical sciences, total .....	14,684	16,561	16,631	15,699	17,466	18,495	21,140
Astronomy .....	10,186	12,577	11,747	15,134	15,620	16,448	18,066
Chemistry .....	798	277	4,884	565	1,846	1,997	2,547
Physics .....	0	7	0	0	0	50	150
Physical sciences, n.e.c. ....	3,700	3,700	0	0	0	0	377
Environmental sciences, total .....	6,052	4,985	4,779	5,183	5,703	6,108	6,599
Atmospheric sciences .....	85	98	95	55	43	40	44
Geological sciences .....	3,001	3,519	3,328	3,692	4,075	4,369	4,725
Oceanography .....	1,506	1,368	1,356	1,436	1,585	1,699	1,830
Environmental sciences, n.e.c. ....	1,460	0	0	0	0	0	0
Math & computer sciences, total .....	1,454	2,094	3,019	3,100	3,072	1,941	2,144
Mathematics .....	1,404	1,949	2,438	2,521	2,576	1,665	1,822
Computer sciences .....	50	145	581	579	496	276	322
Math & computer sciences, n.e.c. ....	0	0	0	0	0	0	0
Engineering, total .....	1,275	801	652	135	22	0	0
Aeronautical .....	0	0	0	0	0	0	0
Astronautical .....	0	0	0	0	0	0	0
Chemical .....	0	0	0	0	0	0	0
Civil .....	1,275	556	275	135	0	0	0
Electrical .....	0	0	0	0	0	0	0
Mechanical .....	0	0	0	0	0	0	0
Metallurgy & materials .....	0	0	169	0	0	0	0
Engineering, n.e.c. ....	0	245	208	0	22	0	0
Social sciences, total .....	49,835	52,307	34,572	41,392	39,126	40,485	45,893
Anthropology .....	9,214	8,362	2,909	3,088	2,964	3,243	3,421
Economics .....	7,917	6,671	3,879	3,391	2,411	2,184	5,017
Political science .....	200	500	700	1,578	823	920	1,775
Sociology .....	823	1,282	1,557	2,764	2,031	844	853
Social sciences, n.e.c. ....	31,681	35,492	25,527	30,571	30,897	33,294	34,827
History .....	NA	NA	NA	NA	NA	NA	NA
Linguistics .....	NA	NA	NA	NA	NA	NA	NA
Other social sciences .....	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c. ....	641	641	1,792	1,413	2,972	2,491	3,280

See explanatory information, if any, and SOURCE at end of table.

**Table 2M. Federal obligations for basic research, by detailed field of science  
& engineering: All other departments and agencies,  
fiscal years 1970-2003**

[Dollars in thousands]

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Field of science & engineering	1991	1992	1993	1994	1995	1996	1997
Total, all fields .....	145,865	145,179	162,948	170,011	222,066	208,343	208,012
Life sciences, total .....	59,106	57,786	70,359	74,038	71,472	64,154	63,625
Biol & agricultural, total .....	41,292	41,317	53,803	62,206	62,448	56,404	56,018
Biol (excl environmental) .....	19,234	18,433	20,886	24,904	25,181	27,040	27,892
Environmental biology .....	19,628	18,896	22,017	27,611	28,719	28,311	28,126
Agricultural .....	2,430	3,988	10,900	9,691	8,548	1,053	0
Medical sciences, total .....	12,829	13,032	10,300	10,336	6,913	6,424	6,985
Clinical medical .....	NA	NA	NA	NA	NA	NA	NA
Other medical .....	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c. ....	4,985	3,437	6,256	1,496	2,111	1,326	622
Psychology, total .....	418	838	2,319	429	2,471	1,691	1,144
Biological aspects .....	407	688	549	379	1,142	700	544
Social aspects .....	0	150	1,000	50	361	640	600
Psychological sciences, n.e.c. ....	11	0	770	0	968	351	0
Physical sciences, total .....	23,223	28,123	30,463	35,223	38,943	37,583	38,508
Astronomy .....	22,786	27,535	28,352	32,665	36,509	35,416	35,962
Chemistry .....	287	373	928	1,127	1,107	728	710
Physics .....	150	215	1,183	1,431	1,327	1,439	1,542
Physical sciences, n.e.c. ....	0	0	0	0	0	0	294
Environmental sciences, total .....	7,188	6,770	4,504	5,610	6,504	5,813	5,994
Atmospheric sciences .....	71	64	60	80	670	181	89
Geological sciences .....	5,124	4,828	4,148	5,161	5,071	5,225	5,506
Oceanography .....	1,993	1,878	296	369	361	372	393
Environmental sciences, n.e.c. ....	0	0	0	0	402	35	6
Math & computer sciences, total .....	2,631	2,581	6,697	50	17,846	329	665
Mathematics .....	2,089	2,139	100	0	34	17	40
Computer sciences .....	542	442	6,597	50	943	237	541
Math & computer sciences, n.e.c. ....	0	0	0	0	16,869	75	84
Engineering, total .....	0	1,170	1,591	1,840	21,579	36,084	33,465
Aeronautical .....	0	0	0	0	0	0	0
Astronautical .....	0	0	0	0	0	0	0
Chemical .....	0	0	0	0	16	49	0
Civil .....	0	1,170	1,591	1,840	20,460	8,365	7,668
Electrical .....	0	0	0	0	23	0	65
Mechanical .....	0	0	0	0	368	231	33
Metallurgy & materials .....	0	0	0	0	318	13	0
Engineering, n.e.c. ....	0	0	0	0	394	27,426	25,699
Social sciences, total .....	51,290	45,405	44,139	48,369	55,571	57,856	58,754
Anthropology .....	4,089	3,735	3,187	3,478	3,353	3,470	3,657
Economics .....	3,062	3,180	6,948	5,904	13,983	11,800	11,300
Political science .....	2,430	2,398	2,383	100	384	1,115	0
Sociology .....	1,827	1,330	1,610	4,360	4,259	7,620	511
Social sciences, n.e.c. ....	39,882	34,762	30,011	34,527	33,592	33,851	43,286
History .....	NA	NA	NA	NA	NA	NA	NA
Linguistics .....	NA	NA	NA	NA	NA	NA	NA
Other social sciences .....	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c. ....	2,009	2,506	2,876	4,452	7,680	4,833	5,857

See explanatory information, if any, and SOURCE at end of table.

**Table 2M. Federal obligations for basic research, by detailed field of science & engineering: All other departments and agencies, fiscal years 1970-2003**

[Dollars in thousands]

Field of science & engineering	1998	1999	2000	2001	Preliminary	
					2002	2003
Total, all fields .....	306,046	330,143	298,331	328,849	331,838	350,527
Life sciences, total .....	154,532	165,974	170,709	165,478	170,298	179,503
Biol & agricultural, total .....	40,016	32,992	37,754	37,961	NA	NA
Biol (excl environmental) .....	18,737	16,648	19,342	19,199	NA	NA
Environmental biology .....	21,279	16,344	18,412	18,670	NA	NA
Agricultural .....	0	0	0	92	NA	NA
Medical sciences, total .....	114,516	132,982	132,955	127,517	NA	NA
Clinical medical .....	NA	NA	NA	NA	NA	NA
Other medical .....	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c. ....	0	0	0	0	NA	NA
Psychology, total .....	3,366	11,532	13,362	10,763	11,034	11,348
Biological aspects .....	0	14	0	0	NA	NA
Social aspects .....	64	272	0	0	NA	NA
Psychological sciences, n.e.c. ....	3,302	11,246	13,362	10,763	NA	NA
Physical sciences, total .....	39,648	40,326	41,725	41,539	42,441	48,320
Astronomy .....	37,168	36,967	39,404	39,142	NA	NA
Chemistry .....	690	582	613	587	NA	NA
Physics .....	1,634	1,978	1,700	1,774	NA	NA
Physical sciences, n.e.c. ....	156	799	8	36	NA	NA
Environmental sciences, total .....	4,569	4,128	3,696	3,780	3,949	4,498
Atmospheric sciences .....	83	70	76	74	NA	NA
Geological sciences .....	4,025	3,843	3,379	3,459	NA	NA
Oceanography .....	287	215	241	247	NA	NA
Environmental sciences, n.e.c. ....	174	0	0	0	NA	NA
Math & computer sciences, total .....	1,437	1,211	0	2,120	184	194
Mathematics .....	17	0	0	0	NA	NA
Computer sciences .....	1,362	801	0	2,120	NA	NA
Math & computer sciences, n.e.c. ....	58	410	0	0	NA	NA
Engineering, total .....	35,320	55,595	14,236	25,221	27,765	27,472
Aeronautical .....	0	6	0	0	NA	NA
Astronautical .....	0	251	0	0	NA	NA
Chemical .....	3	251	0	0	NA	NA
Civil .....	2,867	28,642	3,736	2,914	NA	NA
Electrical .....	0	0	0	0	NA	NA
Mechanical .....	0	0	0	0	NA	NA
Metallurgy & materials .....	18,885	687	0	0	NA	NA
Engineering, n.e.c. ....	13,565	26,009	10,500	22,307	NA	NA
Social sciences, total .....	64,167	49,934	53,778	79,060	75,262	78,156
Anthropology .....	2,674	1,996	2,245	2,298	NA	NA
Economics .....	11,100	13,200	13,600	1,748	NA	NA
Political science .....	0	7	0	0	NA	NA
Sociology .....	16,372	2,354	2,658	8,335	NA	NA
Social sciences, n.e.c. ....	34,021	32,377	35,275	66,679	NA	NA
History .....	NA	NA	NA	NA	NA	NA
Linguistics .....	NA	NA	NA	NA	NA	NA
Other social sciences .....	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c. ....	3,007	1,443	825	888	905	1,036

**KEY:** NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)  
n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003