

TABLE 17

Federal obligations for research, by detailed field of science and engineering: FYs 2020–21

(Dollars in thousands)

Field	2020	2021 (preliminary)
All fields	85,304,757.4	85,155,455.8
Computer sciences and mathematics	5,912,385.2	6,063,316.7
Computer sciences	4,280,495.2	NA
Mathematics	681,446.8	NA
Other computer sciences and mathematics	950,443.2	NA
Engineering	13,222,044.8	14,238,054.0
Aeronautical engineering	1,093,479.7	NA
Astronautical engineering	915,907.0	NA
Chemical engineering	788,211.4	NA
Civil engineering	475,684.1	NA
Electrical engineering	880,629.5	NA
Mechanical engineering	522,834.4	NA
Metallurgy and materials engineering	704,470.0	NA
Other engineering	7,840,828.8	NA
Environmental sciences	5,039,457.8	4,631,699.6
Atmospheric sciences	908,063.5	NA
Geological sciences	306,030.2	NA
Oceanography	946,188.4	NA
Other environmental sciences	2,879,175.7	NA
Life sciences	42,524,844.3	42,013,903.5
Agricultural sciences	1,412,605.2	NA
Biological sciences (excluding environmental biology)	20,165,399.3	NA
Environmental biology	901,919.9	NA
Medical sciences	16,182,200.3	NA
Other life sciences	3,862,719.5	NA
Physical sciences	8,419,870.0	8,775,432.2
Astronomy	871,340.8	NA
Chemistry	1,143,827.0	NA
Physics	3,577,082.3	NA
Other physical sciences	2,827,620.0	NA
Psychology	3,275,830.0	3,264,983.5
Biological aspects	13,529.5	NA
Social aspects	41,845.9	NA
Other psychological sciences	3,220,454.7	NA
Social sciences	1,137,411.4	1,266,266.4
Anthropology	19,326.2	NA
Economics	202,700.9	NA
Political science	12,470.1	NA
Sociology	152,391.5	NA
Other social sciences	750,522.8	NA
Other sciences nec	5,772,913.8	4,901,799.8

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

nec = not elsewhere classified.

Note(s):

Because of rounding, detail may not add to total. FYs 2020 and 2021 obligations include additional funding provided by supplemental COVID-19 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 2020–21.