Table 92. Federal obligations for basic research, by detailed field of science and engineering: FYs 2005–15

(Dollars in millions)

Field	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
All fields	27,140	26,585	26,866	27,154	32,879	31,795	29,314	30,959	29,779	31,588	31,527
Computer sciences and mathematics	1,228	1,208	1,294	1,407	1,861	1,663	1,788	1,795	1,691	1,918	1,984
Computer sciences	658	671	708	734	978	874	936	922	860	959	1,025
Mathematics	543	519	561	645	804	717	741	806	757	824	874
Other computer sciences and mathematics	28	19	24	29	79	73	111	66	73	134	86
Engineering	2,300	2,365	2,630	2,736	3,406	3,491	3,168	3,459	3,408	3,545	3,694
Aeronautical engineering	318	243	195	150	185	151	153	402	409	447	469
Astronautical engineering	73	58	44	32	35	32	33	79	85	93	99
Chemical engineering	67	68	109	112	168	143	183	94	84	104	60
Civil engineering	62	67	124	126	186	155	149	35	28	28	54
Electrical engineering	213	205	246	221	297	295	281	299	259	248	228
Mechanical engineering	77	70	78	66	84	80	82	156	147	129	126
Metallurgy and materials engineering	666	811	960	993	1,113	1,091	1,077	1,186	1,201	1,233	1,290
Other engineering	826	842	875	1,036	1,338	1,544	1,209	1,207	1,194	1,264	1,368
Environmental sciences	1,966	1,849	1,728	1,593	2,143	1,787	1,796	2,259	2,396	2,753	2,738
Atmospheric sciences	744	666	584	523	650	597	612	952	995	1,037	1,051
Geological sciences	470	445	427	303	430	333	396	502	411	418	433
Oceanography	431	416	437	434	549	472	483	494	457	483	432
Other environmental sciences	321	322	280	333	514	386	305	310	533	816	822
Life sciences	15,248	14,934	15,643	15,557	17,587	17,748	15,373	16,016	15,317	16,019	15,210
Agricultural sciences	511	514	533	495	531	571	547	480	462	514	554
Biological sciences (excluding environmental biology)	7,608	7,700	8,076	8,259	9,600	9,417	8,277	8,317	7,919	8,284	7,758
Environmental biology	339	344	351	368	467	435	435	407	384	395	399
Medical sciences	5,703	5,454	5,504	5,314	5,748	5,787	5,086	5,528	5,326	5,564	5,270
Other life sciences	1,087	922	1,180	1,122	1,241	1,537	1,029	1,283	1,226	1,263	1,228
Physical sciences	3,739	3,516	3,544	3,403	4,121	3,984	3,815	4,557	4,432	4,637	4,621
Astronomy	778	687	593	483	618	504	499	925	974	1,036	1,073
Chemistry	764	721	733	726	835	828	774	776	715	722	672
Physics	1,996	1,911	2,012	1,987	2,370	2,377	2,275	2,568	2,469	2,576	2,569
Other physical sciences	200	197	207	208	298	275	267	287	275	303	306
Psychology	1,040	945	979	936	1,100	1,129	979	1,088	1,016	1,038	1,000
Biological aspects	*	1	1	1	2	10	13	13	14	14	14
Social aspects	4	5	5	7	19	18	17	13	16	13	14
Other psychological sciences	1,035	939	972	929	1,080	1,101	949	1,061	986	1,011	972
Social sciences	391	381	361	330	432	359	371	381	374	386	345
Anthropology	15	14	15	15	28	24	26	27	24	24	28
Economics	51	46	52	44	52	44	54	55	58	58	47
Political science	11	11	9	16	13	10	9	10	9	12	12

Table 92. Federal obligations for basic research, by detailed field of science and engineering: FYs 2005–15

(Dollars in millions)

Field	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Sociology	18	19	41	14	33	30	36	39	24	31	27
Other social sciences	296	290	244	241	306	251	246	251	258	261	230
Other sciences nec	1,228	1,386	686	1,191	2,228	1,633	2,023	1,405	1,146	1,292	1,935

* = 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.