

Table 3. Federal obligations for science and engineering to universities and colleges, by state and outlying area: FYs 2016–24

(Dollars in thousands)

State and outlying area	2016	2017	2018	2019	2020	2021	2022	2023	2024
All states and outlying areas	31,645,936	32,438,299	35,303,818	38,082,832	39,120,956	43,218,784	44,624,166	48,961,658	46,854,308
Alabama	401,759	398,795	489,338	540,544	531,815	581,957	624,060	879,493	693,363
Alaska	79,941	91,348	89,975	115,684	128,043	123,875	112,394	147,663	140,811
Arizona	394,092	403,357	435,199	482,711	479,451	603,521	645,465	668,982	585,616
Arkansas	124,245	75,749	89,078	112,668	119,108	154,659	166,656	183,147	197,413
California	4,308,145	4,399,064	4,743,954	4,906,329	5,060,428	5,802,921	6,097,377	6,094,127	5,770,800
Colorado	722,559	706,245	824,608	811,513	858,984	960,172	1,203,788	1,261,680	1,295,710
Connecticut	583,475	584,341	637,936	688,353	739,927	858,540	850,709	921,337	906,419
Delaware	110,931	130,429	122,174	138,647	136,654	254,296	178,295	183,083	154,726
District of Columbia	594,589	504,851	634,445	498,906	505,319	469,641	599,707	627,592	580,563
Florida	781,592	863,410	866,341	1,005,065	988,763	1,126,801	1,216,533	1,430,898	1,316,505
Georgia	760,343	1,072,876	1,177,291	1,377,691	1,554,936	1,235,838	1,355,535	1,502,937	1,324,145
Hawaii	158,276	144,456	158,741	172,601	150,598	200,470	156,569	208,288	187,788
Idaho	53,125	55,869	59,033	71,398	75,732	83,522	92,061	87,275	88,476
Illinois	1,205,503	1,191,520	1,275,438	1,419,238	1,470,064	1,634,531	1,646,088	1,876,569	1,752,925
Indiana	467,292	486,491	518,485	612,549	629,411	721,074	679,480	811,149	698,899
Iowa	299,278	283,441	313,362	312,626	366,818	371,343	472,468	464,167	384,781
Kansas	179,133	200,043	218,511	254,813	221,467	276,604	287,199	458,313	331,948
Kentucky	235,612	229,711	266,194	296,526	320,973	352,277	349,323	363,879	354,727
Louisiana	206,825	203,264	211,122	253,580	271,169	307,921	346,387	364,170	331,894
Maine	38,748	31,709	53,131	68,889	60,489	74,521	83,967	126,231	124,095
Maryland	2,337,179	2,184,151	2,314,775	2,415,778	2,537,079	2,583,100	2,508,610	2,934,031	3,009,271
Massachusetts	1,696,122	1,739,967	1,863,080	1,917,571	1,890,380	2,180,799	2,218,729	2,459,128	2,208,142
Michigan	1,105,167	1,127,173	1,208,599	1,231,391	1,264,428	1,297,755	1,362,081	1,578,006	1,486,124
Minnesota	409,401	397,658	438,929	483,037	494,619	539,777	643,438	611,897	597,979
Mississippi	168,698	163,573	194,489	216,018	174,524	195,900	207,272	230,816	206,880
Missouri	604,709	633,035	692,647	761,665	759,193	935,014	960,493	1,076,072	1,026,113
Montana	107,233	93,277	104,901	102,503	120,073	184,528	214,890	416,519	191,112
Nebraska	169,794	172,726	193,924	215,852	213,409	237,723	258,403	280,657	253,238
Nevada	68,684	63,846	68,935	91,098	92,761	87,674	106,273	114,905	89,474
New Hampshire	166,541	163,932	156,905	168,813	164,638	224,589	191,241	284,598	212,418
New Jersey	471,598	415,595	478,910	504,753	502,910	584,025	568,672	617,311	582,670
New Mexico	172,024	177,760	168,800	176,029	205,131	196,137	247,571	250,445	291,221
New York	2,503,301	2,745,392	2,939,084	3,160,971	3,330,003	3,966,902	3,683,461	3,938,655	4,067,396
North Carolina	1,349,891	1,330,488	1,496,830	1,662,047	1,633,195	1,901,280	1,914,718	2,048,375	1,878,310
North Dakota	83,824	53,769	53,690	49,688	99,802	105,880	90,117	124,864	116,553
Ohio	844,023	823,800	900,294	978,559	962,787	914,328	1,054,049	1,162,508	1,210,454
Oklahoma	113,790	144,703	168,517	209,142	230,014	207,925	246,088	301,490	254,267

Table 3. Federal obligations for science and engineering to universities and colleges, by state and outlying area: FYs 2016–24

(Dollars in thousands)

State and outlying area	2016	2017	2018	2019	2020	2021	2022	2023	2024
Oregon	400,292	534,768	516,044	614,235	579,066	608,120	591,292	647,086	586,000
Pennsylvania	1,867,159	2,085,289	2,223,202	2,403,532	2,325,359	2,578,927	2,609,776	2,629,354	2,610,041
Rhode Island	153,549	172,329	185,161	216,941	226,334	286,811	269,304	296,563	271,471
South Carolina	265,874	269,570	283,216	287,364	296,517	341,660	360,466	457,210	385,698
South Dakota	45,555	41,439	43,726	45,425	45,103	47,147	69,015	59,062	56,389
Tennessee	639,833	585,082	667,729	662,342	785,553	776,000	920,433	1,009,142	1,159,872
Texas	1,678,287	1,766,643	1,961,228	2,146,145	2,432,708	2,631,526	2,666,814	2,896,574	2,976,465
Utah	324,098	329,758	396,964	546,005	489,657	477,049	475,645	484,708	588,621
Vermont	67,295	71,095	83,580	92,230	99,580	110,444	106,516	166,519	109,562
Virginia	550,181	536,877	593,675	641,634	619,535	720,586	759,182	851,978	807,921
Washington	755,054	766,493	880,489	1,021,099	908,380	1,008,599	1,075,668	1,067,856	1,077,706
West Virginia	57,544	49,766	58,313	68,634	91,426	115,699	101,649	121,855	117,636
Wisconsin	621,572	628,007	649,247	698,207	705,233	801,039	799,791	952,938	981,780
Wyoming	30,450	28,827	35,803	45,663	57,349	55,556	52,699	60,524	93,169
American Samoa	2,952	1,663	1,705	1,605	1,197	4,282	4,298	1,927	2,024
Guam	7,522	6,420	3,895	5,383	9,924	12,871	12,204	21,411	11,499
Northern Mariana Islands ^a	2,528	1,392	0	1,519	1,535	3,613	3,830	13,471	2,034
Puerto Rico	87,383	67,524	83,590	94,104	90,999	86,942	90,775	119,154	100,437
U.S. Virgin Islands	11,365	7,543	8,590	5,520	10,409	14,092	14,644	13,069	12,761

^a Effective in FY 2023, the label Trust Territory of the Pacific Islands was updated in this table to the Northern Mariana Islands. The Trust Territory of the Pacific Islands was dissolved in 1994; the Federated States of Micronesia, the Republic of the Marshall Islands, and Palau became independent states while the Northern Mariana Islands remains a U.S. territory.

Note(s):

Detail may not add to total because of rounding. For the FY 2020 survey, the Department of Defense (DOD) science and engineering support to higher education institutions and DOD R&D support to nonprofit organizations are known to be understated. However, the magnitude of the missing data is unknown. Data users should use caution when conducting any time series analysis that includes DOD obligations data for FY 2020.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions; National Center for Science and Engineering Statistics, Federal Science and Engineering Support module of the Survey of Federal Funds for Research and Development.