

TABLE 49

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

(Dollars in thousands)

Field	2023
All fields	23,777,513
Computer and information sciences	1,105,830
Geosciences, atmospheric sciences, and ocean sciences	1,563,299
Atmospheric science and meteorology	187,451
Geological and earth sciences	186,525
Ocean sciences and marine sciences	455,820
Other geosciences, atmospheric sciences, and ocean sciences	733,504
Life sciences	10,252,424
Agricultural sciences	106,494
Biological and biomedical sciences	5,998,002
Health sciences	2,908,460
Natural resources and conservation	11,519
Other life sciences	1,227,949
Mathematics and statistics	504,700
Physical sciences	3,698,458
Astronomy and astrophysics	414,878
Chemistry	746,002
Materials science	392,461
Physics	1,122,103
Other physical sciences	1,023,015
Psychology	1,623,596
Biological aspects	16,132
Social aspects	10,187
Other psychological sciences	1,597,278
Social sciences	872,450
Anthropology	17,567
Economics	56,682
Political science and government	843
Sociology, demography, and population studies	34,951
Other social sciences	762,407
Engineering	2,351,648
Aerospace, aeronautical, and astronautical engineering	103,005
Bioengineering and biomedical engineering	43,690
Chemical engineering	106,960
Civil engineering	60,545
Electrical, electronics, and communications engineering	165,014
Industrial and manufacturing engineering	69,336
Mechanical engineering	104,109
Metallurgical and materials engineering	151,229
Other engineering	1,547,761
Other fields	1,805,108
Business management and business administration	45,422
Communication and communications technologies	0
Education research	370,180
Humanities	304
Law	5,432
Social work	0
Visual and performing arts	0
All other fields	1,383,769

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.