

TABLE 53

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

(Dollars in thousands)

Field	2022
All fields	3,109,857
Computer and information sciences	61,924
Geosciences, atmospheric sciences, and ocean sciences	121,630
Atmospheric science and meteorology	40,015
Geological and earth sciences	8,521
Ocean sciences and marine sciences	23,993
Other geosciences, atmospheric sciences, and ocean sciences	49,102
Life sciences	935,500
Agricultural sciences	26,011
Biological and biomedical sciences	856,060
Health sciences	44,184
Natural resources and conservation	6,660
Other life sciences	2,585
Mathematics and statistics	4,238
Physical sciences	718,347
Astronomy and astrophysics	176,362
Chemistry	20,062
Materials science	1,084
Physics	147,720
Other physical sciences	373,118
Psychology	7,648
Biological aspects	0
Social aspects	91
Other psychological sciences	7,557
Social sciences	5,497
Anthropology	266
Economics	62
Political science and government	125
Sociology, demography, and population studies	735
Other social sciences	4,309
Engineering	943,170
Aerospace, aeronautical, and astronautical engineering	208,614
Bioengineering and biomedical engineering	4,576
Chemical engineering	36,457
Civil engineering	12,388
Electrical, electronics, and communications engineering	88,033
Industrial and manufacturing engineering	105,003
Mechanical engineering	17,900
Metallurgical and materials engineering	20,481
Other engineering	449,718
Other fields	311,903
Business management and business administration	9,630
Communication and communications technologies	10,262
Education research	85,936
Humanities	0
Law	0
Social work	0
Visual and performing arts	0
All other fields	206,076

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.