

TABLE 52

**Federal obligations for applied research performed at higher education institutions, by agency and field of R&D: FY 2021**

(Dollars in thousands)

Agency	Total	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
All agencies	15,586,008	405,887	547,854	9,587,056	101,455	191,773	1,176,210	383,334	1,837,098	1,355,341
Departments										
Department of Agriculture	557,830	8,044	21,395	332,159	7,038	14,163	11,657	60,370	36,590	66,415
Agricultural Marketing Service	2,509	0	0	2,509	0	0	0	0	0	0
Agricultural Research Service	76,024	99	335	69,844	0	4,881	0	182	684	0
Economic Research Service	8,247	0	0	0	0	0	0	8,247	0	0
Forest Service	10,745	470	3,008	4,788	0	*	0	2,292	165	0
National Agricultural Statistics Service	223	223	0	0	0	0	0	0	0	0
National Institute of Food and Agriculture	459,077	7,252	18,053	254,014	7,038	9,260	11,657	49,648	35,741	66,415
Natural Resources Conservation Service	1,004	0	0	1,004	0	0	0	0	0	0
Department of Commerce	243,621	3,308	184,515	14,126	724	9,569	0	5,357	25,596	425
National Institute of Standards and Technology	30,060	1,859	2,292	3,783	0	151	0	0	21,974	0
National Oceanic and Atmospheric Administration	213,561	1,449	182,223	10,343	724	9,418	0	5,357	3,622	425
Department of Defense	1,026,346	212,987	109,728	157,394	0	39,019	8,435	6,179	293,979	198,625
Defense Advanced Research Projects Agency	300,511	155,412	11,532	79,771	0	3,843	7,905	0	41,525	523
Defense Health Agency	39,864	0	0	39,864	0	0	0	0	0	0
Department of the Air Force	164,191	11,041	0	0	0	18,641	0	0	127,654	6,855
Department of the Army	180,327	54	0	0	0	0	0	0	397	179,876
Department of the Navy	306,290	41,935	98,196	28,529	0	10,349	0	259	121,930	5,092
Other defense agencies	35,164	4,545	0	9,230	0	6,186	530	5,920	2,474	6,279
Department of Education	116,191	0	0	0	0	0	0	0	0	116,191
Department of Energy	495,272	7,615	15,570	16,360	0	21,944	0	0	433,783	0
Advanced Research Projects Agency –Energy	53,383	7,615	1,126	16,360	0	0	0	0	28,281	0



TABLE 52

## Federal obligations for applied research performed at higher education institutions, by agency and field of R&amp;D: FY 2021

(Dollars in thousands)

Agency	Total	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Office of the Assistant Secretary for Planning and Evaluation	2,399	0	0	0	0	0	0	0	0	2,399
Department of Homeland Security	6,101	3,013	0	0	0	0	0	0	3,088	0
Countering Weapons of Mass Destruction Office	785	785	0	0	0	0	0	0	0	0
Science and Technology Directorate	5,316	2,228	0	0	0	0	0	0	3,088	0
Department of the Interior	50,908	0	32,472	8,362	0	0	0	5,196	4,879	0
Bureau of Land Management	3,166	0	0	3,166	0	0	0	0	0	0
Bureau of Ocean Energy Management	7,401	0	7,401	0	0	0	0	0	0	0
Bureau of Reclamation	1,147	0	0	0	0	0	0	0	1,147	0
Bureau of Safety and Environmental Enforcement	3,732	0	0	0	0	0	0	0	3,732	0
Geological Survey	25,071	0	25,071	0	0	0	0	0	0	0
National Park Service	10,391	0	0	5,196	0	0	0	5,196	0	0
Department of Justice	32,037	1,996	452	550	377	2,630	0	23,911	751	1,370
Federal Bureau of Investigation	1,370	0	0	0	0	0	0	0	0	1,370
Office of Justice Programs	30,667	1,996	452	550	377	2,630	0	23,911	751	0
Department of Transportation	156,857	1,061	79	3,364	797	4,131	1,091	0	145,361	973
Federal Aviation Administration	66,304	1,051	64	104	797	0	1,076	0	62,238	973
Federal Highway Administration	71,445	0	0	0	0	0	0	0	71,445	0
Federal Motor Carrier Safety Administration	4,141	*	0	0	0	4,131	0	0	0	0
Federal Railroad Administration	5,225	0	*	0	0	0	*	0	5,196	0
National Highway Traffic Safety Administration	6,549	0	0	3,260	0	0	0	0	3,289	0
Pipeline and Hazardous Materials Safety Administration	3,193	0	0	0	0	0	0	0	3,193	0

TABLE 52

**Federal obligations for applied research performed at higher education institutions, by agency and field of R&D: FY 2021**

(Dollars in thousands)

Agency	Total	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Department of the Treasury	200	0	0	0	0	200	0	0	0	0
Bureau of Engraving and Printing	200	0	0	0	0	200	0	0	0	0
Other agencies										
Agency for International Development	2,975	0	0	975	0	0	0	0	0	2,000
Appalachian Regional Commission	113	0	0	0	0	0	0	113	0	0
Consumer Product Safety Commission	150	0	0	0	0	0	0	0	150	0
Environmental Protection Agency	40,338	551	16,587	15,899	306	961	0	232	5,801	0
National Aeronautics and Space Administration	176,105	0	389	125	0	0	0	0	7,945	167,646
National Science Foundation	651,375	165,463	14,720	6,266	446	20,683	*	2,420	146,077	295,290
Nuclear Regulatory Commission	6,257	*	0	0	0	0	0	0	6,237	0
Social Security Administration	6,124	0	0	0	0	0	0	6,124	0	0

\* = amount greater than \$0 but less than \$50,000.

**Note(s):**

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table. 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.