

TABLE 51

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

(Dollars in thousands)

Field	2023
All fields	18,002,174
Computer and information sciences	408,922
Geosciences, atmospheric sciences, and ocean sciences	885,369
Atmospheric science and meteorology	193,987
Geological and earth sciences	7,386
Ocean sciences and marine sciences	276,183
Other geosciences, atmospheric sciences, and ocean sciences	407,813
Life sciences	9,503,074
Agricultural sciences	80,105
Biological and biomedical sciences	5,273,988
Health sciences	2,914,835
Natural resources and conservation	18,667
Other life sciences	1,215,479
Mathematics and statistics	151,046
Physical sciences	577,402
Astronomy and astrophysics	11,791
Chemistry	274,233
Materials science	23,812
Physics	90,420
Other physical sciences	177,147
Psychology	1,534,976
Biological aspects	20,201
Social aspects	4,601
Other psychological sciences	1,510,175
Social sciences	876,723
Anthropology	1,335
Economics	61,805
Political science and government	1,926
Sociology, demography, and population studies	49,218
Other social sciences	762,438
Engineering	2,550,770
Aerospace, aeronautical, and astronautical engineering	147,082
Bioengineering and biomedical engineering	132,362
Chemical engineering	177,153
Civil engineering	51,724
Electrical, electronics, and communications engineering	107,811
Industrial and manufacturing engineering	14,011
Mechanical engineering	71,855
Metallurgical and materials engineering	148,845
Other engineering	1,699,927
Other fields	1,513,893
Business management and business administration	98,982
Communication and communications technologies	6,360
Education research	451,250
Humanities	99
Law	0
Social work	0
Visual and performing arts	0
All other fields	957,201

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.