TABLE 30. Federal obligations for basic research, by detailed field of science and engineering: FY 2009–11
(Dollars in thousands)

Field	2009	Preliminary 2010	Preliminary 2011
All fields	32,877,860	32,051,646	30,083,418
Environmental sciences	2,142,906	1,708,735	1,772,822
Atmospheric sciences	650,453	NA	NA
Geological sciences	429,728	NA	NA
Oceanography	549,218	NA	NA
Environmental sciences, nec	513,508	NA	NA
Life sciences	17,587,583	17,769,882	15,887,221
Agricultural sciences	531,396	NA	NA
Biological sciences (excluding environmental biology)	9,600,252	NA	NA
Environmental biology	466,661	NA	NA
Medical sciences	5,747,625	NA	NA
Life sciences, nec	1,241,650	NA	NA
Mathematics and computer sciences	1,861,739	1,612,130	1,661,721
Computer sciences	978,233	NA	NA
Mathematics	804,466	NA	NA
Mathematics and computer sciences, nec	79,039	NA	NA
Physical sciences	4,121,846	3,957,335	4,028,641
Astronomy	617,727	NA	NA
Chemistry	835,708	NA	NA
Physics	2,370,858	NA	NA
Physical sciences, nec	297,553	NA	NA
Psychology	1,100,732	1,133,448	991,177
Biological aspects	1,928	NA	NA
Social aspects	18,556	NA	NA
Psychological sciences, nec	1,080,248	NA	NA
Social sciences	426,089	379,027	393,279
Anthropology	27,730	NA	NA
Economics	45,724	NA	NA
Political science	13,036	NA	NA
Sociology	33,325	NA	NA
Social sciences, nec	306,274	NA	NA
Other sciences, nec	2,228,212	2,120,396	1,980,762
Engineering	3,408,752	3,370,693	3,367,796
Aeronautical engineering	185,717	NA	NA
Astronautical engineering	35,324	NA	NA
Chemical engineering	167,644	NA	NA
Civil engineering	185,523	NA	NA
Electrical engineering	297,681	NA	NA
Mechanical engineering	84,316	NA	NA
Metallurgy and materials engineering	1,112,864	NA	NA
Engineering, nec	1,339,684	NA	NA

NA = not available; data collected for this table were not recorded at that level in that particular fiscal year.

nec = not elsewhere classified.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development: FY 2009–11.