

TABLE 12. Higher education R&D expenditures for capitalized equipment, by R&D field, source of funds, and institutional control: FY 2011
(Dollars in thousands)

Field	All expenditures			Federal			Nonfederal		
	Total	Public	Private	Total	Public	Private	Total	Public	Private
All R&D fields	2,255,477	1,551,946	703,531	1,416,065	898,914	517,151	839,412	653,032	186,380
Science	1,627,653	1,094,315	533,338	1,079,955	681,729	398,226	547,698	412,586	135,112
Computer sciences	88,967	61,093	27,874	64,919	43,628	21,291	24,048	17,465	6,583
Environmental sciences	113,788	93,388	20,400	80,011	63,134	16,877	33,777	30,254	3,523
Atmospheric sciences	20,355	17,794	2,561	16,063	14,439	1,624	4,292	3,355	937
Earth sciences	46,359	34,411	11,948	30,852	20,650	10,202	15,507	13,761	1,746
Oceanography	30,761	28,826	1,935	20,530	18,917	1,613	10,231	9,909	322
Environmental sciences, nec	16,313	12,357	3,956	12,566	9,128	3,438	3,747	3,229	518
Life sciences	933,584	617,093	316,491	596,867	354,006	242,861	336,717	263,087	73,630
Agricultural sciences	74,092	72,673	1,419	28,658	27,567	1,091	45,434	45,106	328
Biological sciences	389,826	246,886	142,940	267,574	154,224	113,350	122,252	92,662	29,590
Medical sciences	414,264	256,535	157,729	260,395	142,082	118,313	153,869	114,453	39,416
Life sciences, nec	55,402	40,999	14,403	40,240	30,133	10,107	15,162	10,866	4,296
Mathematical sciences	7,099	3,300	3,799	4,621	2,502	2,119	2,478	798	1,680
Physical sciences	378,603	256,393	122,210	292,325	188,911	103,414	86,278	67,482	18,796
Astronomy	25,064	14,405	10,659	19,610	9,990	9,620	5,454	4,415	1,039
Chemistry	155,361	111,938	43,423	113,032	78,574	34,458	42,329	33,364	8,965
Physics	179,743	123,175	56,568	146,741	96,329	50,412	33,002	26,846	6,156
Physical sciences, nec	18,435	6,875	11,560	12,942	4,018	8,924	5,493	2,857	2,636
Psychology	16,714	11,631	5,083	12,363	7,765	4,598	4,351	3,866	485
Social sciences	14,352	11,545	2,807	7,955	6,750	1,205	6,397	4,795	1,602
Economics	2,435	874	1,561	771	488	283	1,664	386	1,278
Political sciences	1,052	811	241	436	388	48	616	423	193
Sociology	1,924	1,542	382	1,183	872	311	741	670	71
Social sciences, nec	8,941	8,318	623	5,565	5,002	563	3,376	3,316	60
Sciences, nec	74,546	39,872	34,674	20,894	15,033	5,861	53,652	24,839	28,813
Engineering	569,957	413,855	156,102	319,671	204,717	114,954	250,286	209,138	41,148
Aeronautical/astronautical engineering	34,285	23,789	10,496	19,051	15,246	3,805	15,234	8,543	6,691
Bioengineering/biomedical engineering	52,341	35,308	17,033	28,373	13,982	14,391	23,968	21,326	2,642
Chemical engineering	56,063	41,949	14,114	31,032	21,607	9,425	25,031	20,342	4,689
Civil engineering	51,093	43,030	8,063	19,752	13,501	6,251	31,341	29,529	1,812
Electrical engineering	138,883	96,216	42,667	88,833	54,447	34,386	50,050	41,769	8,281
Mechanical engineering	84,391	57,094	27,297	51,889	29,997	21,892	32,502	27,097	5,405
Metallurgical/materials engineering	52,426	38,938	13,488	29,214	19,045	10,169	23,212	19,893	3,319
Engineering, nec	100,475	77,531	22,944	51,527	36,892	14,635	48,948	40,639	8,309
Non-S&E	57,867	43,776	14,091	16,439	12,468	3,971	41,428	31,308	10,120
Business and management	5,965	2,999	2,966	2,211	1,714	497	3,754	1,285	2,469
Communications, journalism, and library science	11,450	11,065	385	442	106	336	11,008	10,959	49
Education	10,862	8,375	2,487	7,715	5,918	1,797	3,147	2,457	690
Humanities	1,718	1,164	554	198	100	98	1,520	1,064	456
Law	504	107	397	403	27	376	101	80	21
Social work	966	867	99	760	756	4	206	111	95
Visual and performing arts	1,010	750	260	62	42	20	948	708	240
Non-S&E, nec	25,392	18,449	6,943	4,648	3,805	843	20,744	14,644	6,100

nec = not elsewhere classified; S&E = science and engineering.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2011.