

Table 49. Federal obligations for basic research performed at higher education institutions, by detailed field of R&D: FY 2024

(Dollars in thousands)

Field	2024
All fields	22,047,213
Computer and information sciences	894,470
Geosciences, atmospheric sciences, and ocean sciences	1,327,081
Atmospheric science and meteorology	171,472
Geological and earth sciences	161,018
Ocean sciences and marine sciences	318,949
Other geosciences, atmospheric sciences, and ocean sciences	675,641
Life sciences	9,637,680
Agricultural sciences	101,847
Biological and biomedical sciences	5,745,264
Health sciences	2,574,049
Natural resources and conservation	1,858
Other life sciences	1,214,662
Mathematics and statistics	394,141
Physical sciences	3,182,257
Astronomy and astrophysics	462,183
Chemistry	875,603
Materials science	320,715
Physics	872,078
Other physical sciences	651,677
Psychology	1,788,182
Biological aspects	11,783
Social aspects	7,482
Other psychological sciences	1,768,917
Social sciences	977,294
Anthropology	16,926
Economics	41,699
Political science and government	4,600
Sociology, demography, and population studies	23,801
Other social sciences	890,267
Engineering	2,321,444
Aerospace, aeronautical, and astronautical engineering	26,432
Bioengineering and biomedical engineering	47,950
Chemical engineering	81,719
Civil engineering	58,431
Electrical, electronics, and communications engineering	128,551
Industrial and manufacturing engineering	27,969
Mechanical engineering	95,400
Metallurgical and materials engineering	202,172
Other engineering	1,652,821
Other fields	1,524,665
Business management and business administration	24,379
Communication and communications technologies	210
Education research	297,213
Humanities	2
Law	5,160
Social work	0
Visual and performing arts	0
All other fields	1,197,699

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 2024–25.