TABLE 47

Federal obligations for research performed at higher education institutions, by detailed field of R&D: FY 2021
(Dollars in thousands)

Field	2021
All fields	37,026,66
Computer and information sciences	1,465,78
Geosciences, atmospheric sciences, and ocean sciences	1,664,58
Atmospheric science and meteorology	296,63
Geological and earth sciences	253,98
Ocean sciences and marine sciences	627,77
Other geosciences, atmospheric sciences, and ocean sciences	486,18
Life sciences	20,475,04
Agricultural sciences	168,53
Biological and biomedical sciences	11,340,90
Health sciences	6,800,73
Natural resources and conservation	12,55
Other life sciences	2,152,31
Mathematics and statistics	479,90
Physical sciences	2,412,95
Astronomy and astrophysics	80,63
Chemistry	608,38
Materials science	345,23
Physics	852,77
Other physical sciences	525,91
Psychology	2,471,45
Biological aspects	13,45
Social aspects	13,18
Other psychological sciences	2,444,82
Social sciences	789,58
Anthropology	27,71
Economics	
	90,10
Political science and government	8,72
Sociology, demography, and population studies	63,76
Other social sciences	599,27
Engineering	3,682,71
Aerospace, aeronautical, and astronautical engineering	125,88
Bioengineering and biomedical engineering	108,54
Chemical engineering	229,97
Civil engineering	101,36
Electrical, electronics, and communications engineering	243,92
Industrial and manufacturing engineering	55,82
Mechanical engineering	149,32
Metallurgical and materials engineering	185,74
Other engineering	2,482,13
Other fields	3,584,63
Business management and business administration	73,78
Communication and communications technologies	1,81
Education research	741,85
Humanities	5,48
Law	51
Social work	
Visual and performing arts	
All other fields	2,761,18

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Note(s)

Because of rounding, detail may not add to total. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). As of volume 71 (FYs 2021–22), the fields of R&D (formerly, "fields of science and engineering") were revised for consistency with other National Center for Science and Engineering Statistics surveys; some fields were added, merged, or split, and some fields were renamed. Therefore, the data are not directly comparable with totals reported in previous years. See technical table A-3 for additional notes associated with the taxonomy changes to the fields listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021-22.