

TABLE 49

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

(Dollars in thousands)

Field	2022
All fields	22,260,098
Computer and information sciences	974,835
Geosciences, atmospheric sciences, and ocean sciences	1,438,969
Atmospheric science and meteorology	176,928
Geological and earth sciences	183,877
Ocean sciences and marine sciences	453,031
Other geosciences, atmospheric sciences, and ocean sciences	625,132
Life sciences	10,607,163
Agricultural sciences	94,736
Biological and biomedical sciences	6,162,998
Health sciences	3,213,201
Natural resources and conservation	990
Other life sciences	1,135,238
Mathematics and statistics	404,997
Physical sciences	3,347,125
Astronomy and astrophysics	384,787
Chemistry	808,157
Materials science	341,500
Physics	832,830
Other physical sciences	979,851
Psychology	1,508,304
Biological aspects	16,319
Social aspects	10,975
Other psychological sciences	1,481,010
Social sciences	568,185
Anthropology	18,432
Economics	34,736
Political science and government	171
Sociology, demography, and population studies	21,512
Other social sciences	493,334
Engineering	2,148,585
Aerospace, aeronautical, and astronautical engineering	43,116
Bioengineering and biomedical engineering	35,808
Chemical engineering	107,116
Civil engineering	60,015
Electrical, electronics, and communications engineering	142,225
Industrial and manufacturing engineering	39,924
Mechanical engineering	94,506
Metallurgical and materials engineering	74,164
Other engineering	1,551,710
Other fields	1,261,936
Business management and business administration	14,628
Communication and communications technologies	0
Education research	310,795
Humanities	1
Law	5,765
Social work	0
Visual and performing arts	0
All other fields	930,746

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.