

TABLE 33

Federal obligations for applied research, by detailed field of R&D: FYs 2023–24

(Dollars in thousands)

Field	2023	2024 (preliminary)
All fields	54,272,792	51,146,662
Computer and information sciences	2,793,427	3,019,539
Geosciences, atmospheric sciences, and ocean sciences	2,223,109	2,190,056
Atmospheric science and meteorology	512,906	NA
Geological and earth sciences	114,917	NA
Ocean sciences and marine sciences	606,874	NA
Other geosciences, atmospheric sciences, and ocean sciences	988,412	NA
Life sciences	25,396,835	21,890,875
Agricultural sciences	537,248	NA
Biological and biomedical sciences	15,223,772	NA
Health sciences	7,273,796	NA
Natural resources and conservation	314,385	NA
Other life sciences	2,047,635	NA
Mathematics and statistics	325,675	336,689
Physical sciences	3,171,432	2,948,862
Astronomy and astrophysics	901	NA
Chemistry	749,434	NA
Materials science	191,441	NA
Physics	1,221,093	NA
Other physical sciences	1,008,562	NA
Psychology	2,434,201	2,470,311
Biological aspects	9,613	NA
Social aspects	22,528	NA
Other psychological sciences	2,402,060	NA
Social sciences	1,512,657	1,564,928
Anthropology	1,626	NA
Economics	213,814	NA
Political science and government	3,203	NA
Sociology, demography, and population studies	79,727	NA
Other social sciences	1,214,286	NA
Engineering	11,678,991	11,251,302
Aerospace, aeronautical, and astronautical engineering	1,563,724	NA
Bioengineering and biomedical engineering	66,097	NA
Chemical engineering	898,327	NA
Civil engineering	608,768	NA
Electrical, electronics, and communications engineering	1,090,093	NA
Industrial and manufacturing engineering	320,239	NA
Mechanical engineering	338,476	NA
Metallurgical and materials engineering	406,275	NA
Other engineering	6,386,991	NA
Other fields	4,736,464	5,474,100
Business management and business administration	106,817	NA
Communication and communications technologies	31,211	NA
Education research	672,955	NA
Humanities	93	NA
Law	0	NA
Social work	2	NA
Visual and performing arts	0	NA
All other fields	3,925,386	NA

NA = not available; data were not collected at that level for that fiscal year.

Note(s):

Because of rounding, detail may not add to total.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2023–24.