Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025								
				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	-	17,476,420	19,275,480	21,222,336	2,233,532	2,255,457	1,484,418	2,247,863	4,944,736	811,930	2,796,154	1,234,260	3,213,986
Johns Hopkins U.[8]	1	1,493,689	1,712,148	1,825,921	266,062	104,606	38,735	24,804	867,450	103,416	324,066	26,157	70,625
Georgia Institute of Technology	2	1,061,402	1,134,820	1,230,124	287,147	69,856	41,923	29,860	596,431	80,054	72,744	23,674	28,435
U. Texas, Austin	3	360,947	418,949	609,703	27,218	14,359	55,728	50,937	283,617	0	90,249	31,215	56,380
SUNY, U. Albany	4	4,562	322,259	585,001	0	0	0	0	2,784	0	0	0	582,217
Texas A&M U., College Station and Health Science Center	5	464,769	496,787	523,812	48,303	46,811	21,933	143,306	46,887	15,821	65,009	14,047	121,695
Pennsylvania State U., University Park and Hershey Medical Center	6	453,476	471,961	519,284	40,799	23,364	16,186	19,741	175,437	29,324	157,806	56,627	0
Wichita State U.	7	336,096	360,009	440,949	429,778	304	0	0	1,758	882	1,409	0	6,818
Massachusetts Institute of Technology	8	404,440	413,889	434,364	37,189	100,881	77,281	17,809	39,815	169	67,672	33,273	60,275
Purdue U., West Lafayette	9	360,289	393,296	431,312	50,691	32,643	36,553	38,706	86,779	10,574	78,504	19,123	77,739
Utah State U.	10	308,386	356,169	404,469	354,102	2,159	0	16,964	25,550	0	4,315	0	1,379
U. Michigan, Ann Arbor	11	324,306	371,562	381,634	21,947	35,539	24,290	29,552	78,838	6,955	70,964	23,826	89,723
U. Illinois, Urbana-Champaign	12	272,650	351,544	351,708	22,680	20,467	30,990	45,818	69,999	0	54,606	34,880	72,268
Arizona State U.	13	265,026	277,309	349,188	0	21,045	12,660	48,493	116,577	33,989	11,345	8,928	96,151
Virginia Polytechnic Institute and State U.	14	261,707	277,605	286,345	28,507	23,370	7,855	55,764	68,923	30,993	24,160	19,766	27,007
Ohio State U.	15	242,745	261,381	280,940	642	9,088	14,783	15,725	31,066	20,898	109,074	23,924	55,740
U. California, San Diego	16	176,720	250,772	267,384	0	29,260	0	11,164	151,210	0	26,502	31,685	17,563
North Carolina State U.	17	196,594	218,277	255,614	3,494	22,823	49,532	22,097	72,074	11,327	16,366	30,558	27,343
U. Maryland	18	183,899	218,811	235,205	18,833	30,051	12,203	49,339	12,988	4,149	28,537	10,130	68,975
U. California, Berkeley	19	209,311	216,013	226,722	0	297	9,964	37,956	123,655	117	55	11,467	43,211
U. Dayton	20	198,049	211,395	213,897	16,275	252	5,081	303	18,330	69,521	22,060	70,876	11,199
U. Washington, Seattle	21	180,277	188,972	212,077	10,754	34,173	11,085	18,367	47,200	2,404	20,498	10,393	57,203
U. Wisconsin-Madison	22	171,445	194,988	197,081	0	15,203	21,413	22,177	24,303	8,359	33,856	22,241	49,529
U. Delaware	23	161,894	174,863	195,199	0	15,632	90,879	24,839	29,751	0	25,298	0	8,800
Cornell U.	24	149,807	176,068	191,531	7,004	31,080	18,025	17,715	40,822	3,075	25,481	29,472	18,857
U. Florida	25	150,126	153,888	185,628	15,970	37,518	9,732	28,564	50,955	3,327	17,492	16,367	5,703
Carnegie Mellon U.	26	155,436	160,149	179,828	1,293	38,085	11,211	10,410	41,073	8,261	38,792	14,531	16,172
U. Colorado Boulder	27	175,118	177,788	173,721	79,765	12,937	13,856	18,561	21,536	0	19,723	801	6,542
Stanford U.	28	158,868	164,503	170,886	15,864	38,949	18,660	10,565	36,188	5,787	32,232	11,446	1,195
Rice U.	29	129,719	137,077	169,905	15	74,377	15,033	9,999	40,679	37	6,663	15,561	7,541
Iowa State U.	30	140,782	159,841	165,967	7,893	15,037	16,260	37,624	10,563	0	7,919	11,546	59,125
U. North Dakota	31	105,141	121,983	162,383	0	23	1,398	103,471	1,848	0	29,768	807	25,068
Auburn U., Auburn	32	108,344	122,623	160,298	6,443	4,553	10,848	29,497	21,338	14,474	23,285	16,389	33,471
U. Minnesota, Twin Cities	33	145,670	160,821	158,056	14,546	41,816	24,081	23,487	19,329	1,215	28,490	5,092	0
Northeastern U.	34	119,529	148,866	152,123	0	13,881	8,171	17,825	53,144	17,408	30,206	0	11,488
New York U.	35	132,311	142,831	149,197	0	18	4,562	1,337	19,503	0	2,083	0	121,694
U. Tennessee, Knoxville	36	116,222	128,648	137,592	27,245	972	9,894	20,372	21,423	14,736	0	18,772	24,178

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025									
				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	37	113,969	128,854	137,444	0	11,454	16,685	13,364	39,370	0	20,194	13,756	22,621
U. Virginia, Charlottesville	38	112,702	122,919	135,346	0	35,076	9,827	14,892	21,304	4,546	15,047	17,554	17,100
U. Pennsylvania	39	112,740	124,526	134,408	0	35,196	12,242	6	37,929	0	24,446	0	24,589
Clemson U.	40	103,188	119,002	133,252	0	19,027	3,947	23,627	16,268	6,567	38,026	15,374	10,416
Columbia U. in the City of New York	41	100,161	122,102	132,857	1,916	35,564	25,917	11,579	2,928	2,142	5,736	0	47,075
Duke U.	42	109,885	119,628	131,314	0	58,779	0	14,903	37,832	0	17,400	2,261	139
SUNY, U. Buffalo	43	123,383	124,566	130,657	6,483	17,250	17,386	20,416	3,825	8,478	24,146	5,528	27,145
U. California, Santa Barbara	44	111,017	108,076	128,508	0	22,744	7,001	3,159	52,513	0	10,099	32,795	197
Northwestern U.	45	93,785	120,781	121,705	0	20,342	22,232	8,044	9,717	2,111	15,335	29,131	14,793
U. Arizona	46	103,771	121,989	120,716	3,238	9,856	4,999	6,404	60,916	7,793	3,884	15,300	8,326
U. Utah	47	113,129	122,011	120,431	0	6,613	8,078	35,891	45,305	0	11,126	8,342	5,076
Boston U.	48	111,856	114,080	118,679	2,292	48,616	122	0	21,196	6,333	19,353	1,310	19,457
U. California, Davis	49	124,470	104,694	114,229	492	26,331	1,135	45,161	16,529	0	16,901	1,191	6,489
Princeton U.	50	87,035	101,614	113,500	3,777	17,355	10,275	9,029	39,727	2,428	8,510	0	22,399
U. Connecticut	51	72,672	84,479	112,119	0	9,405	14,390	32,932	14,605	0	17,202	21,396	2,189
U. Notre Dame	52	113,853	107,700	111,448	44,182	0	24,264	15,250	26,702	0	0	38	1,012
Michigan State U.	53	86,949	98,696	103,514	0	26,551	12,597	16,620	20,642	0	9,891	0	17,213
U. Massachusetts, Amherst	54	82,841	84,141	96,326	0	8,751	24,119	23,267	23,352	0	13,991	0	2,846
U. Southern California	55	82,633	90,850	94,884	5,501	16,871	10,986	7,602	44,730	2,120	0	0	7,074
Harvard U.	56	99,830	106,255	94,610	125	76,113	2,268	3,972	8,297	0	0	1,785	2,050
Montana State U., Bozeman	57	67,024	79,284	92,789	0	7,215	2,555	6,134	6,415	64	11,965	0	58,441
Vanderbilt U. and Vanderbilt U. Medical Center	58	82,313	83,016	91,608	0	20,779	13,170	14,360	24,166	0	17,382	0	1,751
U. Maine	59	72,340	71,425	88,908	0	413	9,310	3,122	5,687	1,421	1,958	65,464	1,533
U. California, Irvine	60	84,902	95,016	87,865	0	16,341	7,363	11,432	17,927	0	18,359	12,110	4,333
U. Houston	61	67,684	74,661	85,968	0	13,268	21,364	12,425	17,204	0	8,954	738	12,015
Case Western Reserve U.	62	59,900	71,589	85,642	6,618	51,438	7,702	896	1,594	1,544	3,320	1,105	11,425
U. Oklahoma[b]	63	58,746	76,633	84,893	13,603	7,284	12,900	12,728	26,932	4,728	0	0	6,718
U. Pittsburgh, Pittsburgh	64	82,238	83,908	84,684	0	27,643	8,725	8,211	10,162	3,213	21,491	0	5,239
Oregon State U.	65	71,532	79,966	83,701	103	2,989	5,708	20,016	17,976	8,961	10,387	135	17,426
U. Texas, Arlington	66	64,548	72,342	82,216	7,411	6,905	0	19,259	12,757	15,489	7,411	0	12,984
U. Nebraska, Lincoln and Medical Center	67	76,802	80,020	81,627	0	13,427	4,689	26,495	15,246	621	4,734	5,882	10,533
Woods Hole Oceanographic Institution	68	93,312	96,345	80,141	8,720	0	0	9,469	40,968	0	20,984	0	0
Florida State U.	69	67,635	82,132	79,454	3,922	933	8,049	9,467	18,770	5,524	22,328	8,926	1,535
Rensselaer Polytechnic Institute	70	66,158	71,966	78,891	0	11,005	11,505	3,988	14,124	240	21,729	12,477	3,823
George Mason U.	71	61,036	70,807	78,312	608	7,763	7	6,533	30,935	10,640	1,879	920	19,027
U. Kentucky	72	62,529	67,561	76,601	3,377	2,579	4,234	16,392	3,967	2,949	5,591	4,116	33,396
Colorado School of Mines	73	61,175	67,559	76,441	2,587	3,399	5,179	12,152	1,458	826	2,502	17,793	30,545

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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. Central Florida	74	68,340	72,550	74,449	8,273	242	0	9,519	14,293	3,713	21,389	7,403	9,617
U. Texas, Dallas	75	55,368	70,912	72,783	2,323	18,566	38	0	15,765	611	12,830	19,367	3,283
U. Cincinnati	76	54,548	61,486	72,063	8,400	7,090	12,242	0	9,379	0	15,842	0	9,279
New Jersey Institute of Technology	77	90,849	93,704	71,847	11,273	10,264	19,292	0	6,617	0	5,186	14	19,201
Colorado State U., Fort Collins	78	52,539	60,498	70,427	15	1,542	5,337	17,015	13,401	347	21,655	154	10,961
Louisiana State U., Baton Rouge	79	63,779	68,678	70,329	0	0	12,479	17,560	8,269	4,033	9,729	6,382	11,877
U. Alabama, Tuscaloosa	80	51,029	62,000	69,716	3,191	0	9,257	22,030	9,427	0	12,471	10,790	2,550
California Institute of Technology	81	73,871 i	75,727 i	69,054	11,870	5,976	3,834	0	4,740	0	18,559	22,296	1,779
U. South Carolina, Columbia	82	47,155	58,185	68,402	72	554	10,550	4,553	16,932	0	24,071	0	11,670
Texas Tech U.	83	53,564	59,044	67,398	0	0	12,760	14,086	14,238	2,265	11,619	0	12,430
Stevens Institute of Technology	84	50,295	57,044	66,591	59	3,796	1,674	5,381	1,977	49,563	3,110	546	485
Washington State U.	85	47,254	50,128	66,550	494	4,089	9,272	11,132	8,879	34	9,565	8,021	15,064
Michigan Technological U.	86	54,177	55,630	65,588	0	3,202	7,242	7,159	4,829	0	33,045	6,167	3,944
Missouri U. of Science and Technology	87	51,351	55,848	63,519	216	464	2,668	8,413	6,444	6,306	6,799	30,505	1,704
U. Massachusetts, Lowell	88	51,877	57,744	62,988	394	5,835	17,911	4,121	10,668	0	13,769	0	10,290
Mississippi State U.	89	78,080	68,736	61,855	16,050	1,379	2,375	2,874	10,224	9,205	5,916	1,614	12,218
Rutgers, State U. New Jersey, New Brunswick	90	61,910	58,726	60,772	0	4,578	8,377	4,711	7,058	1,086	5,825	4,240	24,897
U. South Florida	91	62,025	65,144	60,470	699	8,375	3,328	25,797	8,048	1,193	8,617	0	4,413
U. New Mexico	92	51,318	56,542	59,750	12,649	737	3,561	9,968	14,797	853	3,012	0	14,173
Florida International U.	93	56,199	56,953	59,559	0	6,400	0	18,446	17,966	63	11,684	378	4,622
U. Louisiana, Lafayette	94	35,532	42,556	58,730	120	1,610	13,079	9,398	7,030	0	17,701	9,014	778
Yale U.	95	40,153	45,279	58,728	0	15,185	9,949	0	16,030	0	12,226	69	5,269
Oklahoma State U., Stillwater	96	44,510	57,116	58,234	19,288	361	6,663	7,652	7,046	4,440	1,360	3,360	8,064
U. North Carolina, Chapel Hill	97	49,721	61,707	58,021	0	18,250	0	36,791	0	2,980	0	0	0
U. Arkansas, Fayetteville	98	49,645	63,086	57,819	141	9,210	4,348	7,528	19,696	3,857	5,753	0	7,286
U. Iowa	99	57,579	58,044	57,387	0	2,844	1,513	23,810	1,946	240	1,876	0	25,158
U. Alabama, Huntsville	100	55,164	54,721	55,371	31,108	5	1,515	625	15,562	2,572	3,527	300	157
Washington U., Saint Louis	101	33,691	43,826	54,308	0	19,875	18,135	125	6,980	0	0	7,379	1,814
U. California, Riverside	102	36,650	42,901	54,163	0	7,215	11,999	16,660	9,390	0	5,314	2,924	661
U. California, Santa Cruz	103	57,256	54,214	53,857	0	36,618	0	0	13,269	0	0	0	3,970
SUNY, Stony Brook U.	104	40,873	46,622	53,681	0	11,504	0	3,787	13,448	0	2,769	19,109	3,064
U. Chicago	105	47,857	50,292	53,319	0	0	0	0	0	0	0	0	53,319
West Virginia U.	106	50,052	53,100	51,801	9,938	0	9,558	5,044	7,569	2,320	9,642	3,751	3,979
U. Illinois, Chicago	107	46,820	45,603	51,473	0	16,862	4,219	4,619	8,737	0	16,545	0	491
New Mexico State U.	108	40,884	45,317	49,977	9,070	52	4,084	5,231	18,111	177	4,131	92	9,029
Dartmouth C. and Dartmouth Hitchcock Medical Center	109	41,232	50,635	49,072	27	20,163	4,646	2,095	9,824	167	6,252	0	5,898
SUNY, Binghamton U.	110	45,755	49,701	48,581	0	5,946	0	0	7,029	22,413	12,735	0	458

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U. Texas, El Paso	111	45,627	48,749	47,690	100	298	0	6,495	9,003	4,506	19,886	3,028	4,374
Worcester Polytechnic Institute	112	37,920	40,692	47,262	1,965	4,395	4,498	1,170	6,350	0	25,676	503	2,705
Tufts U.	113	34,614	39,166	46,608	85	25,115	2,962	5,301	4,128	559	3,027	73	5,358
Emory U.	114	26,414	37,498	41,328	0	41,328	0	0	0	0	0	0	0
U. Nevada, Reno	115	41,198	38,129	40,577	0	4,441	8,488	10,994	532	2,155	5,764	1,617	6,586
George Washington U.	116	29,442	33,883	40,301	4,077	5,662	0	5,097	6,867	8,067	3,238	361	6,932
Drexel U.	117	44,002	43,751	39,999	0	9,947	3,669	3,948	3,007	0	9,289	7,506	2,633
Virginia Commonwealth U.	118	29,890	35,917	39,678	0	5,180	5,596	0	13,744	0	9,110	0	6,048
New Mexico Institute of Mining and Technology	119	76,286	32,554	38,618	671	0	3,181	0	542	0	422	1,609	32,193
U. Missouri, Columbia	120	24,365	30,592	37,513	0	5,434	895	7,295	11,776	1,259	6,827	1,620	2,407
Old Dominion U.	121	32,001	31,644	37,273	1,815	0	0	1,703	7,900	23,420	2,270	0	165
Mercer U.	122	33,284	32,951	37,049	12,188	0	0	36	3,726	0	13,714	6,607	778
U. Georgia	123	27,420	30,656	36,179	0	2,313	8,293	17,118	5,476	0	2,094	0	885
U. Hawaii, Manoa	124	29,058	31,201	34,570	0	1,999	0	7,476	9,981	0	5,617	0	9,497
U. Kansas	125	25,610	33,322	34,568	2,723	0	11,519	12,815	3,006	0	2,179	0	2,326
U. Alaska, Fairbanks	126	31,211	35,676	34,509	15,248	549	0	4,899	7,945	0	193	989	4,686
Brown U.	127	27,640	33,027	34,380	0	7,135	3,524	0	3,551	0	3,779	2,540	13,851
U. New Hampshire	128	29,519	34,616	34,327	0	0	3,970	8,210	10,618	0	6,920	0	4,609
U. Alabama, Birmingham	129	28,505	30,203	34,111	5,213	14,554	431	2,343	2,231	0	9,048	0	291
U. Wyoming	130	23,084	32,812	33,932	84	877	8,826	4,809	2,145	0	1,127	0	16,064
Lehigh U.	131	32,406	35,324	33,750	0	3,476	3,094	4,585	2,334	1,629	10,385	7,727	520
Kansas State U.	132	30,352	33,623	32,464	1,398	0	1,913	4,706	6,329	1,337	4,934	0	11,847
U. Texas, San Antonio	133	25,584	30,334	32,433	0	6,340	0	9,401	3,119	1,312	3,610	0	8,651
U. Memphis	134	14,577	25,468	31,793	854	2,803	0	12,652	8,872	109	4,612	0	1,891
Rochester Institute of Technology	135	28,126	33,180	31,548	0	3,103	1,241	186	6,790	4,355	3,332	0	12,541
U. North Texas, Denton	136	27,249	36,595	30,547	0	3,078	0	0	3,920	0	5,523	15,960	2,066
Brigham Young U., Provo	137	26,923	31,754	29,989	1,579	1,753	5,509	5,526	7,171	1,631	5,953	486	381
North Carolina A&T State U.	138	20,925	29,902	29,476	0	2,357	470	332	5,859	3,025	4,913	0	12,520
U. Louisville	139	24,702	25,846	27,776	0	8,520	679	3,651	3,754	2,831	2,801	168	5,372
CUNY, City C.	140	21,627	25,432	27,018	0	7,351	2,881	6,217	6,929	0	3,018	0	622
U. Rochester	141	22,767	22,234	26,881	0	6,930	2,155	0	8,019	0	8,494	0	1,283
Rowan U.	142	19,322	24,283	26,207	0	2,319	6,473	2,102	2,529	0	2,186	0	10,598
Syracuse U.	143	24,796	25,436	25,192	947	5,319	1,173	2,633	5,323	79	6,783	0	2,935
U. North Carolina, Charlotte	144	23,417	22,653	25,110	0	0	0	2,997	6,448	1,754	6,525	0	7,386
Cleveland State U.	145	15,061	21,401	24,970	0	13,349	1,607	1,153	1,685	207	6,673	0	296
Embry-Riddle Aeronautical U.	146	13,774	22,820	24,434	20,202	0	0	658	2,535	0	886	0	153
Naval Postgraduate School	147	27,413	37,396	24,003	4,479	0	0	370	4,430	629	7,941	225	5,929

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025									
				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. Missouri, Kansas City	148	16,959	17,747	23,285	0	0	797	3,125	19,109	56	118	11	69
North Dakota State U.	149	25,034	26,245	23,059	0	0	0	6,746	2,552	928	5,072	0	7,761
Boise State U.	150	17,088	19,438	22,056	246	4,954	234	1,840	4,750	1,414	2,173	3,790	2,655
U. Vermont	151	18,270	20,298	21,971	2,788	0	0	5,341	3,609	0	5,363	0	4,870
U. Nevada, Las Vegas	152	13,866	21,008	21,938	0	0	0	6,913	3,868	0	7,398	0	3,759
U.S. Air Force Academy	153	36,441	37,077	21,717	3,418	0	190	12	310	0	215	17,572	0
U. California, Merced	154	21,052	18,045	20,702	224	2,733	207	1,454	431	0	5,765	1,807	8,081
Morgan State U.	155	10,725	12,790	19,996	23	0	0	7,560	6,176	421	0	0	5,816
Air Force Institute of Technology	156	37,232	24,545	19,925	5,115	0	0	348	7,729	456	184	727	5,366
San Diego State U.	157	16,138	17,100	19,899	2,896	1,371	0	4,606	5,303	0	5,549	0	174
U. Rhode Island	158	14,637	17,567	19,874	82	2,208	2,249	1,652	1,965	32	3,961	0	7,725
Florida Atlantic U.	159	17,629	17,107	19,761	0	0	513	2,980	23	0	0	0	16,245
U. Texas Rio Grande Valley	160	11,028	15,318	19,526	845	681	31	947	1,436	3,332	5,303	3,772	3,179
Florida A&M U.	161	9,530	15,567	19,382	0	0	5,952	3,622	2,199	2,473	2,262	0	2,874
Tennessee Technological U.	162	9,802	17,343	19,315	0	0	1,450	2,814	5,612	531	8,231	0	677
Indiana U., Bloomington	163	25,104	18,075	19,012	0	0	0	0	17,223	0	0	0	1,789
Wayne State U.	164	13,718	17,171	18,784	0	3,368	2,662	3,480	4,621	1,577	1,357	0	1,719
U. Tulsa	165	10,991	11,536	18,485	0	0	1,945	0	2,904	0	5,118	0	8,518
Texas State U.	166	11,165	15,009	18,281	1,266	0	0	1,515	134	50	8	3,191	12,117
Missouri State U.	167	12,633	13,388	18,115	11	0	0	0	0	0	0	18,104	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	168	14,491	16,263	18,014	1,145	561	8,049	1,359	1,457	636	2,217	168	2,422
Oregon Health and Science U.	169	14,960	15,628	18,008	0	18,008	0	0	0	0	0	0	0
Illinois Institute of Technology	170	13,311	15,745	17,518	3,543	3,885	1,283	3,810	3,691	32	761	0	513
South Dakota School of Mines and Technology	171	15,552	16,592	17,491	0	1,917	3,649	802	126	79	1,449	6,086	3,383
Villanova U.	172	11,370	13,792	17,155	0	232	1,676	6,440	2,069	0	4,764	0	1,974
U. Southern Mississippi	173	10,921	11,700	16,997	0	0	0	117	0	0	0	0	16,880
Louisiana Tech U.	174	15,078	15,478	16,870	0	3,463	3,211	2,817	1,095	538	5,746	0	0
Baylor U.	175	11,454	16,077	16,688	134	288	0	0	6,811	0	8,220	723	512
U. Puerto Rico, Mayaguez	176	7,401	13,622	16,489	0	0	5,441	2,579	5,182	463	859	1,128	837
Ohio U.	177	16,193	17,228	16,195	3,777	108	4,291	2,787	81	115	226	383	4,427
Clarkson U.	178	14,568	15,279	15,044	0	1,095	1,987	4,366	4,578	0	1,671	0	1,347
U. Mississippi	179	11,818	13,909	15,032	37	3,380	942	5,834	1,144	0	1,252	646	1,797
Southern Methodist U.	180	8,535	12,774	14,886	0	0	0	2,330	2,129	1,698	3,505	0	5,224
California State U., Sacramento	181	11,433	12,631	14,775	0	0	0	13,648	751	0	376	0	0
U. Texas Southwestern Medical Center	182	0	11,682	13,789	0	13,789	0	0	0	0	0	0	0
U. Miami	183	8,034	9,216	13,448	542	0	2,455	4,781	1,121	0	3,151	0	1,398
Prairie View A&M U.	184	5,101	9,454	13,289	924	163	945	3,215	4,713	5	1,562	73	1,689

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025									
				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. of St. Thomas (MN)	185	1,145	4,427	13,217	0	0	0	24	11,761	73	1,103	0	256
U. Maryland, Baltimore County	186	10,631	10,580	12,602	153	1,751	1,439	412	3,661	372	2,892	80	1,842
U. Michigan, Dearborn	187	8,414	10,273	12,028	0	0	0	0	7,632	2,082	2,023	0	291
U. Idaho	188	13,229	14,091	11,741	1,286	892	494	2,012	877	125	1,740	575	3,740
U. Massachusetts, Dartmouth	189	11,936	12,418	11,716	0	1,485	0	2,744	4,650	0	2,712	0	125
Texas A&M U.-Corpus Christi	190	9,507	12,277	11,700	7,643	11	34	476	349	130	1,493	0	1,564
U. Akron	191	8,851	10,504	11,614	0	788	2,209	1,216	2,316	0	5,085	0	0
U. Wisconsin-Milwaukee	192	9,725	11,760	11,389	0	764	0	2,217	1,624	450	2,782	1,434	2,118
Marquette U.	193	12,351	13,202	11,271	0	989	0	3,553	2,462	0	3,371	0	896
U. Toledo	194	11,520	11,782	11,131	0	872	1,709	1,470	1,208	1,563	4,309	0	0
Tulane U.	195	6,779	9,254	11,124	0	7,026	4,098	0	0	0	0	0	0
Temple U.	196	8,815	11,150	11,096	0	3,258	0	2,616	1,924	0	2,068	0	1,230
North Carolina Central U.	197	11,000 i	10,915	10,572	344	10,104	124	0	0	0	0	0	0
U. South Alabama	198	7,228	11,730	10,450	0	0	2,353	4,777	1,999	0	470	0	851
U.S. Military Academy	199	7,462	10,271	10,149	177	0	0	1,278	583	2,071	3,332	0	2,708
Oakland U.	200	9,138	10,392	10,139	0	0	0	0	3,244	421	3,057	0	3,417
San Jose State U.	201	9,496	8,237	9,283	480	3	2,353	651	2,756	735	1,697	0	608
South Dakota State U.	202	8,819	8,537	9,277	0	0	0	1,277	1,259	0	985	0	5,756
Southern Illinois U., Edwardsville	203	6,427	9,362	9,186	0	6,918	0	1,693	425	15	135	0	0
U. Oregon	204	5,844	6,064	9,125	0	9,103	0	22	0	0	0	0	0
Northern Arizona U.	205	5,880	9,875	8,967	65	1,495	0	814	2,146	214	2,919	33	1,281
Portland State U.	206	7,108	6,803	8,746	388	184	19	3,981	2,401	90	236	4	1,443
Northern Illinois U.	207	4,565	9,464	8,668	0	0	0	0	1,047	4,379	1,829	0	1,413
California Polytechnic State U., San Luis Obispo	208	9,181	7,251	8,534	1,408	1,108	2	1,325	593	37	523	456	3,082
Howard U.	209	11,221	13,345	8,487	0	0	931	1,717	3,367	0	1,641	0	831
Saint Louis U.	210	3,187	5,214	8,263	440	1,517	0	1,154	198	742	2,972	0	1,240
Florida Institute of Technology	211	5,021	5,886	8,027	2,785	1,282	775	277	649	725	561	287	686
Montana Technological U.	212	6,151	9,496	7,956	0	0	107	174	615	0	201	6,837	22
U. of the District of Columbia	213	3,342	3,627	7,858	0	0	0	478	306	0	6,972	0	102
Lamar U.	214	6,659	6,270	7,432	0	0	3,240	2,740	73	1,247	132	0	0
Tennessee State U.	215	3,026	5,176	7,390	0	0	0	0	82	0	67	0	7,241
Marshall U.	216	5,227	6,097	7,083	39	19	0	3,598	0	0	1,839	44	1,544
U.S. Naval Academy	217	5,848	5,860	6,957	0	0	0	0	211	0	1,841	0	3,748
Weber State U.	218	ne	449	6,681	5,876	0	0	0	244	49	162	0	350
California State Polytechnic U., Humboldt	219	5,920	6,072	6,623	0	112	0	1,911	127	45	0	0	4,428
California State U., Long Beach	220	3,160	4,265	6,441	77	783	801	2,207	631	0	1,448	0	494
Kennesaw State U.	221	3,445	5,148	6,236	0	0	87	4,094	95	0	1,058	0	902

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025									
				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
Brandeis U.	222	5,918	6,867	6,139	0	6,139	0	0	0	0	0	0	0
Tuskegee U.	223	3,262	2,947	5,545	425	0	499	33	358	0	686	3,544	0
Miami U.	224	4,562	4,806	5,521	0	178	2,198	0	1,110	0	2,026	0	9
Idaho State U.	225	5,435	5,458	5,454	0	0	0	272	236	0	260	0	4,686
Alfred U.	226	4,076	5,501	5,358	0	0	0	0	0	0	0	5,358	0
California State U., Fresno	227	1,450	2,396	5,226	0	92	0	2,194	2,598	0	261	0	81
Texas A&M U.-Kingsville	228	5,130	4,751	5,138	253	0	10	64	362	105	1,528	0	2,816
California State U., Northridge	229	2,935	2,872	5,123	276	112	0	844	483	60	1,490	0	1,858
Medical C. Wisconsin	230	7,828	5,926	5,070	0	5,070	0	0	0	0	0	0	0
Georgia Southern U.	231	4,200	5,206	4,907	30	8	167	1,401	669	569	1,604	262	197
Catholic U. of America	232	3,217	4,134	4,876	0	751	0	1,056	1,293	0	1,557	0	219
Morehead State U.	233	2,141	1,593	4,845	4,835	0	0	0	10	0	0	0	0
Santa Clara U.	234	2,617	4,165	4,647	0	445	0	0	730	0	1,037	0	2,435
Jackson State U.	235	3,214	4,121	4,639	0	0	0	2,916	1,673	0	50	0	0
California State Polytechnic U., Pomona	236	1,673	1,982	4,531	148	159	521	1,247	759	405	2	0	1,290
Purdue U., Northwest	237	3,078	3,182	4,367	0	0	0	9	60	3,607	648	0	43
Kent State U.	238	1,904	2,221	4,299	3,104	151	0	0	561	39	0	0	444
U. Colorado Denver	239	4,511	3,950	4,242	0	490	0	2,061	508	0	663	0	520
U. Puerto Rico, Rio Piedras	239	2,930	2,564	4,242	0	4,242	0	0	0	0	0	0	0
SUNY, C. of Environmental Science and Forestry	241	2,095	1,825	4,233	406	180	1,105	2,443	0	0	0	99	0
CUNY, Advanced Science Research Center	242	1,871	2,511	4,205	0	4,050	7	0	0	0	0	0	148
Southern U. and A&M C., Baton Rouge	243	2,338	3,122	4,036	0	0	0	74	357	0	3,605	0	0
Southern Illinois U., Carbondale	244	3,183	4,600	3,746	27	503	0	587	1,319	15	579	65	651
Alabama A&M U.	245	3,018	3,344	3,742	0	0	0	950	1,754	0	1,038	0	0
U. Denver	246	3,612	3,329	3,704	0	839	0	88	1,240	0	1,318	6	213
Wright State U.	247	4,819	3,281	3,291	0	169	0	0	1,095	0	2,008	0	19
U. Alaska, Anchorage	248	1,878	1,833	3,259	602	0	0	800	429	0	1,247	87	94
San Francisco State U.	249	1,967	2,145	3,244	0	120	0	1,683	621	0	672	0	148
New School	250	3,565	1,495	3,221	0	0	1,500	362	3	25	1,329	0	2
South Carolina State U.	251	924	1,796	3,195	0	0	0	685	0	560	134	0	1,816
East Carolina U.	252	3,013	3,367	3,156	0	0	111	564	145	0	0	0	2,336
California State U., Los Angeles	253	2,149	2,200	3,028	0	44	0	809	115	0	1,878	0	182
U. Texas Medical Branch	254	7,397	2,034	3,022	0	3,022	0	0	0	0	0	0	0
U. Washington, Tacoma	255	328	352	2,888	0	219	0	2,474	98	0	38	0	59
U. North Florida	256	4,313	3,876	2,753	0	0	0	906	149	3	1,644	0	51
U. West Florida	257	1,322	924	2,701	0	0	0	0	0	0	1	0	2,700
U. Texas, Tyler[C]	258	812	887	2,683	0	0	400	149	1,756	95	159	0	124

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025									
				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
Milwaukee School of Engineering	259	2,790	3,019	2,418	0	161	0	999	16	28	1,214	0	0
Pennsylvania State U., Harrisburg	260	272	877	2,300	107	65	0	45	753	18	1,159	153	0
Norfolk State U.	261	2,218	2,016	2,272	0	0	0	0	0	0	0	0	2,272
Chapman U.	262	2,041	2,118	2,222	0	469	0	1	227	0	0	0	1,525
Bucknell U.	263	2,064	1,574	2,052	0	310	314	316	461	0	444	0	207
SUNY, Polytechnic Institute	264	282,110	612	1,984	22	12	0	403	1,322	0	163	36	26
Arkansas State U., Jonesboro	265	660	668	1,927	0	771	0	434	187	132	213	190	0
U. Minnesota, Duluth	265	1,878	2,163	1,927	0	0	100	850	197	370	0	0	410
Texas A&M International U.	267	175	768	1,917	0	32	0	0	2	21	64	37	1,761
U. Arkansas, Little Rock	268	2,063	2,281	1,691	1,457	0	30	0	0	0	50	19	135
Wake Forest U.	269	1,499	1,499	1,647	0	0	0	0	0	0	0	0	1,647
Franklin W. Olin C. of Engineering	270	2,312	1,637	1,636	240	128	0	28	164	0	453	0	623
California State U., Fullerton	271	1,355	1,138	1,609	0	0	0	416	450	0	654	0	89
U. Tennessee, Chattanooga	272	4,138	1,913	1,600	0	0	291	278	229	0	802	0	0
Tarleton State U.	273	857	1,024	1,571	0	0	0	0	0	15	451	0	1,105
U. Hartford	274	1,067	1,095	1,537	1,298	2	0	121	25	0	81	0	10
California State U., San Marcos	275	937	1,454	1,478	0	32	0	0	70	0	0	0	1,376
Minnesota State U., Mankato	276	1,166	1,380	1,473	0	0	0	492	59	33	220	0	669
California State U., Chico	277	1,465	1,450	1,413	0	0	0	962	293	96	48	0	14
West Texas A&M U.	278	1,075	1,545	1,400	0	0	561	281	52	0	0	0	506
Florida Polytechnic U.	279	1,404	773	1,369	0	0	0	29	203	14	255	557	311
Youngstown State U.	280	2,553	1,924	1,364	0	0	0	554	39	0	369	55	347
U. Houston-Clear Lake	281	184	423	1,346	0	113	0	0	0	346	875	0	12
Pennsylvania State U., Behrend	282	1,892	1,528	1,316	426	16	6	0	1	251	452	164	0
CUNY, New York City C. of Technology	283	806	762	1,266	0	0	0	513	257	0	31	0	465
U. Nebraska, Omaha	284	1,782	1,936	1,259	679	580	0	0	0	0	0	0	0
U. Massachusetts, Boston	285	1,298	1,773	1,256	4	225	0	20	858	0	0	0	149
Virginia State U.	286	2,110	2,156	1,249	878	0	0	0	92	38	0	0	241
Rhode Island School of Design	287	ne	1,013	1,200	0	0	0	0	0	0	0	111	1,089
Pittsburg State U.	288	2,461	2,333	1,189	0	0	1,025	0	0	0	0	164	0
Hampton U.	289	837	1,188	1,188	106	0	162	0	868	0	0	0	52
Harvey Mudd C.	290	774	1,338	1,157	0	0	0	0	0	0	0	0	1,157
Purdue U., Fort Wayne	291	192	1,017	1,114	0	0	0	767	0	0	158	0	189
U. New Orleans	292	2,509	2,539	1,109	0	0	0	154	409	0	119	0	427
C. Charleston	293	583	911	1,067	61	282	0	0	37	185	48	210	244
New York Institute of Technology	294	844	721	1,058	0	0	0	8	639	0	411	0	0
Kettering U.	295	ne	ne	1,055	0	0	41	0	314	143	557	0	0

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025								
				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. New Haven	296	120	684	1,052	24	53	334	105	266	0	178	85	7
Liberty U.	297	588	2,456	1,040	5	0	0	15	0	0	799	0	221
U. South Carolina, Aiken	298	126	0	1,038	0	782	0	0	0	0	0	256	0
Oregon Institute of Technology	299	1,104 i	1,073 i	1,028 i	0 i	0 i	0 i	249 i	87 i	68 i	111 i	90 i	423 i
California State U., Bakersfield	300	711	586	995	0	0	0	0	570	0	0	0	425
U. North Carolina, Wilmington	301	1,317	1,027	991	445	0	0	535	11	0	0	0	0
Lawrence Technological U.	302	816	912	974	0	59	0	558	217	0	111	0	29
Boston C.	303	592	1,305	972	0	0	0	0	0	0	0	0	972
Indiana U., Indianapolis	304	9,390	6,808	924	0	43	0	0	83	0	202	0	596
U. Colorado Colorado Springs	305	1,144	1,070	916	11	0	0	0	225	0	680	0	0
Lafayette C.	306	581	688	846	0	26	362	281	18	0	97	0	62
Swarthmore C.	307	338	528	832	0	44	0	184	145	0	453	0	6
James Madison U.	308	576	706	821	0	1	0	0	0	0	0	0	820
Marian U., Indianapolis	309	0	1,497	806	0	84	58	73	24	0	47	0	520
U. San Diego	310	608	548	777	0	113	0	0	0	204	0	0	460
Western New England U.	311	686	739 i	774 i	0 i	59 i	0 i	204 i	176 i	84 i	251 i	0 i	0 i
Western Kentucky U.	312	615	674	773	0	0	32	61	63	15	584	0	18
U. Wisconsin-Oshkosh	313	157	565	758	0	2	0	748	5	0	3	0	0
U. Colorado Anschutz Medical Campus	314	842	707	732	0	732	0	0	0	0	0	0	0
Manhattan U.	315	447	750	727	0	0	0	607	0	0	120	0	0
U. Maryland Center for Environmental Science	316	0	0	724	0	0	0	0	0	0	0	0	724
U. Detroit Mercy	317	1,010	682	693	0	0	90	37	344	0	222	0	0
U. South Dakota	318	1,153	1,198	691	0	691	0	0	0	0	0	0	0
CUNY, Graduate Center	319	206	491	674	0	674	0	0	0	0	0	0	0
U. Maryland, Eastern Shore	320	63	213	672	5	355	0	0	0	0	293	19	0
Montclair State U.	321	402	538	651	0	0	10	390	118	43	0	0	90
C. New Jersey	322	278	729	639	0	190	0	83	32	0	7	0	327
Hofstra U.	323	642	431	625	6	439	0	25	56	9	85	0	5
Christopher Newport U.	324	541	628	622 i	622 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Robert Morris U.	325	612	581	619	0	544	57	0	0	7	4	0	7
Long Island U.	326	0	378	615	0	0	0	0	615	0	0	0	0
U. Central Oklahoma	327	50	50	608	0	279	0	0	0	0	329	0	0
East Tennessee State U.	328	87	423	598	0	445	0	100	0	0	0	0	53
Appalachian State U.	329	266	430	585	0	0	0	0	0	0	0	0	585
Saginaw Valley State U.	330	0 i	0 i	580 i	0 i	0 i	0 i	0 i	0 i	0 i	580 i	0 i	0 i
Savannah State U.	331	502	610	557	0	5	0	348	0	0	0	0	204
Smith C.	331	567	417	557	75	327	45	53	38	0	0	0	19

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025									
				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
United Tribes Technical C.	331	444	106	557	0	0	0	0	0	0	506	0	51
SUNY, Cobleskill	334	2,301	856	538	0	0	0	0	0	0	538	0	0
Pennsylvania State U., Altoona	335	425	861	535	299	0	0	67	4	73	92	0	0
Merrimack C.	336	16	39	533	0	0	0	230	38	0	201	64	0
Union C., Schenectady	337	519	576	529	0	127	0	77	90	2	219	6	8
U. Southern Maine	338	301	600	521	80	0	0	0	0	44	30	325	42
Fort Lewis C.	339	628	475	519	49	0	45	0	170	0	0	0	255
Central Michigan U.	340	377	414	514	290	0	0	127	0	2	95	0	0
U. of the Virgin Islands	341	790	792	509	509	0	0	0	0	0	0	0	0
Seattle U.	342	282	332	499	0	0	0	88	189	0	222	0	0
U. Wisconsin-Green Bay	343	484 i	467 i	494 i	0 i	0 i	0 i	147 i	214 i	0 i	133 i	0 i	0 i
U. Missouri, Saint Louis	344	38	643	479	0	0	0	479	0	0	0	0	0
Eastern Michigan U.	345	534	18	451	182	0	0	0	0	0	127	16	126
Southern Utah U.	345	ne	90	451	69	0	0	52	0	0	0	0	330
Western Illinois U.	347	717	781 i	449 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	449 i	0 i
Utah Valley U.	348	668	764	441	0	0	33	8	297	0	103	0	0
Duquesne U.	349	187	308	440	0	403	0	0	0	0	37	0	0
U. South Carolina Upstate	350	ne	641	427	0	0	427	0	0	0	0	0	0
Roger Williams U.	351	202	367	416	0	3	0	0	222	0	70	0	121
Alcorn State U.	352	1,349	408	407 i	0 i	0 i	0 i	21 i	0 i	0 i	59 i	0 i	327 i
Fairfield U.	353	474	552	402	0	124	0	0	60	0	217	1	0
Clark Atlanta U.	354	114	174	398	0	0	0	0	0	0	0	0	398
Metropolitan State U. of Denver	355	ne	ne	393	393	0	0	0	0	0	0	0	0
Delaware State U.	356	419	567	389	370	19	0	0	0	0	0	0	0
Benedict C.	357	1,428	218	366	0	0	0	0	0	0	0	0	366
Pace U.	358	684	498	351	0	0	0	1	0	0	350	0	0
Trinity U.	359	137	319	348	0	0	114	0	0	0	0	0	234
Citadel Military C. South Carolina	360	491	488	320	0	0	0	235	3	0	58	0	24
Texas Christian U.	361	95	126	318	0	260	0	0	0	3	0	0	55
CUNY, Hunter C.	362	0	357	313	0	313	0	0	0	0	0	0	0
California Baptist U.	363	ne	ne	298	0	95	95	0	0	0	87	0	21
Southeastern Louisiana U.	364	140	81	295	0	0	0	0	0	295	0	0	0
U. Washington, Bothell	365	530	198	294	143	15	0	92	0	0	44	0	0
Western Washington U.	366	621	614	290	0	0	0	0	0	0	0	0	290
Western Carolina U.	367	395	478	287	82	93	56	0	0	0	56	0	0
Hope C.	368	493	403	279	0	0	0	0	0	0	279	0	0
Middle Tennessee State U.	369	196	201	275	0	0	0	85	0	0	0	0	190

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025									
				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
Central State U.	370	155	234	269	0	0	0	38	0	103	0	0	128
Trinity C., Hartford	371	71	121	264	0	0	0	0	0	0	0	0	264
Albany State U.	372	1,177	2,953	260	8	0	0	215	0	0	0	0	37
Coastal Carolina U.	373	275	393	242	0	193	0	0	0	0	0	0	49
Sacred Heart U.	374	0	62	241	0	0	0	0	241	0	0	0	0
Towson U.	374	0	11	241	40	0	0	201	0	0	0	0	0
Texas Southern U.	376	75	98	235	0	139	0	0	0	0	0	0	96
U. Michigan, Flint	377	ne	142	230	0	0	0	0	116	1	0	0	113
U. Wisconsin-Superior	377	0	4	230	5	0	0	225	0	0	0	0	0
Langston U.	379	0	127	227	0	0	0	227	0	0	0	0	0
Providence C.	380	0	53	226	0	221	0	0	0	0	0	0	5
U. North Carolina, Asheville	380	2	106	226	0	0	0	0	0	0	0	0	226
Xavier U. Louisiana	382	135	268	217	0	0	0	0	0	0	0	0	217
Eastern Washington U.	383	71	170	213	0	0	0	0	0	0	0	0	213
SUNY, Oswego	384	150	192	204	0	0	0	0	201	0	0	0	3
California State U., Monterey Bay	385	23	45	202	0	16	0	0	0	0	0	0	186
Florida Gulf Coast U.	386	221	139	180	0	5	0	139	0	12	0	0	24
Pennsylvania State U., Berks	387	ne	ne	176	0	58	0	0	6	20	92	0	0
U.S. Coast Guard Academy	388	133	ne	164	29	0	10	9	40	0	1	0	75
California State U., East Bay	389	155	146	161	0	0	0	0	0	0	0	0	161
U. Portland	390	ne	ne	157	38	0	0	19	0	0	57	0	43
Bradley U.	391	ne	ne	154	0	0	0	79	25	7	35	0	8
Ferris State U.	392	0	579	149	0	0	0	0	149	0	0	0	0
Bowling Green State U.	393	189	86	146	0	0	0	12	0	8	0	0	126
West Chester U. Pennsylvania	394	51	51	140	0	140	0	0	0	0	0	0	0
U. Texas of the Permian Basin	395	416	292	139	0	0	0	0	55	0	7	0	77
Keck Graduate Institute	396	129	138	136	0	136	0	0	0	0	0	0	0
U. Wisconsin-Stevens Point	397	82	51	133	0	0	125	0	0	0	0	0	8
Loyola Marymount U.	398	0	378	131	0	0	0	0	121	0	10	0	0
Norwich U.	398	124	0	131	0	0	0	125	0	0	0	0	6
Lincoln Memorial U.	400	0	0	126	0	0	0	0	0	0	0	0	126
Marymount U.	400	111	257	126	0	66	0	0	0	0	60	0	0
U. of the Pacific	400	216 i	93 i	126 i	0 i	126 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Eastern Kentucky U.	403	69	112	121 i	0 i	0 i	0 i	0 i	90 i	0 i	0 i	0 i	31 i
Bentley U.	404	72	151	119	0	0	0	0	0	0	0	0	119
Grand Valley State U.	405	239	105 i	118	0	0	0	0	0	0	0	0	118
Virginia Military Institute	406	147	81	112	0	0	0	10	2	0	100	0	0

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025									
				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
Gonzaga U.	407	ne	ne	105	0	0	0	105	0	0	0	0	0
Sonoma State U.	408	67	74	97	16	0	0	0	81	0	0	0	0
Lipscomb U.	409	153	113	87	9	0	0	54	0	0	0	0	24
Indiana State U.	410	59	58	83	0	0	0	0	67	0	0	0	16
Colorado State U., Pueblo	411	8	106 i	80	0	0	0	0	0	0	0	0	80
Hawaii Pacific U.	412	0	47	69	0	69	0	0	0	0	0	0	0
East Texas A&M U.	413	113	123	66	0	0	0	0	0	5	0	0	61
Andrews U.	414	48	8	65	0	11	2	2	0	0	3	0	47
Dillard U.	415	85	101	63	0	0	0	14	0	0	0	6	43
U. California, San Francisco	416	0	0	61	0	61	0	0	0	0	0	0	0
U. Tennessee, Health Science Center	417	683	752	60	0	60	0	0	0	0	0	0	0
Calvin U.	418	134 i	99	59	0	0	0	0	0	0	46	0	13
Des Moines U.	418	0	5	59	0	59	0	0	0	0	0	0	0
St. Edward's U.	420	0	117	57	0	57	0	0	0	0	0	0	0
Central Washington U.	421	56	6	46	36	0	0	0	10	0	0	0	0
Elon U.	422	30	53	43	0	0	0	9	0	0	0	0	34
Ball State U.	423	32	58	36	0	0	0	36	0	0	0	0	0
California State U., San Bernardino	424	1,108	95	35	0	35	0	0	0	0	0	0	0
Quinnipiac U.	425	ne	ne	32	0	0	0	0	0	0	30	0	2
U. Wisconsin-Eau Claire	426	0	24	31	0	26	5	0	0	0	0	0	0
Kean U.	427	1	1	30	0	0	0	0	0	30	0	0	0
U. Houston-Downtown	428	79	81	29	0	0	29	0	0	0	0	0	0
U. Alaska, Southeast	429	92	41	27	23	0	0	0	4	0	0	0	0
Wheaton C., Wheaton	429	0	0	27	0	27	0	0	0	0	0	0	0
Stephen F. Austin State U.	431	0	0	25	0	0	0	0	0	0	0	0	25
Troy U.	432	47	38	22	0	0	0	0	0	0	0	0	22
Lake Superior State U.	433	43	11	20	0	0	0	0	0	0	0	0	20
Azusa Pacific U.	434	21	84	19	0	0	0	0	0	0	0	0	19
U. Central Arkansas	434	221	74	19	19	0	0	0	0	0	0	0	0
U. North Georgia	434	0	18	19 i	0 i	19 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
CUNY, C. Staten Island	437	288	19	13	3	0	0	0	0	0	0	0	10
Austin Peay State U.	438	9	3	12	0	0	0	0	12	0	0	0	0
U. San Francisco	438	4	9	12	0	3	0	0	9	0	0	0	0
U. Guam	440	0	0	10	0	0	0	0	0	0	0	0	10
Northern Michigan U.	441	0	45	9	0	0	0	0	0	9	0	0	0
Seattle Pacific U.	441	ne	9	9	0	0	0	0	4	0	5	0	0
Abilene Christian U.	443	15	68	7	0	0	0	0	0	0	3	0	4

Table 22. Higher education R&D expenditures at institutions in the standard form survey population in engineering subfields, ranked by all FY 2025 engineering R&D: FYs 2023–25 and by subfield for FY 2025

(Dollars in thousands)

Institution	Rank	2023	2024	2025									
				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
Midwestern State U.	443	ne	78	7	0	0	0	0	0	0	7	0	0
U. Wisconsin-River Falls	445	42	5	6	0	0	0	0	0	0	0	0	6
Sam Houston State U.	446	109	93	5	0	0	0	0	0	0	0	0	5
U. Scranton	446	4	1	5	0	0	0	0	0	0	5	0	0
DePaul U.	448	106	80	4	4	0	0	0	0	0	0	0	0
California State U., Channel Islands	449	0	3	3	0	0	0	0	0	0	3	0	0
St. Olaf C.	449	0	0	3	0	0	0	0	0	0	3	0	0
Juniata C.	451	ne	0	2	0	0	0	2	0	0	0	0	0
Creighton U.	452	0 i	0 i	1 i	0 i	0 i	0 i	0 i	0 i	0 i	1 i	0 i	0 i
St. Cloud State U.	452	54	42	1	0	0	0	0	1	0	0	0	0
All other surveyed institutions	-	2,521	1,392	0	0	0	0	0	0	0	0	0	0

i = imputed. 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 $1,634,920 thousand imputed for total R&D expenditures in engineering in FY 2025. 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 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.
[c] The University of Texas, Tyler includes expenditures from the University of Texas, Tyler and the University of Texas Health Science Center at Tyler due to the consolidation of the two campuses on 4 January 2021. Prior to FY 2025, both campuses reported to the survey as separate institutions.

Note(s):
Institutions reporting zero expenditures in these fields for FY 2025 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, multicampus 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.