

TABLE 47

Federal obligations for research performed at higher education institutions, by detailed field of R&D: FY 2023

(Dollars in thousands)

Field	2023
All fields	41,779,688
Computer and information sciences	1,514,752
Geosciences, atmospheric sciences, and ocean sciences	2,448,668
Atmospheric science and meteorology	381,438
Geological and earth sciences	193,911
Ocean sciences and marine sciences	732,003
Other geosciences, atmospheric sciences, and ocean sciences	1,141,316
Life sciences	19,755,498
Agricultural sciences	186,599
Biological and biomedical sciences	11,271,990
Health sciences	5,823,294
Natural resources and conservation	30,186
Other life sciences	2,443,429
Mathematics and statistics	655,746
Physical sciences	4,275,860
Astronomy and astrophysics	426,669
Chemistry	1,020,234
Materials science	416,272
Physics	1,212,523
Other physical sciences	1,200,162
Psychology	3,158,573
Biological aspects	36,332
Social aspects	14,788
Other psychological sciences	3,107,453
Social sciences	1,749,173
Anthropology	18,902
Economics	118,487
Political science and government	2,769
Sociology, demography, and population studies	84,169
Other social sciences	1,524,845
Engineering	4,902,419
Aerospace, aeronautical, and astronautical engineering	250,087
Bioengineering and biomedical engineering	176,052
Chemical engineering	284,112
Civil engineering	112,269
Electrical, electronics, and communications engineering	272,825
Industrial and manufacturing engineering	83,348
Mechanical engineering	175,964
Metallurgical and materials engineering	300,074
Other engineering	3,247,688
Other fields	3,319,000
Business management and business administration	144,404
Communication and communications technologies	6,360
Education research	821,429
Humanities	404
Law	5,432
Social work	0
Visual and performing arts	0
All other fields	2,340,970

Note(s):

Because of rounding, detail may not add to total.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2023–24.