TABLE 92

Federal obligations for basic research, by detailed field of science and engineering: FYs 2002–12

(Dollars in millions)

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
All fields	23,668	24,751	26,121	27,140	26,585	26,866	27,154	32,879	31,795	29,314	30,959
Computer sciences and mathematics	999	1,120	1,239	1,228	1,208	1,294	1,407	1,861	1,663	1,788	1,795
Computer sciences	637	730	712	658	671	708	734	978	874	936	922
Mathematics	326	360	479	543	519	561	645	804	717	741	806
Other computer sciences and mathematics	36	30	48	28	19	24	29	79	73	111	66
Engineering	1,865	1,913	2,272	2,300	2,365	2,630	2,736	3,406	3,491	3,168	3,459
Aeronautical engineering	330	256	304	318	243	195	150	185	151	153	402
Astronautical engineering	68	59	67	73	58	44	32	35	32	33	79
Chemical engineering	62	72	69	67	68	109	112	168	143	183	94
Civil engineering	47	51	56	62	67	124	126	186	155	149	35
Electrical engineering	213	226	200	213	205	246	221	297	295	281	299
Mechanical engineering	89	96	90	77	70	78	66	84	80	82	156
Metallurgy and materials engineering	508	581	592	666	811	960	993	1,113	1,091	1,077	1,186
Other engineering	548	572	895	826	842	875	1,036	1,338	1,544	1,209	1,207
Environmental sciences	1,833	1,900	2,023	1,966	1,849	1,728	1,593	2,143	1,787	1,796	2,259
Atmospheric sciences	684	668	727	744	666	584	523	650	597	612	952
Geological sciences	426	462	482	470	445	427	303	430	333	396	502
Oceanography	427	442	453	431	416	437	434	549	472	483	494
Other environmental sciences	296	327	362	321	322	280	333	514	386	305	310
Life sciences	14,024	14,765	14,490	15,248	14,934	15,643	15,557	17,587	17,748	15,373	16,016
Agricultural sciences	531	528	504	511	514	533	495	531	571	547	480
Biological sciences (excluding environmental biology)	8,380	10,471	7,223	7,608	7,700	8,076	8,259	9,600	9,417	8,277	8,317
Environmental biology	335	324	329	339	344	351	368	467	435	435	407
Medical sciences	3,361	2,919	5,477	5,703	5,454	5,504	5,314	5,748	5,787	5,086	5,528
Other life sciences	1,418	522	957	1,087	922	1,180	1,122	1,241	1,537	1,029	1,283
Physical sciences	3,406	3,454	3,663	3,739	3,516	3,544	3,403	4,121	3,984	3,815	4,557
Astronomy	603	696	765	778	687	593	483	618	504	499	925
Chemistry	749	749	776	764	721	733	726	835	828	774	776
Physics	1,862	1,821	1,905	1,996	1,911	2,012	1,987	2,370	2,377	2,275	2,568
Other physical sciences	192	189	217	200	197	207	208	298	275	267	287
Psychology	465	544	979	1,040	945	979	936	1,100	1,129	979	1,088
Biological aspects	8	11	1	*	1	1	1	2	10	13	13
Social aspects	5	4	5	4	5	5	7	19	18	17	13
Other psychological sciences	452	529	973	1,035	939	972	929	1,080	1,101	949	1,061
Social sciences	362	353	419	391	381	361	330	432	359	371	381
Anthropology	15	13	13	15	14	15	15	28	24	26	27
Economics	45	48	48	51	46	52	44	52	44	54	55
Political science	6	6	7	11	11	9	16	13	10	9	10
Sociology	19	49	49	18	19	41	14	33	30	36	39
Other social sciences	276	237	303	296	290	244	241	306	251	246	251
Other sciences nec	715	703	1,036	1,228	1,386	686	1,191	2,228	1,633	2,023	1,405

* = amount greater than $0 but less than $500,000.

nec = not elsewhere classified.

Note(s):
Because of rounding, detail may not add to total. FYs 2009 and 2010 obligations include additional funding provided by the American Recovery and Reinvestment Act of 2009.

Source(s):
National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.