

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2024 engineering R&D: FYs 2022–24 and by subfield for FY 2024

(Dollars in thousands)

Institution	Rank	2022	2023	2024										
				All engineering	Aerospace, aeronautical, and astronautical engineering	Bioengineering and biomedical engineering	Chemical engineering	Civil engineering	Electrical, electronic, and communications engineering	Industrial and manufacturing engineering	Mechanical engineering	Metallurgical and materials engineering	Engineering nec	
All institutions	-	15,662,654	17,476,575	19,271,406	2,054,095	2,081,887	1,409,387	2,096,724	4,415,693	747,870	2,572,680	1,141,081	2,751,989	
Johns Hopkins U. ^a	1	1,324,646	1,493,689	1,712,148	253,893	99,222	38,830	19,376	827,917	92,579	307,487	27,459	45,385	
Georgia Institute of Technology	2	935,632	1,061,402	1,134,820	286,860	60,089	37,778	27,550	545,809	63,952	66,756	21,470	24,556	
Texas A&M U., College Station and Health Science Center	3	402,999	464,769	496,787	52,905	43,620	18,849	129,205	36,715	14,874	65,550	12,560	122,509	
Pennsylvania State U., University Park and Hershey Medical Center	4	385,594	453,476	471,961	31,911	22,800	16,852	19,327	156,632	18,376	154,757	51,306	0	
U. Texas, Austin	5	319,719	360,947	418,949	23,276	14,987	54,306	49,525	115,571	0	82,381	27,655	51,248	
Massachusetts Institute of Technology	6	397,946	404,440	413,889	37,539	102,433	64,362	15,883	37,663	1,228	53,949	39,969	60,863	
Purdue U., West Lafayette	7	312,394	360,289	393,296	46,965	26,675	30,700	34,530	87,258	10,142	68,690	21,574	66,762	
U. Michigan, Ann Arbor	8	299,254	324,306	371,562	20,463	36,737	21,621	25,712	80,789	6,567	69,211	19,240	91,222	
Wichita State U.	9	226,111	336,096	360,009	350,237	231	0	0	1,902	771	1,305	0	5,563	
Utah State U.	10	259,482	308,386	356,169	306,934	2,300	0	15,737	26,866	0	3,025	85	1,222	
U. Illinois, Urbana-Champaign	11	228,786	272,650	351,544	20,724	23,993	25,409	41,984	65,014	0	41,102	35,316	98,002	
SUNY, U. Albany	12	4,266	4,562	322,259	0	0	0	0	2,145	0	0	0	320,114	
Virginia Polytechnic Institute and State U.	13	260,158	261,707	277,605	27,985	23,282	7,384	47,669	65,991	40,828	24,356	15,619	24,491	
Arizona State U.	14	192,681	265,026	277,309	6	19,930	5,750	47,300	62,598	30,137	10,872	6,138	94,578	
Ohio State U.	15	219,388	242,745	261,381	813	9,372	13,741	15,159	35,085	19,428	104,234	21,831	41,718	
U. California, San Diego	16	212,583	176,720	250,772	0	28,758	0	11,028	137,430	0	26,877	28,969	17,710	
U. Maryland ^b	17	164,304	183,899	218,811	14,507	30,180	14,579	50,039	9,547	316	26,293	13,778	59,572	
North Carolina State U.	18	171,162	196,594	218,277	1,577	20,464	49,402	19,237	46,233	7,882	17,616	28,370	27,496	
U. California, Berkeley	19	206,541	209,311	216,013	0	317	8,722	33,706	122,486	148	166	9,645	40,823	
U. Dayton	20	195,856	198,049	211,395	17,765	377	7,299	216	13,042	64,796	30,647	66,121	11,132	
U. Wisconsin-Madison	21	148,673	171,445	194,988	0	16,613	22,164	19,229	22,882	8,248	30,471	18,763	56,618	
U. Washington, Seattle	22	172,004	180,277	188,972	9,132	33,129	10,965	18,283	47,715	1,874	16,582	6,497	44,795	
U. Colorado Boulder	23	191,531	175,118	177,788	89,706	14,821	12,434	21,306	16,022	0	15,923	1,626	5,950	
Cornell U.	24	125,320	149,807	176,068	6,092	29,035	17,428	16,391	39,261	5,142	20,689	28,037	13,993	
U. Delaware	25	123,997	161,894	174,863	0	11,969	98,438	17,404	22,294	0	17,054	0	7,704	
Stanford U.	26	142,213	158,868	164,503	16,591	41,081	21,400	11,675	22,551	6,386	30,979	12,075	1,765	
U. Minnesota, Twin Cities	27	131,042	145,670	160,821	14,626	44,534	23,528	24,503	19,348	866	28,676	4,740	0	
Carnegie Mellon U.	28	138,117	155,436	160,149	1,910	24,067	11,897	7,918	37,507	8,924	40,951	10,288	16,687	
Iowa State U.	29	132,475	140,782	159,841	8,481	16,118	18,922	31,466	10,326	0	7,987	11,432	55,109	
U. Florida	30	134,339	150,126	153,888	8,827	32,483	8,547	28,651	38,323	3,676	15,953	13,273	4,155	
Northeastern U.	31	92,855	119,529	148,866	0	11,643	6,686	17,118	53,754	18,430	30,488	0	10,747	
New York U.	32	119,160	132,311	142,831	0	13	3,797	960	19,789	0	2,373	0	115,899	
Rice U.	33	110,648	129,719	137,077	0	57,121	11,476	10,208	33,769	52	5,796	9,874	8,781	

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2024 engineering R&D: FYs 2022–24 and by subfield for FY 2024

(Dollars in thousands)

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				All engineering	Aerospace, aeronautical, and astronautical engineering	Bioengineering and biomedical engineering	Chemical engineering	Civil engineering	Electrical, electronic, and communications engineering	Industrial and manufacturing engineering	Mechanical engineering	Metallurgical and materials engineering	Engineering nec
U. California, Los Angeles	34	98,403	113,969	128,854	0	10,632	11,463	11,699	39,651	0	21,119	9,964	24,326
U. Tennessee, Knoxville	35	115,464	116,222	128,648	31,031	355	8,303	21,462	22,625	6,259	0	11,455	27,158
SUNY, U. Buffalo	36	109,870	123,383	124,566	10,877	15,742	15,304	13,963	3,805	8,998	33,927	4,195	17,755
U. Pennsylvania	37	106,282	112,740	124,526	0	34,551	13,092	3	37,785	23	21,449	0	17,623
U. Virginia, Charlottesville	38	65,604	112,702	122,919	0	29,757	10,398	4,271	14,733	3,932	13,030	15,779	31,019
Auburn U., Auburn	39	93,219	108,344	122,623	5,783	3,212	11,454	27,968	13,584	14,679	23,608	2,981	19,354
Columbia U. in the City of New York	40	87,884	100,161	122,102	2,268	36,686	16,816	3,622	6,888	1,933	3,794	0	50,095
U. Utah	41	111,749	113,129	122,011	0	5,905	6,986	45,932	41,461	0	10,211	5,501	6,015
U. Arizona	42	84,682	103,771	121,989	3,372	11,675	8,134	6,864	58,925	8,064	4,050	11,956	8,949
U. North Dakota	43	84,614	105,141	121,983	0	0	1,739	67,666	4,659	0	21,768	1,008	25,143
Northwestern U.	44	88,008	93,785	120,781	0	22,788	19,986	9,461	10,280	3,200	13,930	23,207	17,929
Duke U.	45	102,748	109,885	119,628	0	50,957	0	13,422	37,405	0	15,901	1,849	94
Clemson U.	46	98,733	103,188	119,002	0	16,729	4,226	17,991	15,845	6,831	34,384	13,547	9,449
Boston U.	47	91,643	111,856	114,080	2,042	45,847	58	0	22,098	8,112	17,526	2,078	16,319
U. California, Santa Barbara	48	97,329	111,017	108,076	0	20,451	8,229	1,923	46,002	0	7,551	23,514	406
U. Notre Dame	49	103,773	113,853	107,700	43,019	0	21,711	15,682	25,765	0	0	10	1,513
Harvard U.	50	96,920	99,830	106,255	0	64,706	2,096	4,984	9,925	0	290	19,760	4,494
U. California, Davis	51	114,118	124,470	104,694	0	20,563	4,749	39,769	16,318	0	16,764	3,222	3,309
Princeton U.	52	78,831	87,035	101,614	4,660	11,982	9,226	9,476	37,260	3,480	8,557	0	16,973
Michigan State U.	53	81,143	86,949	98,696	0	22,680	12,187	14,883	22,802	0	10,518	0	15,626
Woods Hole Oceanographic Institution	54	88,997	93,312	96,345	9,519	0	0	11,901	49,879	0	25,046	0	0
U. California, Irvine	55	75,898	84,902	95,016	0	16,519	8,231	12,706	17,473	0	21,853	13,086	5,148
New Jersey Institute of Technology	56	83,738	90,849	93,704	0	10,554	9,646	42,735	5,703	0	4,357	109	20,600
U. Southern California	57	63,694	82,633	90,850	5,827	15,393	8,724	7,828	44,361	2,814	0	0	5,903
U. Connecticut	58	68,902	72,672	84,479	0	8,321	11,765	23,474	10,098	0	11,126	18,029	1,666
U. Massachusetts, Amherst	59	67,776	82,841	84,141	0	7,107	27,668	22,068	13,874	0	10,655	0	2,769
U. Pittsburgh, Pittsburgh	60	65,936	82,238	83,908	0	27,827	9,333	6,795	10,883	3,120	19,345	0	6,605
Vanderbilt U. and Vanderbilt U. Medical Center	61	78,534	82,313	83,016	0	20,688	12,542	14,563	20,320	0	13,366	0	1,537
Florida State U.	62	58,212	67,635	82,132	3,959	1,249	9,605	9,472	19,498	4,862	24,186	7,665	1,636
U. Nebraska, Lincoln and Medical Center ^c	63	na	76,802	80,020	0	15,611	4,893	23,081	17,667	427	5,317	6,157	6,867
Oregon State U.	64	58,552	71,532	79,966	24	2,483	4,411	18,449	19,140	8,335	9,237	334	17,553
Montana State U., Bozeman	65	54,188	67,024	79,284	0	6,104	2,366	6,349	5,706	70	12,622	0	46,067
U. Oklahoma ^d	66	44,727	58,746	76,633	11,812	6,256	14,252	9,056	24,876	3,312	0	0	7,069
California Institute of Technology	67	51,975	73,871	75,727	8,092	6,750	5,250	11,353	5,978	0	4,845	31,000	2,459

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Washington State U.	102	45,571	47,254	50,128	173	4,059	7,146	9,534	7,487	146	6,202	6,058	9,323
SUNY, Binghamton U.	103	33,595	45,755	49,701	0	5,206	0	0	6,755	21,292	13,653	0	2,795
U. Texas, El Paso	104	40,798	45,627	48,749	289	614	0	6,289	6,794	2,728	26,064	3,247	2,724
SUNY, Stony Brook U.	105	38,670	40,873	46,622	0	9,824	0	2,935	12,024	0	2,418	15,784	3,637
U. Illinois, Chicago	106	39,656	46,820	45,603	0	15,953	4,304	4,141	7,661	0	13,365	119	60
New Mexico State U.	107	40,367	40,884	45,317	7,234	15	1,769	5,875	15,592	213	4,554	770	9,295
Yale U.	108	36,714	40,153	45,279	0	14,321	8,909	0	10,307	0	8,236	0	3,506
Washington U., Saint Louis	109	28,151	33,691	43,826	0	15,747	15,144	23	6,384	0	0	5,996	532
Drexel U.	110	38,649	44,002	43,751	0	10,547	4,781	5,789	3,604	0	7,267	8,943	2,820
U. California, Riverside	111	32,758	36,650	42,901	0	3,376	9,580	13,444	9,133	0	4,710	1,914	744
U. Louisiana, Lafayette	112	32,259	35,532	42,556	0	0	10,348	8,498	4,535	0	13,666	4,630	879
Worcester Polytechnic Institute	113	31,514	37,920	40,692	1,726	3,742	3,820	959	5,105	0	22,665	527	2,148
Tufts U.	114	32,535	34,614	39,166	325	20,081	3,099	4,287	4,506	298	2,738	80	3,752
U. Nevada, Reno	115	32,454	41,198	38,129	168	4,174	7,218	9,512	180	2,304	7,260	3,052	4,261
Emory U.	116	16,415	26,414	37,498	0	37,498	0	0	0	0	0	0	0
Naval Postgraduate School	117	21,556	27,413	37,396	7,526	0	0	692	5,251	769	15,478	183	7,497
U.S. Air Force Academy	118	33,169	36,441	37,077	4,044	0	232	29	767	60	400	31,545	0
U. North Texas, Denton	119	23,078	27,249	36,595	0	4,051	0	0	3,547	0	5,397	22,466	1,134
Virginia Commonwealth U.	120	30,518	29,890	35,917	0	5,219	5,216	0	10,957	0	8,436	0	6,089
U. Alaska, Fairbanks	121	17,869	31,211	35,676	14,553	0	0	6,658	10,728	0	103	1,246	2,388
Lehigh U.	122	28,948	32,406	35,324	0	4,309	3,607	5,169	2,436	2,654	6,916	10,187	46
U. New Hampshire	123	25,040	29,519	34,616	0	0	3,422	9,168	11,080	0	5,097	0	5,849
George Washington U.	124	23,736	29,442	33,883	3,331	4,568	0	4,999	5,956	6,231	1,852	270	6,676
Kansas State U.	125	29,980	30,352	33,623	1,115	0	3,261	5,099	6,091	1,279	5,749	0	11,029
U. Kansas	126	22,075	25,610	33,322	3,386	0	9,488	11,724	5,310	0	2,451	0	963
Rochester Institute of Technology	127	22,869	28,126	33,180	0	2,874	1,413	142	7,062	3,408	2,863	0	15,418
Brown U.	128	29,569	27,640	33,027	0	8,857	3,946	0	3,551	0	3,496	3,793	9,384
Mercer U.	129	38,452	33,284	32,951	13,751	0	0	28	2,823	0	8,065	7,557	727
U. Wyoming	130	28,379	23,084	32,812	45	1,058	11,492	3,951	1,579	0	848	246	13,593
New Mexico Institute of Mining and Technology	131	53,897	76,286	32,554	671	0	3,039	0	648	0	2,526	889	24,781
Brigham Young U., Provo	132	19,599	26,923	31,754	0	0	5,146	5,774	10,139	1,874	8,781	0	40
Old Dominion U.	133	28,288	32,001	31,644	1,276	0	0	1,990	10,647	15,485	2,246	0	0
U. Hawaii, Manoa	134	24,574	29,058	31,201	0	1,054	0	5,501	12,158	0	3,629	0	8,859
U. Georgia	135	22,379	27,420	30,656	0	2,298	8,410	12,659	4,964	0	1,032	0	1,293

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U. Missouri, Columbia	136	78,494	24,365	30,592	0	3,090	1,582	4,938	9,558	938	2,982	2,043	5,461
U. Texas, San Antonio	137	24,403	25,584	30,334	0	4,716	0	7,787	3,316	2,072	4,265	0	8,178
U. Alabama, Birmingham	138	30,637	28,505	30,203	6,053	12,678	623	2,284	2,466	0	5,468	0	631
North Carolina A&T State U.	139	18,186	20,925	29,902	0	2,097	0	1,290	5,403	1,700	4,308	0	15,104
North Dakota State U.	140	20,187	25,034	26,245	196	254	410	10,090	3,789	754	3,281	411	7,060
U. Louisville	141	23,630	24,702	25,846	5	6,976	1,182	2,967	5,604	1,847	2,890	22	4,353
U. Memphis	142	11,825	14,577	25,468	i 437	i 4,152	i 0	i 10,330	i 3,461	i 110	i 5,279	i 0	i 1,699
Syracuse U.	143	21,602	24,796	25,436	1,076	4,632	1,477	3,379	5,220	13	6,996	0	2,643
CUNY, City C.	144	36,189	21,627	25,432	0	6,839	3,548	4,056	7,328	0	3,301	0	360
Air Force Institute of Technology	145	27,794	37,232	24,545	7,321	0	0	833	6,972	62	0	277	9,080
Rowan U.	146	15,432	19,322	24,283	0	2,156	4,039	3,127	1,060	710	1,078	108	12,005
Embry-Riddle Aeronautical U.	147	16,049	13,774	22,820	18,928	0	0	446	2,699	0	636	0	111
U. North Carolina, Charlotte	148	15,096	23,417	22,653	0	0	0	3,269	6,126	1,336	4,818	0	7,104
U. Rochester	149	22,179	22,767	22,234	0	6,311	1,438	0	6,567	0	6,743	0	1,175
Cleveland State U.	150	14,519	15,061	21,401	0	13,015	1,672	775	1,014	1,072	3,669	0	184
U. Nevada, Las Vegas	151	12,665	13,866	21,008	0	0	0	7,180	3,959	0	6,558	0	3,311
U. Vermont	152	11,621	18,270	20,298	2,448	0	0	5,028	2,577	0	3,089	395	6,761
Boise State U.	153	14,758	17,088	19,438	35	5,709	497	1,002	3,386	960	2,037	3,142	2,670
Indiana U., Bloomington	154	12,030	25,104	18,075	0	0	0	0	17,821	0	0	0	254
U. California, Merced	155	11,997	21,052	18,045	108	2,529	216	999	108	0	4,200	2,225	7,660
U. Missouri, Kansas City	156	12,219	16,959	17,747	358	116	47	1,603	13,119	1	2,134	227	142
U. Rhode Island	157	11,931	14,637	17,567	90	1,282	1,451	3,980	1,489	41	3,517	20	5,697
Tennessee Technological U.	158	7,436	9,802	17,343	0	0	1,433	2,724	5,220	403	6,936	0	627
Ohio U.	159	17,216	16,193	17,228	2,879	0	4,089	3,173	751	170	368	396	5,402
Wayne State U.	160	13,632	13,718	17,171	0	3,251	2,463	3,969	2,857	1,173	1,223	0	2,235
Florida Atlantic U.	161	16,449	17,629	17,107	6	0	231	4,439	6	0	0	0	12,425
San Diego State U.	162	14,193	16,138	17,100	2,276	137	0	4,717	4,667	0	4,742	0	561
South Dakota School of Mines and Technology	163	17,162	15,552	16,592	0	1,092	5,910	1,244	62	23	851	5,983	1,427
Western Michigan U. and Homer Stryker M.D. School of Medicine	164	9,515	14,491	16,263	977	733	6,732	964	1,213	657	2,273	228	2,486
Baylor U.	165	9,061	11,454	16,077	258	309	0	23	5,814	0	9,377	0	296
Illinois Institute of Technology	166	12,502	13,311	15,745	1,841	3,748	1,746	2,257	4,074	0	955	0	1,124
Oregon Health and Science U.	167	13,373	14,960	15,628	0	15,628	0	0	0	0	0	0	0
Florida A&M U.	168	5,752	9,530	15,567	0	0	4,496	2,888	733	2,523	2,406	0	2,521
Louisiana Tech U.	169	11,673	15,078	15,478	0	4,210	2,397	2,796	816	757	4,502	0	0

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U. Texas Rio Grande Valley	170	7,844	11,028	15,318	791	167	16	784	1,313	1,511	5,040	2,979	2,717
Clarkson U.	171	12,446	14,568	15,279	0	36	2,394	4,492	4,254	0	3,515	162	426
Texas State U.	172	9,722	11,165	15,009	647	8	0	2,264	310	0	90	5,782	5,908
U. Idaho	173	13,720	13,229	14,091	1,314	1,015	653	1,855	1,203	196	1,751	354	5,750
U. Mississippi	174	8,095	11,818	13,909	34	3,550	1,415	5,508	974	0	1,024	816	588
Villanova U.	175	9,453	11,370	13,792	0	256	969	5,622	1,643	0	2,971	0	2,331
U. Puerto Rico, Mayaguez	176	8,482	7,401	13,622	0	0	3,764	2,400	4,842	307	671	1,618	20
Missouri State U.	177	8,630	12,633	13,388	15	0	0	0	0	0	0	13,373	0
Howard U.	178	10,431	11,221	13,345	0	0	1,295	2,790	5,096	0	1,539	0	2,625
Marquette U.	179	10,278	12,351	13,202	0	3,412	0	3,043	2,513	0	3,007	0	1,227
Morgan State U.	180	8,375	10,725	12,790	165	0	0	5,580	3,349	202	11	0	3,483
Southern Methodist U.	181	7,313	8,535	12,774	0	0	0	1,338	2,401	736	1,770	0	6,529
California State U., Sacramento	182	8,253	11,433	12,631	0	0	0	11,763	674	0	194	0	0
U. Massachusetts, Dartmouth	183	8,480	11,936	12,418	0	1,627	0	3,196	4,370	0	2,854	0	371
Texas A&M U.-Corpus Christi	184	8,737	9,507	12,277	8,814	5	43	1,014	217	91	1,216	0	877
U. Toledo	185	11,957	11,520	11,782	238	1,423	2,117	1,702	1,964	0	3,860	0	478
U. Wisconsin-Milwaukee	186	8,246	9,725	11,760	0	561	0	1,847	1,948	484	3,102	884	2,934
U. South Alabama	187	6,231	7,228	11,730	0	0	2,187	5,260	2,656	0	380	0	1,247
U. Southern Mississippi	188	7,380	10,921	11,700	0	0	0	180	0	0	0	0	11,520
U. Texas Southwestern Medical Center	189	0	0	11,682	0	11,682	0	0	0	0	0	0	0
U. Tulsa	190	9,554	10,991	11,536	0	0	1,308	0	848	0	2,670	0	6,710
Temple U.	191	8,898	8,815	11,150	0	2,939	0	2,124	1,831	0	2,570	0	1,686
North Carolina Central U.	192	2,074	11,000	10,915	0	10,819	0	0	0	0	0	0	96
U. Maryland, Baltimore County	193	8,140	10,631	10,580	150	2,350	1,015	314	3,207	258	2,184	78	1,024
U. Akron	194	7,558	8,851	10,504	0	1,563	2,015	1,521	1,051	0	4,285	0	69
Oakland U.	195	14,783	9,138	10,392	0	0	0	0	3,070	288	3,252	0	3,782
U. Michigan, Dearborn	196	6,703	8,414	10,273	0	0	0	0	6,014	1,766	2,206	0	287
U.S. Military Academy	197	6,640	7,462	10,271	200	0	353	917	1,944	1,747	3,924	0	1,186
Northern Arizona U.	198	4,194	5,880	9,875	124	1,203	14	942	3,138	162	2,774	17	1,501
Montana Technological U.	199	4,473	6,151	9,496	0	0	0	258	509	0	229	8,443	57
Prairie View A&M U.	200	5,305	5,101	9,454	525	0	608	1,977	3,464	144	1,392	66	1,278
Southern Illinois U., Edwardsville	201	8,439	6,427	9,362	0	7,883	0	832	201	22	280	0	144
Tulane U.	202	6,823	6,779	9,254	0	3,500	5,754	0	0	0	0	0	0
U. Miami	203	5,961	8,034	9,216	550	0	1,961	3,511	943	0	1,069	0	1,182

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2024 engineering R&D: FYs 2022–24 and by subfield for FY 2024

(Dollars in thousands)

Institution	Rank	2022	2023	2024									
				All engineering	Aerospace, aeronautical, and astronautical engineering	Bioengineering and biomedical engineering	Chemical engineering	Civil engineering	Electrical, electronic, and communications engineering	Industrial and manufacturing engineering	Mechanical engineering	Metallurgical and materials engineering	Engineering nec
South Dakota State U.	204	8,977	8,819	8,537	0	0	0	1,172	454	0	674	0	6,237
San Jose State U.	205	6,968	9,496	8,237	382	0	2,102	579	2,364	703	1,478	0	629
California Polytechnic State U., San Luis Obispo	206	8,472	9,181	7,251	410	1,406	0	1,716	234	65	333	5	3,082
Northern Illinois U.	207	4,132	4,565	7,223	0	0	0	0	1,952	4,091	720	0	460
Brandeis U.	208	5,264	5,918	6,867	157	6,710	0	0	0	0	0	0	0
Indiana U.-Purdue U., Indianapolis	209	6,626	9,390	6,808	0	1,682	0	0	1,163	0	2,941	0	1,022
Portland State U.	210	5,582	7,108	6,803	148	0	0	3,712	1,673	0	550	51	669
Lamar U.	211	3,536	6,659	6,270	0	0	1,940	2,864	179	1,163	124	0	0
Marshall U.	212	3,333	5,227	6,097	6	31	0	3,889	0	0	862	142	1,167
California State Polytechnic U., Humboldt	213	6,779	5,920	6,072	0	8	0	1,535	444	39	0	0	4,046
U. Oregon	214	4,656	5,844	6,064	0	6,064	0	0	0	0	0	0	0
Medical C. Wisconsin	215	7,427	7,828	5,926	0	5,926	0	0	0	0	0	0	0
Florida Institute of Technology	216	5,100	5,021	5,886	1,241	800	410	610	658	545	333	332	957
U.S. Naval Academy	217	6,342	5,848	5,860	535	0	0	0	216	0	1,489	0	3,620
Alfred U.	218	3,458	4,076	5,501	0	0	0	0	0	0	0	5,501	0
Idaho State U.	219	4,752	5,435	5,458	0	0	0	566	375	0	170	0	4,347
Saint Louis U.	220	1,559	3,187	5,214	283	866	0	124	6	397	2,269	0	1,269
Georgia Southern U.	221	3,302	4,200	5,206	30	7	147	1,167	878	628	2,116	138	95
Tennessee State U.	222	1,278	3,026	5,176	0	0	0	0	0	0	5	18	5,153
Kennesaw State U.	223	1,652	3,445	5,148	0	0	0	3,418	93	0	788	0	849
Miami U.	224	4,474	4,562	4,806	0	633	1,918	0	1,123	811	165	0	156
Texas A&M U.-Kingsville	225	4,044	5,130	4,751	435	25	9	121	494	341	1,111	0	2,215
Southern Illinois U., Carbondale	226	2,308	3,183	4,600	577	76	0	722	1,249	7	796	332	841
U. of St. Thomas (MN)	227	862	1,145	4,427	0	1	0	39	3,537	81	456	0	313
California State U., Long Beach	228	3,671	3,160	4,265	107	593	554	1,829	396	0	453	0	333
Santa Clara U.	229	1,741	2,617	4,165	0	782	0	33	1,337	34	1,473	0	506
Catholic U. of America	230	3,076	3,217	4,134	0	1,711	0	751	881	0	660	0	131
Jackson State U.	231	2,512	3,214	4,121	0	0	0	2,739	1,382	0	0	0	0
U. Colorado Denver	232	3,906	4,511	3,950	0	461	0	1,665	351	0	1,004	0	469
U. North Florida	233	2,472	4,313	3,876	0	0	0	956	249	0	2,574	0	97
U. of the District of Columbia	234	5,725	3,342	3,627	0	0	0	373	571	0	2,683	0	0
East Carolina U.	235	2,737	3,013	3,367	0	0	0	574	0	0	0	0	2,793
Alabama A&M U.	236	1,925	3,018	3,344	0	0	0	819	1,592	0	933	0	0
U. Denver	237	3,632	3,612	3,329	0	1,070	0	122	1,061	0	510	157	409

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2024 engineering R&D: FYs 2022–24 and by subfield for FY 2024

(Dollars in thousands)

Institution	Rank	2022	2023	2024										
				All engineering	Aerospace, aeronautical, and astronautical engineering	Bioengineering and biomedical engineering	Chemical engineering	Civil engineering	Electrical, electronic, and communications engineering	Industrial and manufacturing engineering	Mechanical engineering	Metallurgical and materials engineering	Engineering nec	
Wright State U.	238	6,843	4,819	3,281	0	13	0	0	0	1,604	0	1,635	6	23
Purdue U., Northwest	239	2,606	3,078	3,182	0	0	0	38	36	2,647	315	0	0	146
Southern U. and A&M C., Baton Rouge	240	1,938	2,338	3,122	0	0	0	0	194	0	2,915	0	0	13
Milwaukee School of Engineering	241	3,480	2,790	3,019	0	321	0	1,151	4	0	1,100	0	0	443
Albany State U.	242	ne	1,177	2,953	22	0	0	2,891	0	0	0	0	0	40
Tuskegee U.	243	2,955	3,262	2,947	249	0	343	0	195	0	446	1,706	0	8
California State U., Northridge	244	2,621	2,935	2,872	295	0	0	110	327	64	1,701	3	0	372
U. Puerto Rico, Rio Piedras	245	4,135	2,930	2,564	0	2,564	0	0	0	0	0	0	0	0
U. New Orleans	246	2,134	2,509	2,539	0	0	0	438	878	0	578	0	0	645
CUNY, Advanced Science Research Center	247	2,083	1,871	2,511	0	615	366	1,447	0	0	0	0	0	83
California State U., Fresno	248	1,970	1,450	2,396	0	0	0	1,545	429	0	154	0	0	268
Pittsburg State U.	249	2,309	2,461	2,333	0	0	1,612	0	0	0	0	721	0	0
U. Arkansas, Little Rock	250	1,571	2,063	2,281	1,723	9	95	0	0	11	364	0	0	79
Kent State U.	251	1,847	1,904	2,221	182	135	0	10	770	162	28	17	0	917
California State U., Los Angeles	252	1,423	2,149	2,200	0	0	0	657	76	0	1,461	0	0	6
U. Minnesota, Duluth	253	1,892	1,878	2,163	0	0	143	855	133	627	0	0	0	405
Virginia State U.	254	2,260	2,110	2,156	828	0	250	0	697	268	6	0	0	107
San Francisco State U.	255	2,423	1,967	2,145	0	109	0	938	517	12	444	0	0	125
Chapman U.	256	539	2,041	2,118	0	45	0	0	274	0	0	0	0	1,799
U. Texas Medical Branch	257	1,643	7,397	2,034	0	2,034	0	0	0	0	0	0	0	0
Norfolk State U.	258	1,656	2,218	2,016	0	0	0	0	0	0	0	0	0	2,016
California State Polytechnic U., Pomona	259	1,759	1,673	1,982	300	9	482	975	98	117	1	0	0	0
U. Nebraska, Omaha	260	1,510	1,782	1,936	480	777	3	676	0	0	0	0	0	0
Youngstown State U.	261	3,058	2,553	1,924	0	0	0	1,244	46	0	347	15	0	272
U. Tennessee, Chattanooga	262	3,823	4,138	1,913	0	0	205	390	609	0	709	0	0	0
U. Alaska, Anchorage	263	1,957	1,878	1,833	537	0	0	594	297	0	57	177	0	171
SUNY, C. of Environmental Science and Forestry	264	1,644	2,095	1,825	501	250	737	318	0	0	0	19	0	0
South Carolina State U.	265	787	924	1,796	0	0	0	52	0	686	54	0	0	1,004
U. Massachusetts, Boston	266	1,218	1,298	1,773	9	220	0	25	1,194	0	0	0	0	325
Franklin W. Olin C. of Engineering	267	2,380	2,312	1,637	166	17	0	20	362	0	490	0	0	582
Morehead State U.	268	2,312	2,141	1,593	1,493	0	0	34	66	0	0	0	0	0
Bucknell U.	269	1,589	2,064	1,574	0	194	275	374	236	0	282	0	0	213
West Texas A&M U.	270	1,713	1,075	1,545	0	0	691	238	7	0	0	0	0	609
Pennsylvania State U., Behrend	271	1,799	1,892	1,528	286	165	2	0	10	450	425	190	0	0

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2024 engineering R&D: FYs 2022–24 and by subfield for FY 2024

(Dollars in thousands)

Institution	Rank	2022	2023	2024											
				All engineering	Aerospace, aeronautical, and astronautical engineering	Bioengineering and biomedical engineering	Chemical engineering	Civil engineering	Electrical, electronic, and communications engineering	Industrial and manufacturing engineering	Mechanical engineering	Metallurgical and materials engineering	Engineering nec		
Wake Forest U.	272	1,427	1,499	1,499	0	0	0	0	0	0	0	0	0	0	1,499
Marian U., Indianapolis	273	ne	0	1,497	0	363	210	273	367	0	233	0	0	51	
New School	274	3,301	3,565	1,495	0	0	790	31	7	0	667	0	0	0	
California State U., San Marcos	275	527	937	1,454	0	55	0	0	46	0	0	0	0	1,353	
California State U., Chico	276	1,192	1,465	1,450	0	0	0	786	359	106	176	0	0	23	
Minnesota State U., Mankato	277	871	1,166	1,380	0	0	0	463	55	31	206	0	0	625	
Harvey Mudd C.	278	608	774	1,338	0	0	0	0	0	0	0	0	0	1,338	
Boston C.	279	438	592	1,305	0	0	0	0	0	0	0	0	0	1,305	
U. South Dakota	280	1,447	1,153	1,198	0	1,198	0	0	0	0	0	0	0	0	
Hampton U.	281	1,215	837	1,188	106	0	162	0	868	0	0	0	0	52	
California State U., Fullerton	282	1,062	1,355	1,138	0	0	0	211	318	0	352	0	0	257	
U. Hartford	283	752	1,067	1,095	933	3	0	100	0	0	52	0	0	7	
Oregon Institute of Technology	284	902 i	1,104 i	1,073 i	0 i	0 i	0 i	218 i	87 i	72 i	118 i	219 i	359 i		
U. Colorado Colorado Springs	285	1,883	1,144	1,070	15	0	0	0	457	0	598	0	0	0	
U. North Carolina, Wilmington	286	537	1,317	1,027	647	0	0	380	0	0	0	0	0	0	
Tarleton State U.	287	685	857	1,024	53	0	0	93	0	0	567	19	292		
Purdue U., Fort Wayne	288	169	192	1,017	0	0	0	533	0	0	127	0	357		
Rhode Island School of Design	289	ne	ne	1,013	30	7	0	0	0	0	0	216	760		
U. West Florida	290	450	1,322	924	0	0	0	0	0	0	4	0	920		
Lawrence Technological U.	291	726	816	912	0	97	0	533	22	0	260	0	0		
C. Charleston	292	158	583	911	0	0	0	0	0	0	168	222	521		
U. Texas, Tyler	293	542	812	887	0	0	347	39	188	0	151	0	162		
Pennsylvania State U., Harrisburg	294	160	272	877	0	72	0	59	55	0	621	70	0		
Pennsylvania State U., Altoona	295	ne	425	861	248	0	0	250	0	206	157	0	0		
SUNY, Cobleskill	296	1,211	2,301	856	0	0	0	0	0	0	856	0	0		
U. of the Virgin Islands	297	790	790	792	792	0	0	0	0	0	0	0	0	0	
Western Illinois U.	298	1,983	717	781 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	781 i	0 i		
Florida Polytechnic U.	299	1,310	1,404	773	0	0	0	0	207	0	234	332	0		
Texas A&M International U.	300	127	175	768	0	23	0	0	0	0	0	29	716		
Utah Valley U.	301	310	668	764	0	0	0	5	713	0	46	0	0		
CUNY, New York City C. of Technology	302	50	806	762	0	0	0	441	143	0	0	0	178		
U. Tennessee, Health Science Center	303	640	683	752	0	752	0	0	0	0	0	0	0		
Manhattan C.	304	899	447	750	0	0	47	617	0	0	86	0	0		
Western New England U.	305	1,464	686	739 i	0 i	56 i	0 i	195 i	167 i	81 i	240 i	0 i	0 i		

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2024 engineering R&D: FYs 2022–24 and by subfield for FY 2024

(Dollars in thousands)

Institution	Rank	2022	2023	2024									
				All engineering	Aerospace, aeronautical, and astronautical engineering	Bioengineering and biomedical engineering	Chemical engineering	Civil engineering	Electrical, electronic, and communications engineering	Industrial and manufacturing engineering	Mechanical engineering	Metallurgical and materials engineering	Engineering nec
C. New Jersey	306	265	278	729	0	209	0	66	70	0	5	0	379
New York Institute of Technology	307	1,181	844	721	9	0	0	0	492	0	220	0	0
U. Colorado Anschutz Medical Campus	308	957	842	707	0	707	0	0	0	0	0	0	0
James Madison U.	309	808	576	706	0	19	0	0	0	0	0	0	687
U. North Carolina, general administration	310	2,232	ne	700	0	0	0	0	0	0	0	0	700
Lafayette C.	311	384	581	688	0	28	304	267	10	0	53	0	26
U. New Haven	312	329	120	684	0	5	188	13	238	0	81	48	111
U. Detroit Mercy	313	560	1,010	682	0	0	55	6	486	62	73	0	0
Western Kentucky U.	314	510	615	674	0	0	115	23	92	3	426	0	15
Arkansas State U., Jonesboro	315	508	660	668	0	186	0	299	120	22	41	0	0
U. Missouri, Saint Louis	316	0	38	643	0	315	0	328	0	0	0	0	0
U. South Carolina Upstate	317	ne	ne	641	0	0	641	0	0	0	0	0	0
Christopher Newport U.	318	437	541	628	628	0	0	0	0	0	0	0	0
Western Washington U.	319	570	621	614	0	0	0	0	0	0	0	0	614
SUNY, Polytechnic Institute	320	411,929	282,110	612	0	0	0	364	217	0	0	0	31
Savannah State U.	321	609	502	610	0	45	165	120	0	0	0	0	280
U. Southern Maine	322	228	301	600	182	5	0	0	0	0	10	368	35
California State U., Bakersfield	323	440	711	586	0	0	0	0	153	0	0	0	433
Robert Morris U.	324	555	612	581	0	509	55	0	13	4	0	0	0
Ferris State U.	325	ne	0	579	0	0	0	0	575	0	0	0	4
Union C., Schenectady	326	446	519	576	0	186	0	55	92	0	195	48	0
Delaware State U.	327	207	419	567	566	0	1	0	0	0	0	0	0
U. Wisconsin-Oshkosh	328	294	157	565	0	0	0	457	75	0	33	0	0
Fairfield U.	329	ne	474	552	0	259	0	0	125	0	165	0	3
U. San Diego	330	820	608	548	0	47	0	0	0	15	0	0	486
Montclair State U.	331	1,129	402	538	0	0	59	451	0	0	0	0	28
Swarthmore C.	332	215	338	528	0	102	0	36	158	0	232	0	0
Liberty U.	333	ne	588	522	0	0	0	55	0	0	464	0	3
Pace U.	334	529	684	498	0	0	0	83	0	0	415	0	0
CUNY, Graduate Center	335	0	206	491	0	491	0	0	0	0	0	0	0
Citadel Military C. South Carolina	336	363	491	488	0	0	0	360	2	0	58	10	58
Western Carolina U.	337	363	395	478	2	48	9	185	0	0	0	0	234
Fort Lewis C.	338	623	628	475	58	0	54	25	20	0	0	0	318
U. Wisconsin-Green Bay	339	465	484	467	0	0	0	140	202	0	125	0	0

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2024 engineering R&D: FYs 2022–24 and by subfield for FY 2024

(Dollars in thousands)

Institution	Rank	2022	2023	2024									
				All engineering	Aerospace, aeronautical, and astronautical engineering	Bioengineering and biomedical engineering	Chemical engineering	Civil engineering	Electrical, electronic, and communications engineering	Industrial and manufacturing engineering	Mechanical engineering	Metallurgical and materials engineering	Engineering nec
U. Michigan, Flint	374	ne	ne	142	0	0	0	0	2	83	0	0	57
Florida Gulf Coast U.	375	222	221	139	0	5	0	11	0	61	0	0	62
High Point U.	376	ne	ne	138	0	0	0	0	89	0	49	0	
Keck Graduate Institute	376	0	129	138	0	138	0	0	0	0	0	0	
Langston U.	378	0	0	127	0	0	0	127	0	0	0	0	
Texas Christian U.	379	88	95	126	0	0	66	0	0	52	0	8	
Texas A&M U.-Commerce	380	48	113	123	0	0	0	0	0	0	0	123	
Trinity C., Hartford	381	42	71	121	0	0	0	0	0	0	0	121	
St. Edward's U.	382	0	0	117	0	117	0	0	0	0	0	0	
Lipscomb U.	383	ne	153	113	26	0	0	57	0	0	0	30	
Eastern Kentucky U.	384	ne	69	112	0	0	0	0	79	0	0	33	
U. North Carolina, Asheville	385	0	2	106	0	0	0	0	0	0	1	105	
United Tribes Technical C.	385	ne	444	106	0	0	0	0	0	106	0	0	
Dillard U.	387	7	85	101	21	0	0	0	0	0	0	80	
Calvin U.	388	129	134	99	0	0	0	0	0	0	69	30	
Texas Southern U.	389	24	75	98	0	0	0	0	0	0	0	98	
California State U., San Bernardino	390	658	1,108	95	0	10	0	85	0	0	0	0	
Sam Houston State U.	391	253	109	93	0	0	0	0	0	0	0	93	
Southern Utah U.	392	ne	ne	90	0	0	0	0	0	0	0	90	
U. of the Incarnate Word	393	339	289	88	0	0	0	0	0	0	87	1	
Bowling Green State U.	394	80	189	86	0	8	0	0	0	0	0	78	
Azusa Pacific U.	395	10	21	84	0	0	0	0	0	0	0	84	
Southeastern Louisiana U.	396	24	140	81	0	0	0	0	0	81	0	0	
U. Houston-Downtown	396	71	79	81	0	66	0	15	0	0	0	0	
Virginia Military Institute	396	119	147	81	0	0	0	9	2	0	70	0	
DePaul U.	399	76	106	80	16	0	0	0	0	0	0	64	
Valparaiso U.	400	ne	ne	79	26	0	0	6	0	0	0	46	
Midwestern State U.	401	ne	ne	78	0	0	0	0	0	0	78	0	
Sonoma State U.	402	17	67	74	24	0	0	0	50	0	0	0	
U. Central Arkansas	402	0	221	74	0	0	0	0	0	0	0	74	
Abilene Christian U.	404	29	15	68	0	0	0	58	0	0	10	0	
Sacred Heart U.	405	ne	0	62	0	0	0	0	62	0	0	0	
Ball State U.	406	0	32	58	0	0	0	58	0	0	0	0	
Indiana State U.	406	87	59	58	0	0	0	54	0	0	0	4	

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2024 engineering R&D: FYs 2022–24 and by subfield for FY 2024

(Dollars in thousands)

Institution	Rank	2022	2023	2024										
				All engineering	Aerospace, aeronautical, and astronautical engineering	Bioengineering and biomedical engineering	Chemical engineering	Civil engineering	Electrical, electronic, and communications engineering	Industrial and manufacturing engineering	Mechanical engineering	Metallurgical and materials engineering	Engineering nec	
Indiana U. Pennsylvania	408	0	0	56	0	0	0	0	0	0	0	0	0	56
Elon U.	409	18	30	53	0	0	0	10	0	0	0	0	0	43
Providence C.	409	ne	0	53	0	0	0	0	0	0	0	53	0	0
U. Wisconsin-Stevens Point	411	111	82	51	0	0	45	0	0	0	0	0	0	6
West Chester U. Pennsylvania	411	0	51	51	0	51	0	0	0	0	0	0	0	0
U. Central Oklahoma	413	93	50	50	0	50	0	0	0	0	0	0	0	0
Hawaii Pacific U.	414	14	0	47	0	0	0	0	0	47	0	0	0	0
California State U., Monterey Bay	415	0	23	45	0	45	0	0	0	0	0	0	0	0
Northern Michigan U.	415	0	0	45	0	0	0	0	0	0	34	11	0	0
St. Cloud State U.	417	30	54	42	0	0	0	0	0	41	0	1	0	0
U. Alaska, Southeast	418	0	92	41	0	0	0	0	0	0	0	0	0	41
Merrimack C.	419	ne	16	39	0	0	0	0	36	0	0	3	0	0
Troy U.	420	56	47	38	0	0	0	0	0	0	0	0	0	38
Wellesley C.	421	395	50	33	33	0	0	0	0	0	0	0	0	0
Clafin U.	422	63	63	32	0	0	0	0	0	0	0	0	32	0
Carthage C.	423	ne	ne	28	28	0	0	0	0	0	0	0	0	0
U. Wisconsin-Eau Claire	424	0	0	24	0	0	24	0	0	0	0	0	0	0
Loyola U., Chicago	425	95	151	23	0	0	0	0	0	0	0	0	0	23
CUNY, C. Staten Island	426	0	288	19	0	3	0	0	0	0	0	0	0	16
Eastern Michigan U.	427	407	534	18	0	0	0	0	0	0	0	0	0	18
U. North Georgia	427	0	0	18	0	18	0	0	0	0	0	0	0	0
Lake Superior State U.	429	41	43	11	0	0	0	0	0	0	0	0	0	11
Towson U.	429	0	0	11	3	0	0	0	8	0	0	0	0	0
U. of the Pacific	431	135	128	10	0	10	0	0	0	0	0	0	0	0
Colorado State U., Pueblo	432	0	8	9	0	0	0	0	0	0	0	0	0	9
Seattle Pacific U.	432	ne	ne	9	0	3	0	0	0	6	0	0	0	0
U. San Francisco	432	3	4	9	0	3	0	0	1	5	0	0	0	0
Andrews U.	435	ne	48	8	0	7	0	0	0	0	0	0	1	0
Central Washington U.	436	32	56	6	0	0	0	0	0	0	0	0	0	6
Southern Connecticut State U.	436	0	0	6	0	0	0	0	0	0	0	0	0	6
Des Moines U.	438	0	0	5	0	5	0	0	0	0	0	0	0	0
U. Wisconsin-River Falls	438	ne	42	5	0	0	0	0	0	0	0	0	0	5
U. Wisconsin-Superior	440	297	0	4	4	0	0	0	0	0	0	0	0	0
Austin Peay State U.	441	0	9	3	0	0	0	0	0	3	0	0	0	0

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2024 engineering R&D: FYs 2022–24 and by subfield for FY 2024

(Dollars in thousands)

Institution	Rank	2022	2023	2024												
				All engineering	Aerospace, aeronautical, and astronautical engineering	Bioengineering and biomedical engineering	Chemical engineering	Civil engineering	Electrical, electronic, and communications engineering	Industrial and manufacturing engineering	Mechanical engineering	Metallurgical and materials engineering	Engineering nec			
California State U., Channel Islands	441	4	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Carleton C.	443	0	1 i	1 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	1 i
Kean U.	443	32	1	1	0	0	0	1	0	0	0	0	0	0	0	0
New Mexico Highlands U.	443	0 i	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Salisbury U.	443	3	3	1	0	0	0	0	0	0	0	0	0	0	0	1
U. Scranton	443	ne	4	1	0	0	0	0	0	0	0	0	1	0	0	0
All other surveyed institutions	-	74,197	2,347	0	0	0	0	0	0	0	0	0	0	0	0	0

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a Johns Hopkins University includes the Applied Physics Laboratory (APL), with \$1,552,813 thousand imputed for total R&D expenditures in engineering in FY 2024. Total expenditures by field for Johns Hopkins University are flagged as imputed because APL was unable to distribute a portion of institutionally funded R&D by field.

^b The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.

^c The University of Nebraska, Lincoln and Medical Center includes expenditures from the University of Nebraska, Lincoln; University of Nebraska, Medical Center; and University of Nebraska, Central Administration campuses. Due to a realignment within the University of Nebraska system that occurred on 22 June 2023, the three campuses fall under the leadership of one president. Prior to FY 2023, these three campuses reported to the survey as separate institutions.

^d The University of Oklahoma includes expenditures from the University of Oklahoma, Tulsa and University of Oklahoma, Norman and Health Science Center campuses. Due to a reorganization, the campuses began reporting as one unit in FY 2024.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2024 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 5.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.