

TABLE A-18. Imputed amounts for total and federally financed higher education R&D equipment expenditures, by R&D field: FY 2011
(Dollars in millions)

R&D field	Total			Federally financed		
	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All R&D fields	2,255	17	0.8	1,416	12	0.8
All science and engineering	2,198	90	4.1	1,400	44	3.1
Computer sciences	89	7	7.7	65	2	2.9
Environmental sciences	114	2	2.2	80	1	1.6
Atmospheric sciences	20	1	5.3	16	0	2.2
Earth sciences	46	0	0.5	31	0	0.5
Oceanography	31	0	1.0	21	0	1.2
Environmental sciences, nec	16	1	5.3	13	0	3.9
Life sciences	934	22	2.3	597	17	2.9
Agricultural sciences	74	1	0.7	29	0	0.9
Biological sciences	390	8	2.1	268	6	2.2
Medical sciences	414	14	3.4	260	12	4.5
Life sciences, nec	55	1	2.4	40	1	3.0
Mathematical sciences	7	2	28.8	5	1	11.5
Physical sciences	379	7	1.9	292	5	1.9
Astronomy	25	2	6.6	20	1	7.5
Chemistry	155	1	0.7	113	1	0.8
Physics	180	4	2.1	147	3	1.8
Physical sciences, nec	18	1	2.8	13	0	3.8
Psychology	17	0	1.7	12	0	2.0
Social sciences	14	1	6.8	8	1	9.1
Economics	2	0	4.8	1	0	10.4
Political sciences	1	0	5.7	0	0	9.9
Sociology	2	0	10.9	1	0	14.9
Social sciences, nec	9	1	6.5	6	0	7.7
Sciences, nec	75	22	29.1	21	1	4.8
Engineering	570	26	4.6	320	15	4.8
Aeronautical/astronautical engineering	34	10	29.3	19	2	8.5
Bioengineering/biomedical engineering	52	5	10.0	28	1	3.4
Chemical engineering	56	7	12.1	31	0	1.3
Civil engineering	51	12	23.2	20	1	2.8
Electrical engineering	139	17	12.3	89	4	4.7
Mechanical engineering	84	12	13.8	52	4	6.9
Metallurgical/materials engineering	52	4	8.2	29	0	0.3
Engineering, nec	100	18	17.9	52	5	9.3
All non-science and engineering	58	2	3.4	16	1	6.9
Business and management	6	0	5.4	2	0	8.1
Communications, journalism, and library science	11	0	0.9	0	0	21.9
Education	11	1	5.7	8	0	2.5
Humanities	2	0	2.9	0	0	10.1
Law	1	0	12.3	0	0	7.2
Social work	1	0	9.1	1	0	0.7
Visual and performing arts	1	0	1.1	0	0	0.0
Non-science and engineering, nec	25	1	2.8	5	1	13.3

nec = not elsewhere classified.

NOTES: Imputation rate at total level is lower than imputation rates at R&D field levels because some institutions could provide totals but not R&D field details. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

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