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	16,808,86
Computer and information sciences	399,64
Geosciences, atmospheric sciences, and ocean sciences	704,71
Atmospheric science and meteorology	124,20
Geological and earth sciences	32,87
Ocean sciences and marine sciences	219,25
Other geosciences, atmospheric sciences, and ocean sciences	328,38
Life sciences	10,073,22
Agricultural sciences	107,2
Biological and biomedical sciences	5,381,99
Health sciences	3,399,1
Natural resources and conservation	18,43
Other life sciences	1,166,4
Mathematics and statistics	109,9
Physical sciences	480,0
Astronomy and astrophysics	-
Chemistry	375,98
Materials science	17,5
Physics	48,2
Other physical sciences	38,2
Psychology	1,469,9
Biological aspects	5
Social aspects	3,9:
Other psychological sciences	1,465,4
Social sciences	573,3
Anthropology	6,9
Economics	49,2
Political science and government	1,5
Sociology, demography, and population studies	38,4
Other social sciences	477,1
Engineering	2,015,8
Aerospace, aeronautical, and astronautical engineering	104,4
Bioengineering and biomedical engineering	86,5
Chemical engineering	122,2
Civil engineering	55,6
Electrical, electronics, and communications engineering	117,5
Industrial and manufacturing engineering	53,3
Mechanical engineering	47,1
Metallurgical and materials engineering	118,6
Other engineering	1,310,2
Other fields	982,2
Business management and business administration	35,9
Communication and communications technologies	7,7
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Education research	485,1
Humanities	
Law	
Social work	
Visual and performing arts  All other fields	453,30

 $<sup>\</sup>star$  = amount greater than \$0 but less than \$500.

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## 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.