

TABLE 51

Federal obligations for applied research performed at higher education institutions, by detailed field of R&D: FY 2022

(Dollars in thousands)

Field	2022
All fields	16,808,860
Computer and information sciences	399,645
Geosciences, atmospheric sciences, and ocean sciences	704,711
Atmospheric science and meteorology	124,205
Geological and earth sciences	32,873
Ocean sciences and marine sciences	219,250
Other geosciences, atmospheric sciences, and ocean sciences	328,383
Life sciences	10,073,227
Agricultural sciences	107,211
Biological and biomedical sciences	5,381,993
Health sciences	3,399,190
Natural resources and conservation	18,432
Other life sciences	1,166,400
Mathematics and statistics	109,915
Physical sciences	480,015
Astronomy and astrophysics	75
Chemistry	375,980
Materials science	17,543
Physics	48,202
Other physical sciences	38,215
Psychology	1,469,912
Biological aspects	502
Social aspects	3,935
Other psychological sciences	1,465,475
Social sciences	573,349
Anthropology	6,979
Economics	49,249
Political science and government	1,502
Sociology, demography, and population studies	38,421
Other social sciences	477,198
Engineering	2,015,822
Aerospace, aeronautical, and astronautical engineering	104,449
Bioengineering and biomedical engineering	86,558
Chemical engineering	122,297
Civil engineering	55,613
Electrical, electronics, and communications engineering	117,530
Industrial and manufacturing engineering	53,344
Mechanical engineering	47,152
Metallurgical and materials engineering	118,619
Other engineering	1,310,261
Other fields	982,265
Business management and business administration	35,992
Communication and communications technologies	7,760
Education research	485,123
Humanities	*
Law	91
Social work	0
Visual and performing arts	0
All other fields	453,300

* = amount greater than \$0 but less than \$500.

Note(s):

Because of rounding, detail may not add to total. FY 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act).

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2022–23.