

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
All institutions	-	1,242,798	1,235,978	1,364,942	97,277	39,337	701,430	56,658	28,777	165,278	11,476	264,709
U. Washington, Seattle	1	34,540	37,000	46,225	0	4,762	26,551	2,303	284	10,429	161	1,735
Ohio State U.	2	32,570	33,733	35,971	293	223	11,772	508	33	5,709	394	17,039
U. Kansas	3	28,015	33,020	30,542	245	534	19,401	1,510	0	8,557	0	295
U. California, San Diego	4	787	753	27,633	11	2	1,290	730	0	0	0	25,600
Columbia U. in the City of New York	5	12,304	18,374	27,114	649	0	4,047	648	299	21,348	0	123
Stanford U.	6	25,269	25,472	26,065	187	1,182	24,633	40	0	0	0	23
U. Texas, Austin	7	20,430	21,951	24,298	636	1,959	11,920	243	0	7,985	0	1,555
U. South Florida <sup>a</sup>	8	17,220	16,872	24,086	1,179	302	21,733	81	0	416	41	334
Florida State U.	9	18,312	21,067	22,599	3	780	20,384	272	19	967	71	103
U. North Carolina, Chapel Hill	10	18,990	20,294	20,850	672	353	7,942	39	0	9,949	58	1,837
U. Maryland <sup>b</sup>	11	18,754	20,102	19,989	452	92	4,788	1,432	277	7,877	106	4,965
Virginia Commonwealth U.	12	16,900	17,485	19,474	0	9	16,017	40	0	339	27	3,042
Vanderbilt U. and Vanderbilt U. Medical Center	13	22,034	21,966	19,390	45	0	19,161	7	0	0	0	177
U. Florida	14	18,905	21,625	18,722	2,847	769	12,327	135	90	0	517	2,037
U. Missouri, Columbia	15	11,488	19,161	18,506	0	177	14,641	70	152	383	0	3,083
Georgia State U.	16	15,303	15,364	18,398	355	1,648	12,276	0	619	3,500	0	0
Arizona State U.	17	13,557	15,773	17,666	3,141	750	8,127	487	730	4,378	53	0
U. Louisiana, Lafayette	18	4,059	14,125	17,648	6,954	252	5,329	4,699	0	0	116	298
Purdue U., West Lafayette	19	18,643	12,964	17,615	995	110	3,755	197	0	0	5	12,553
Washington U., Saint Louis	20	11,623	14,855	17,410	0	0	70	30	0	17,310	0	0
U. California, Irvine	21	9,860	15,767	17,136	557	0	16,515	24	0	0	40	0
Washington State U.	22	21,558	19,600	17,081	2,173	750	11,030	237	0	36	0	2,855
Pennsylvania State U., University Park and Hershey Medical Center	23	9,288	6,685	16,343	3,175	524	9,739	1,754	233	899	19	0
U. Pennsylvania	24	14,612	15,517	16,017	642	4,055	4,961	820	764	0	0	4,775
Texas A&M U., College Station and Health Science Center	25	17,219	16,093	15,927	632	24	13,959	223	10	0	0	1,079
U. Wisconsin-Madison	26	14,831	14,656	15,444	73	191	14,271	486	0	11	0	412
U. Colorado Boulder	27	14,982	15,393	15,435	1,295	153	13,674	179	0	0	0	134

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Texas State U.	28	16,111	13,652	15,180	86	0	5,167	0	9,583	0	127	217
U. Southern California	29	12,636	12,592	15,153	986	586	3,216	83	739	6,406	1,505	1,632
U. California, Los Angeles	30	12,974	12,811	14,850	644	1,465	12,268	14	316	0	30	113
U. Virginia, Charlottesville	31	19,322	17,919	14,801	0	0	11,172	2,272	356	0	10	991
Georgia Institute of Technology	32	7,525	9,624	14,134	258	745	7,329	563	0	0	585	4,654
U. Oregon	33	16,171	15,096	13,625	166	540	10,494	50	42	0	0	2,333
New York U.	34	20,713	15,252	12,475	227	0	8,575	213	136	1,322	0	2,002
U. Oklahoma, Norman and Health Science Center	35	5,215	4,088	12,251	510	178	10,502	0	0	76	32	953
U. Illinois, Urbana-Champaign	36	13,200	11,348	12,238	604	49	2,185	147	106	2,661	184	6,302
U. North Carolina, Greensboro	37	7,396	9,868	12,066	62	0	9,269	0	0	1,058	344	1,333
U. Utah	38	20,428	7,394	10,897	65	1,730	1,216	3	0	1,426	1,070	5,387
U. Baltimore	39	7,794	10,724	10,844	20	0	29	0	532	0	0	10,263
Michigan State U.	40	13,495	11,863	10,275	681	1,464	6,180	752	0	318	0	880
U. Denver	41	8,855	10,202	9,902	85	0	2,689	0	185	6,943	0	0
U. West Florida	42	10,296	9,681	9,624	8,371	0	1,019	0	0	71	0	163
U. Michigan, Ann Arbor	43	6,897	7,501	8,958	440	0	5,542	327	28	1,944	264	413
Brandeis U.	44	1,142	625	8,825	193	0	128	0	0	0	19	8,485
U. Massachusetts, Boston	45	8,966	12,568	8,735	0	0	8,386	179	0	0	170	0
Iowa State U.	46	2,325	4,759	8,657	5,088	16	729	303	0	0	271	2,250
Montana State U., Bozeman	47	8,000	8,799	8,284	41	0	1,659	9	0	0	0	6,575
U. Minnesota, Twin Cities	48	10,651	10,678	8,249	688	191	5,161	936	343	303	30	597
Colorado State U., Fort Collins	49	8,309	10,237	7,834	0	88	141	1,914	459	20	164	5,048
U. Illinois, Chicago	50	7,677	7,040	7,809	105	0	2,691	1,288	0	1,293	0	2,432
U. Alabama, Tuscaloosa	51	4,683	5,819	7,491	1,025	78	3,016	16	0	3,350	0	6
Harvard U.	52	7,282	7,290	7,279	0	80	6,019	813	367	0	0	0
Temple U.	53	11,472	8,036	7,215	1,463	174	4,292	71	339	342	17	517
Rutgers, State U. New Jersey, New Brunswick	54	10,578	7,257	6,982	1,679	530	2,077	261	0	1,242	0	1,193
U. Central Florida	55	8,459	6,715	6,711	797	148	3,613	64	0	551	0	1,538
U. California, Berkeley	56	6,273	4,886	6,331	628	755	4,752	145	51	0	0	0
Wayne State U.	57	3,694	4,601	6,268	0	1	880	17	99	3,137	0	2,134



**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Illinois State U.	88	5,437	5,080	4,593	129	0	4,055	0	0	0	0	409
U. California, Davis	89	4,106	3,897	4,488	33	10	3,002	406	0	0	1,037	0
Cornell U.	90	3,147	3,675	4,358	228	952	0	161	17	0	518	2,482
U. Houston	91	1,675	2,792	4,255	0	125	1,662	0	30	2,197	52	189
U. Massachusetts, Amherst	92	7,296	3,624	4,203	314	29	2,061	16	27	0	0	1,756
U. Chicago	93	4,939	4,713	4,177	243	0	1,173	234	0	2,487	0	40
West Virginia U.	94	3,033	2,202	4,085	234	136	1,731	140	61	9	0	1,774
U. Memphis	95	1,296	2,136	4,040	272	0	1,533	0	0	1,008	0	1,227
Delaware State U.	96	243	3,478	3,999	0	0	3,709	0	0	0	0	290
North Carolina Agricultural and Technical State U.	97	2,939	3,168	3,920	1,155	0	569	0	0	0	0	2,196
U. Montana, Missoula	98	2,647	3,322	3,846	23	31	1,303	28	0	2,461	0	0
George Mason U.	99	4,930	4,738	3,802	0	772	2,477	133	0	0	0	420
U. New Hampshire	100	5,642	5,819	3,744	67	0	2,597	5	0	1,075	0	0
St. Edward's U.	101	1,607	3,132	3,620	0	0	3,620	0	0	0	0	0
U. Georgia	102	3,320	4,004	3,604	266	90	2,204	197	0	0	0	847
Colorado C.	103	122	105	3,528	2,424	0	168	0	0	0	929	7
Rochester Institute of Technology	104	4,164	4,013	3,484	0	0	2,809	113	0	0	415	147
Massachusetts Institute of Technology	105	3,524	4,557	3,434	484	0	1,493	858	159	66	68	306
Rhode Island C.	106	2,606	3,026	3,424	539	0	2,480	0	0	405	0	0
Brown U.	107	2,611	2,496	3,272	0	0	2,666	18	10	0	0	578
East Carolina U.	108	1,884	3,585	3,180	30	0	3,021	0	0	44	0	85
Sam Houston State U.	109	1,407	2,320	3,160	0	0	3,157	3	0	0	0	0
Northwestern U.	110	4,560	3,696	3,100	704	1,148	1,059	79	110	0	0	0
San Diego State U.	111	1,920	2,068	3,086	410	32	2,213	48	0	367	0	16
Southern Methodist U.	112	2,650	2,193	3,083	0	0	2,926	97	0	0	60	0
SUNY, U. Buffalo	113	4,525	4,326	3,033	65	136	2,548	268	0	9	0	7
American U.	114	1,467	2,632	3,012	457	149	261	0	1,446	0	0	699
U. Nebraska, Lincoln	115	1,747	2,505	2,974	189	0	1,424	842	0	0	0	519
U. California, Santa Barbara	116	2,948	2,078	2,965	1,003	106	1,675	181	0	0	0	0
George Washington U.	117	3,135	3,507	2,874	735	0	1,460	402	33	0	0	244

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
U. Arkansas, Fayetteville	118	4,004	2,258	2,860	13	0	2,205	0	240	52	0	350
Salisbury U.	119	1,632	2,209	2,855	323	0	1,892	29	0	526	0	85
Kansas State U.	120	2,391	2,936	2,849	28	23	1,092	79	0	0	0	1,627
U. Mississippi	121	1,134	1,438	2,831	261	27	403	20	938	0	0	1,182
U. Texas, Arlington	122	2,566	2,793	2,812	59	0	481	27	0	610	0	1,635
U. Colorado Denver <sup>c</sup>	123	na	na	2,808	333	0	1,530	111	0	56	94	684
CUNY, John Jay C. of Criminal Justice	124	3,817	2,825	2,769	0	0	256	0	2,432	0	0	81
U. Cincinnati	125	3,236	2,840	2,686	80	0	1,521	14	0	0	0	1,071
U. Arizona	126	3,965	3,186	2,630	6	39	1,825	3	232	0	6	519
Rensselaer Polytechnic Institute	127	3,203	4,216	2,629	0	0	0	0	0	0	21	2,608
U. New Mexico	128	3,075	2,745	2,625	582	0	1,145	68	158	275	0	397
California State U., San Bernardino	129	2,660	2,312	2,604	0	0	2,604	0	0	0	0	0
U. Connecticut	129	5,724	4,085	2,604	204	128	520	29	0	890	0	833
Rice U.	131	479	2,093	2,534	219	0	2,314	0	0	0	1	0
Virginia Polytechnic Institute and State U.	132	3,399	1,840	2,442	227	226	935	114	0	0	13	927
Old Dominion U.	133	3,722	3,426	2,356	50	0	2,271	35	0	0	0	0
Mississippi State U.	134	1,192	1,523	2,221	66	0	1,843	0	0	0	0	312
Oklahoma State U., Stillwater	135	1,123	1,454	2,185	251	197	395	70	0	0	0	1,272
U. Kentucky	136	3,085	2,816	2,137	490	35	467	13	0	445	0	687
U. Tennessee, Knoxville <sup>d</sup>	137	1,885	1,661	2,129	526	644	646	0	9	14	2	288
Johns Hopkins U. <sup>e</sup>	138	2,759	2,673	2,121	0	0	0	1,928	0	0	0	193
U. Alabama, Birmingham	139	2,493	2,904	2,081	194	0	346	0	0	76	0	1,465
Bowling Green State U.	140	1,974	1,842	2,074	0	0	1,828	0	0	0	0	246
Florida Gulf Coast U.	141	2,829	2,665	2,057	220	0	1,751	35	31	3	0	17
U. Maine	142	1,217	1,621	1,999	0	143	160	344	0	69	0	1,283
U. Alaska, Fairbanks	143	1,559	1,842	1,982	119	0	1,288	358	0	0	0	217
U. Rhode Island	144	3,167	1,382	1,931	768	275	330	476	0	0	0	82
U. North Texas, Denton	145	1,251	1,634	1,892	607	0	1,068	3	0	0	7	207
CUNY, Hunter C.	146	2,297	2,387	1,891	0	0	1,445	3	0	443	0	0

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Colorado School of Mines	147	1,010	1,685	1,874	66	0	0	0	0	0	0	1,808
Brigham Young U., Provo	148	1,924	1,843	1,825	141	0	207	1,326	0	0	0	151
Texas Tech U.	149	5,279	1,790	1,809	470	699	343	90	0	0	82	125
U. Texas, San Antonio	150	1,602	1,822	1,775	53	233	1,060	85	0	311	33	0
Indiana U.-Purdue U., Indianapolis	151	1,677	1,573	1,749	134	9	514	113	0	427	0	552
U. North Dakota	152	2,465	2,132	1,721	0	0	422	0	0	53	0	1,246
U. Idaho	153	3,067	1,632	1,715	0	0	1,681	0	0	0	0	34
U. California, Riverside	154	1,485	2,268	1,702	0	0	1,658	40	0	0	0	4
U. California, Merced	155	337	495	1,641	380	3	427	3	0	0	4	824
Georgetown U.	156	1,046	544	1,621	146	274	0	128	237	0	0	836
Tufts U.	157	10,542	2,847	1,587	0	0	1,073	135	0	0	0	379
Duke U.	158	1,161	1,723	1,586	607	0	61	158	301	0	55	404
Lehigh U.	159	2,272	1,242	1,568	0	0	1,466	24	0	0	0	78
U. Maryland, Baltimore County	160	2,253	1,213	1,565	0	0	1,442	0	0	25	15	83
Kent State U.	161	774	1,598	1,559	0	0	1,034	3	0	5	0	517
U. Texas, El Paso	162	1,150	1,631	1,545	26	0	920	38	0	548	13	0
Texas A&M U.-Kingsville	163	1,545	1,357	1,443	0	0	1,202	0	0	0	0	241
SUNY, Stony Brook U.	164	1,360	952	1,420	0	229	190	259	0	601	0	141
U. Nevada, Las Vegas	165	1,209	1,065	1,414	3	4	1,192	0	0	0	0	215
Rutgers, State U. New Jersey, Newark	166	1,334	1,471	1,390	961	0	0	0	0	0	0	429
Stevens Institute of Technology	167	639	1,320	1,373	371	0	0	1,002	0	0	0	0
U. North Carolina, Charlotte	168	1,282	1,283	1,341	98	0	802	147	0	117	0	177
Montclair State U.	169	1,114	1,016	1,330	0	0	763	21	52	116	112	266
U. Southern Mississippi	170	1,237	1,079	1,323	20	0	0	86	0	0	0	1,217
Boise State U.	171	2,139	1,793	1,304	232	0	1,052	3	0	0	0	17
California State U., Sacramento	172	563	801	1,263	0	0	1,102	40	0	13	0	108
Utah State U.	173	592	723	1,234	0	0	525	0	0	0	0	709
U. Rochester	174	1,226	1,087	1,221	45	0	1,169	0	0	0	5	2
SUNY, Binghamton U.	175	587	537	1,213	132	0	487	0	0	0	0	594
Johnson C. Smith U.	176	996	1,143	1,212	0	0	1,106	0	0	0	0	106
U. Massachusetts, Lowell	177	1,361	1,267	1,209	96	0	928	129	0	0	0	56

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
National Defense U.	178	2,076	2,000	1,200	0	0	1,200	0	0	0	0	0
Texas A&M U.-Corpus Christi	179	1,320	896	1,185	68	0	872	25	0	0	0	220
Seton Hall U.	180	3,172	2,186	1,134	0	0	1,134	0	0	0	0	0
Morgan State U.	181	108	85	1,112	145	0	0	0	0	284	0	683
Jackson State U.	182	103	102	1,099	28	0	738	102	0	231	0	0
U. Washington, Bothell	183	1,553	1,555	1,053	103	0	913	0	0	0	0	37
U. of the District of Columbia	184	757	644	1,050	0	0	0	0	0	0	0	1,050
Southern Illinois U., Edwardsville	185	610	903	1,044	0	0	0	604	0	0	154	286
Florida Atlantic U.	186	617	908	1,031	0	0	303	0	0	26	0	702
San Jose State U.	187	2,071	2,041	1,021	786	0	0	13	0	77	0	145
Pace U.	188	1,042	877	1,014	0	0	1,014	0	0	0	0	0
Fayetteville State U.	189	194	209	1,009	193	0	816	0	0	0	0	0
U. Nevada, Reno	190	1,936	966	1,006	838	17	0	0	81	0	70	0
Loyola U., Chicago	191	643	741	969	0	0	257	0	0	712	0	0
U. Dayton	192	783	886	966	0	0	521	0	0	17	33	395
Worcester Polytechnic Institute	193	820	754	964	659	0	0	0	0	0	0	305
Fordham U.	194	1,047	997	963	0	20	471	58	55	356	0	3
SUNY, U. Albany	195	1,484	877	947	199	14	612	15	0	103	0	4
Emory U.	196	946	1,149	931	0	68	504	123	27	0	56	153
California State U., San Marcos	197	1,127	1,237	905	2	0	398	0	0	0	0	505
Dartmouth C. and Dartmouth Hitchcock Medical Center	198	628	1,179	886	48	0	42	450	0	0	132	214
Virginia State U.	199	1,150	1,012	855	0	0	782	0	0	0	0	73
Northern Arizona U.	200	824	895	854	0	73	781	0	0	0	0	0
North Carolina Central U.	201	1,268	904	845	0	0	682	0	46	117	0	0
Seattle U.	202	733	816	840	0	0	840	0	0	0	0	0
U. South Alabama	203	564	466	834	0	0	589	0	0	0	0	245
Loyola Marymount U.	204	203	108	831	0	0	806	0	0	0	0	25
U. Maryland Center for Environmental Science	205	903	876	830	0	0	830	0	0	0	0	0
U. Hawaii, Manoa	206	384	603	819	0	106	55	3	0	519	0	136
Winthrop U.	207	804	866	816	0	0	816	0	0	0	0	0

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
La Sierra U.	208	608	614	812	0	0	812	0	0	0	0	0
Saint Louis U.	209	334	256	783	0	0	0	13	0	113	0	657
Case Western Reserve U.	210	1,579	838	780	154	0	586	0	40	0	0	0
CUNY, Lehman C.	211	1,161	583	776	0	0	776	0	0	0	0	0
Erikson Institute	212	753	1,006	772	0	0	772	0	0	0	0	0
Auburn U., Auburn	213	673	624	771	40	0	296	186	0	0	0	249
U. North Carolina, Wilmington	214	769	799	738	380	0	334	24	0	0	0	0
Villanova U.	215	129	445	721	0	0	0	73	8	0	0	640
Lamar U.	216	1,037	989	716	50	0	463	0	0	0	0	203
South Carolina State U.	217	649	673	697	128	0	569	0	0	0	0	0
Chapman U.	218	379	537	693	0	570	8	0	100	0	0	15
Mills C.	219	840	1,341	683	0	0	683	0	0	0	0	0
U. Colorado Anschutz Medical Campus <sup>c</sup>	220	na	na	668	0	0	146	0	0	304	0	218
U. Houston-Downtown	221	1,307	1,118	665	0	0	665	0	0	0	0	0
Florida Institute of Technology	222	309	551	663	25	0	0	0	0	0	0	638
U. Texas Rio Grande Valley	222	309	503	663	18	0	454	59	0	46	0	86
California State U., Bakersfield	224	131	242	660	0	0	660	0	0	0	0	0
Bryn Mawr C.	225	749	698	655	0	0	0	562	0	93	0	0
William Paterson U.	226	966	824	653	1	0	652	0	0	0	0	0
Winston-Salem State U.	227	543	1,264	651	0	0	651	0	0	0	0	0
Drake U.	228	243	ne	645	0	0	610	0	5	0	0	30
California State U., Northridge	229	1,396	783	626	125	0	292	117	68	0	0	24
Texas Southern U.	230	0	659	610	0	0	0	0	0	0	0	610
CUNY, Queens C.	231	595	518	607	0	0	607	0	0	0	0	0
Embry-Riddle Aeronautical U.	232	80	151	601	62	0	0	0	0	0	0	539
Western U. of Health Sciences	233	462	431	600	0	0	600	0	0	0	0	0
U. Massachusetts, Dartmouth	234	396	440	597	0	0	597	0	0	0	0	0
U. Oklahoma, Tulsa	235	388	394	586	0	0	227	0	0	359	0	0
Duquesne U.	236	236	402	585	467	0	69	0	25	0	0	24
U. Northern Colorado	237	448	620	580	0	0	580	0	0	0	0	0
Wesleyan U.	237	582	746	580	0	0	541	0	0	0	39	0



**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Sacred Heart U.	239	ne	ne	572	0	0	572	0	0	0	0	0
Princeton U.	240	706	812	570	0	41	0	322	0	0	188	19
Cleveland State U.	241	493	522	564	0	0	532	0	0	32	0	0
Miami U.	242	2,075	1,644	558	0	50	112	0	0	0	0	396
U. San Diego	243	17	350	557	0	0	557	0	0	0	0	0
U. Nebraska, Omaha	244	1,152	1,370	554	55	0	499	0	0	0	0	0
California State U., Chico	245	505	577	552	2	0	550	0	0	0	0	0
U. North Carolina, Asheville	246	584	557	547	60	0	438	46	0	0	0	3
Pacific U.	247	1,186	877	544	0	0	472	72	0	0	0	0
Northeastern Illinois U.	248	400	640	543	0	0	543	0	0	0	0	0
Kennesaw State U.	249	761	287	542	310	0	232	0	0	0	0	0
Howard U.	250	556	471	536	0	96	40	0	0	400	0	0
U. Alabama, Huntsville	251	522	689	530	78	5	329	73	0	0	2	43
Claremont Graduate U.	252	472	6	526	0	0	526	0	0	0	0	0
U. Missouri, Saint Louis	253	300	306	513	0	0	404	0	0	109	0	0
California State U., Fresno	254	3	113	508	29	0	466	0	1	0	0	12
Saint Joseph's U.	255	112	272	506	0	0	506	0	0	0	0	0
Texas Woman's U.	256	1,187	818	505	0	0	505	0	0	0	0	0
U. Central Arkansas	256	115	47	505	0	0	358	0	0	0	0	147
U. Arkansas, Little Rock	258	574	629	501	0	0	445	0	56	0	0	0
Youngstown State U.	259	0	118	481	0	0	178	0	0	0	0	303
California State U., Dominguez Hills	260	126	73	473	0	0	473	0	0	0	0	0
U. Texas, Dallas	261	1,023	758	471	91	0	154	226	0	0	0	0
New Mexico State U.	262	839	915	464	0	0	418	0	0	0	0	46
Texas Christian U.	262	655	328	464	26	0	336	0	0	102	0	0
Citadel Military C. South Carolina	264	ne	266	456	1	0	455	0	0	0	0	0
U. Guam	265	235	358	454	0	0	454	0	0	0	0	0
U. Wisconsin-Milwaukee	266	433	641	453	0	0	416	3	0	0	3	31
Marquette U.	267	179	206	448	0	0	0	0	0	0	0	448
U. Vermont	268	27	305	436	0	0	436	0	0	0	0	0
Morehouse C.	269	67	139	431	135	0	0	0	0	0	76	220

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Pepperdine U.	270	515	432	425	0	0	305	2	118	0	0	0
U. Missouri, Kansas City	271	224	399	419	0	0	344	67	0	0	0	8
Bowie State U.	272	1,035	599	418	0	0	0	0	0	0	0	418
Dillard U.	273	0	36	416	0	0	416	0	0	0	0	0
California State U., Los Angeles	274	200	292	410	0	0	410	0	0	0	0	0
Willamette U.	274	114	179	410	0	0	410	0	0	0	0	0
U. Puerto Rico, Mayaguez	276	0	0	390	390	0	0	0	0	0	0	0
Tulane U.	277	32	74	385	188	0	0	0	0	0	0	197
Michigan Technological U.	278	221	260	382	0	0	370	12	0	0	0	0
Appalachian State U.	279	34	94	381	0	0	366	2	0	0	0	13
California Polytechnic State U., San Luis Obispo	280	146	413	378	8	52	278	40	0	0	0	0
U. California, Santa Cruz	281	1,034	655	376	0	0	55	214	0	0	107	0
Southern U. and A&M C., Baton Rouge	282	563	429	375	0	0	321	54	0	0	0	0
Clarkson U.	283	201	219	374	0	0	280	94	0	0	0	0
Ball State U.	284	322	107	370	293	0	7	0	0	25	0	45
U. Miami	285	530	410	369	0	0	369	0	0	0	0	0
New School	286	29	64	364	0	132	90	113	0	0	9	20
Tennessee Technological U.	286	157	133	364	0	0	196	1	0	0	0	167
U. Tulsa	288	251	142	352	0	0	316	0	11	0	25	0
Elizabeth City State U.	289	ne	463	337	0	0	331	6	0	0	0	0
Hampton U.	290	447	436	336	0	0	6	0	0	0	0	330
Kettering U.	290	81	145	336	336	0	0	0	0	0	0	0
Marshall U.	292	38	8	332	332	0	0	0	0	0	0	0
Northwest Indian C.	292	319	316	332	0	0	55	0	0	0	0	277
California State U., Long Beach	294	199	168	329	0	38	126	121	0	2	21	21
U. Washington, Tacoma	294	357	176	329	0	0	322	0	0	0	0	7
Western Washington U.	296	136	128	327	0	1	320	6	0	0	0	0
U. Nebraska, central administration	297	1,163	858	326	0	0	0	0	0	0	0	326
San Francisco State U.	298	526	320	323	0	0	321	0	0	0	2	0

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**  
(Dollars in thousands)

Institution	Rank	2019		2020		2021								
						All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
CUNY, New York City C. of Technology	299	96	226	313	0	0	313	0	0	0	0	0		
Hofstra U.	300	381	391	306	0	0	305	1	0	0	0	0		
St. Cloud State U.	301	218	318	304	0	0	304	0	0	0	0	0		
Grambling State U.	302	508	428	295	0	0	181	59	0	0	0	55		
Pratt Institute	303	ne	ne	294	0	0	0	0	0	0	0	294		
Indiana State U.	304	369	314	290	0	0	290	0	0	0	0	0		
C. Charleston	305	706	306	287	0	0	194	14	0	0	6	73		
West Texas A&M U.	306	287	289	280	0	0	41	0	0	0	0	239		
U. California, Office of the President	307	0	0	274	0	0	78	0	0	0	0	196		
Pennsylvania State U., Behrend	308	3	0	272	14	8	231	14	0	0	5	0		
Texas Tech U., Health Sciences Center, El Paso	309	41	28	265	0	0	240	0	0	0	0	25		
U. Colorado Colorado Springs	310	320	398	261	0	0	82	0	0	0	0	179		
U. Wyoming	310	425	1,275	261	0	0	43	0	0	0	0	218		
New Mexico Institute of Mining and Technology	312	93	324	258	103	0	155	0	0	0	0	0		
Prairie View A&M U.	313	100	115	251	0	0	161	0	0	0	0	90		
Carnegie Mellon U.	314	51	144	250	145	0	0	80	0	0	0	25		
CUNY, Graduate Center	315	224	355	245	0	0	123	0	0	0	0	122		
Catholic U. of America	316	234	259	242	0	0	0	0	108	70	0	64		
U. of Mary Washington	317	449	453	239	149	0	16	74	0	0	0	0		
Tennessee State U.	318	513	220	233	4	0	141	0	0	0	0	88		
Roger Williams U.	319	307	201	230	0	0	173	0	57	0	0	0		
U. Alaska, Anchorage	320	554	162	227	5	0	199	23	0	0	0	0		
Alabama A&M U.	321	309	211	225	18	6	122	8	0	23	1	47		
Wright State U.	322	66	54	224	25	0	40	0	0	87	0	72		
Doane U.	323	200	206	222	0	0	222	0	0	0	0	0		
Stephen F. Austin State U.	324	35	373	215	0	0	138	0	0	77	0	0		
Southeastern Louisiana U.	325	217	0	213	213	0	0	0	0	0	0	0		
Eastern Michigan U.	326	164	78	208	0	18	124	11	0	55	0	0		
Jacksonville State U.	326	2,245	1,186	208	0	0	208	0	0	0	0	0		

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Texas A&M U.-Commerce	328	56	222	198	0	0	56	0	0	0	0	142
Louisiana Tech U.	329	261	167	194	124	0	70	0	0	0	0	0
Arcadia U.	330	ne	ne	193	0	0	193	0	0	0	0	0
Rhode Island School of Design	331	31 i	30 i	192 i	0 i	0 i	0 i	20 i	0 i	0 i	107 i	65 i
James Madison U.	332	642	636	190	0	0	2	37	0	151	0	0
Langston U.	332	291	420	190	0	0	139	0	16	0	0	35
U. Toledo	332	471	358	190	0	0	28	0	0	104	0	58
Rowan U.	335	155	275	189	0	0	49	20	120	0	0	0
U. Central Oklahoma	336	180	178 i	187 i	0 i	0 i	55 i	0 i	0 i	0 i	0 i	132 i
Smith C.	337	5	167	184	0	0	75	0	0	0	0	109
Albany State U.	338	162	330	182	0	0	182	0	0	0	0	0
Reed C.	339	0	171	181 i	0 i	0 i	0 i	181 i	0 i	0 i	0 i	0 i
Santa Clara U.	340	67	35	174	94	0	16	0	0	0	0	64
CUNY, Brooklyn C.	341	255 i	266	170	0	0	126	24	0	0	0	20
Creighton U.	342	152 i	139 i	159 i	7 i	6 i	69 i	11 i	5 i	36 i	2 i	23 i
Idaho State U.	343	325	156	157	27	0	67	9	0	0	0	54
Central Connecticut State U.	344	212	383	155	0	0	100	55	0	0	0	0
U. Puerto Rico, Rio Piedras	344	273	304	155	0	0	75	0	0	0	0	80
U. Texas of the Permian Basin	346	ne	21	152	0	0	0	0	0	0	0	152
Long Island U.	347	192	72	148	0	0	11	137	0	0	0	0
Troy U.	348	ne	55	147	0	0	147	0	0	0	0	0
Baylor U.	349	70	167	146	0	0	36	85	0	25	0	0
Xavier U. Louisiana	350	153	52	139	0	2	32	105	0	0	0	0
California State Polytechnic U., Pomona	351	424	214	129	0	0	0	0	0	0	0	129
Colby C.	352	35	22	127	0	0	0	127	0	0	0	0
U. South Dakota	353	55	135	123	0	0	0	0	0	88	0	35
West Chester U. Pennsylvania	354	11	149	122	57	0	65	0	0	0	0	0
Kean U.	355	ne	253	120	0	0	54	56	0	0	0	10
CUNY, City C.	356	90	68	118	0	0	86	0	0	0	32	0
Ohio U.	357	349	77	116	0	30	0	0	0	0	7	79

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021									
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other	
SUNY, C. of Environmental Science and Forestry	357	111	91	116	0	0	0	0	0	0	116	0	0
Purdue U., Northwest	359	980	27	115	0	0	0	0	0	0	0	91	24
Illinois Institute of Technology	360	74	92	113	0	0	113	0	0	0	0	0	0
U. Hawaii, Maui C.	361	ne	ne	110	0	0	110	0	0	0	0	0	0
U. New Orleans	362	81	127	108	57	0	0	35	0	0	0	0	16
Barnard C.	363	170	120	105	0	0	105	0	0	0	0	0	0
South Dakota State U.	364	153	144	102	0	25	0	5	0	0	0	0	72
U. Detroit Mercy	364	28	25	102	0	0	81	0	21	0	0	0	0
Southern Connecticut State U.	366	85	141	100	0	0	40	5	0	49	0	0	6
California State U., Maritime Academy	367	0	0	98	0	0	0	0	0	0	0	0	98
U. Tennessee, Chattanooga	368	0	0	91	0	0	45	0	0	0	0	0	46
SUNY, Geneseo	369	22	0	86	0	0	0	0	0	0	0	0	86
Loma Linda U.	370	106	i 96	i 85	85	0	0	0	0	0	0	0	0
Swarthmore C.	370	172	30	85	0	0	32	5	0	0	0	0	48
Northland C.	372	ne	ne	82	i 38	i 0	i 42	i 2	i 0	i 0	i 0	i 0	i 0
Murray State U.	373	32	18	80	80	0	0	0	0	0	0	0	0
Wake Forest U.	374	263	116	78	0	0	48	30	0	0	0	0	0
Black Hills State U.	375	675	53	76	0	0	76	0	0	0	0	0	0
Georgia Southern U.	376	15	31	75	0	0	75	0	0	0	0	0	0
Indiana U., South Bend	376	ne	ne	75	0	0	0	0	0	0	0	0	75
Clark Atlanta U.	378	139	111	73	0	0	0	0	0	26	0	0	47
Western Carolina U.	379	86	92	72	0	0	0	0	0	72	0	0	0
Indiana U. Pennsylvania	380	37	88	71	0	9	0	62	0	0	0	0	0
U. Akron	380	169	65	71	0	0	58	0	0	0	13	0	0
Abilene Christian U.	382	ne	ne	70	0	0	0	70	0	0	0	0	0
U. Massachusetts, central office	382	155	78	70	0	0	70	0	0	0	0	0	0
Bowdoin C.	384	13	0	69	0	0	69	0	0	0	0	0	0
Northern Illinois U.	385	1,905	2,005	66	0	0	21	0	0	0	0	0	45
U. North Carolina, general administration	385	0	10	66	18	0	22	0	0	0	0	0	26

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021								
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other
Occidental C.	387	0	0	64	0	0	64	0	0	0	0	0
Rutgers, State U. New Jersey, Camden	387	0	0	64	0	0	0	0	0	0	0	64
C. New Jersey	389	ne	63	63	0	0	2	61	0	0	0	0
U. North Georgia	390	415	359	62	0	0	62	0	0	0	0	0
DePaul U.	391	133	132	52	0	0	52	0	0	0	0	0
Middle Tennessee State U.	391	901	1,166	52	39	0	0	13	0	0	0	0
U.S. Military Academy	393	4,096	338	51	0	0	0	50	1	0	0	0
East Tennessee State U.	394	0	0	48	0	0	48	0	0	0	0	0
U. Wisconsin-Oshkosh	395	45 i	44 i	44	44	0	0	0	0	0	0	0
U. Minnesota, Duluth	396	61	61	43	0	0	4	0	0	0	0	39
Western Kentucky U.	397	263	288	42	0	0	29	13	0	0	0	0
U. Michigan, Flint	398	0	56	41	0	0	30	11	0	0	0	0
U. Nebraska, Kearney	398	13	0	41	0	41	0	0	0	0	0	0
California State U., Channel Islands	400	0	40	40	0	0	0	0	0	0	0	40
Texas A&M International U.	400	33	45	40	0	0	35	0	0	0	5	0
Davidson C.	402	78	157	39	0	0	0	0	0	0	0	39
SUNY, C. Plattsburgh	403	55	20	38	0	0	38	0	0	0	0	0
Florida Polytechnic U.	404	0	0	35	35	0	0	0	0	0	0	0
Grinnell C.	404	38	27	35	0	0	35	0	0	0	0	0
Hope C.	404	12	29	35	0	0	15	15	0	0	0	5
Texas Tech U., Health Sciences Center	407	83	66	34	0	0	15	0	0	0	0	19
CUNY, York C.	408	34	33	33	0	0	0	0	0	0	0	33
Lawrence Technological U.	409	10	109	32	0	0	0	0	0	0	0	32
U. Wisconsin-Platteville	409	45 i	44 i	32 i	1 i	0 i	30 i	1 i	0 i	0 i	0 i	0 i
U. Wisconsin-Green Bay	411	29 i	31 i	31 i	1 i	1 i	17 i	1 i	0 i	3 i	0 i	8 i
Thomas Jefferson U.	412	0	23	29	0	0	0	0	0	0	0	29
Hamilton C.	413	102	83	27	0	0	0	27	0	0	0	0
Des Moines U.	414	40	24	26 i	0 i	0 i	26 i	0 i	0 i	0 i	0 i	0 i
Calvin U.	415	25	24 i	25 i	0 i	0 i	0 i	25 i	0 i	0 i	0 i	0 i

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**

(Dollars in thousands)

Institution	Rank	2019	2020	2021											
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other			
Keck Graduate Institute	416	19	20	23	23	0	0	0	0	0	0	0	0		
Purdue U., Fort Wayne	417	68	28	22	0	0	0	22	0	0	0	0	0		
U. Minnesota, Morris	417	0	0	22	0	0	0	0	0	0	0	0	22		
Lipscomb U.	419	ne	18	19	0	0	19	0	0	0	0	0	0		
Pennsylvania State U., Harrisburg	419	0	14	19	0	0	19	0	0	0	0	0	0		
St. John's U., New York	419	0	0	19	0	0	19	0	0	0	0	0	0		
Cold Spring Harbor Laboratory	422	0	147	18	0	0	0	18	0	0	0	0	0		
Morehead State U.	422	180	17	18	0	0	18	0	0	0	0	0	0		
New York Institute of Technology	422	63	57	18	0	0	18	0	0	0	0	0	0		
U. Northern Iowa	425	0	89	17	0	0	0	10	0	0	0	0	7		
California State U., Fullerton	426	223	19	16	0	0	9	6	0	0	0	1	0		
Fort Lewis C.	426	0	0	16	0	0	16	0	0	0	0	0	0		
Towson U.	428	3	11	15	0	0	0	0	0	0	0	0	15		
U. Illinois, Springfield	428	14	5	15	0	0	0	15	0	0	0	0	0		
Fisk U.	430	142	0	14	0	0	14	0	0	0	0	0	0		
Mercyhurst U.	431	12	12	13	1	0	6	1	0	3	0	0	2		
Niagara U.	431	241	6	13	0	0	0	0	0	0	13	0	0		
U. Richmond	433	30	40	12	0	12	0	0	0	0	0	0	0		
Biola U.	434	10	10	11	1	0	5	1	0	2	0	0	2		
Augustana U.	435	0	ne	10	0	10	0	0	0	0	0	0	0		
Christopher Newport U.	435	0	18	10	0	0	0	0	0	0	0	0	10		
Gallaudet U.	435	1,085	942	10	0	10	0	0	0	0	0	0	0		
CUNY, Baruch C.	438	0	0	9	0	0	0	0	0	0	0	0	9		
Lafayette C.	438	72	10	9	0	0	0	9	0	0	0	0	0		
Grand Valley State U.	440	0	48	8	0	0	0	0	0	0	0	0	8		
Azusa Pacific U.	441	12	0	6	0	0	6	0	0	0	0	0	0		
Carleton C.	441	0	0	6	0	0	0	6	0	0	0	0	0		
St. Olaf C.	441	15	3	6	0	0	0	1	2	0	3	0	0		
West Virginia School of Osteopathic Medicine	444	ne	5	5	0	0	5	0	0	0	0	0	0		
C. of Saint Benedict	445	0	0	4	2	0	1	0	0	0	1	0	0		
Coastal Carolina U.	445	0	0	4	0	0	4	0	0	0	0	0	0		

**TABLE 59**  
**Federally financed higher education R&D expenditures in non-science and engineering fields, ranked by all FY 2021 non-S&E fields: FYs 2019–21 and by subfield for FY 2021**  
(Dollars in thousands)

Institution	Rank	2019	2020	2021									
				All non-S&E fields	Business management and business administration	Communication and communications technologies	Education	Humanities	Law	Social work	Visual and performing arts	Other	
U. South Carolina, Aiken	445	316	0	4	0	0	0	0	0	0	0	0	4
Eastern Washington U.	448	53	61	3	0	0	3	0	0	0	0	0	0
Missouri State U.	448	169	78	3	0	0	0	3	0	0	0	0	0
Alaska Pacific U.	450	147	27	2	0	0	2	0	0	0	0	0	0
Fort Hays State U.	450	4	3	2	0	0	2	0	0	0	0	0	0
Touro U.	450	0	12	2	0	0	0	0	0	0	0	0	2
Northern Kentucky U.	453	93	47	1	0	0	0	0	0	1	0	0	0
All other surveyed institutions	-	17,488	12,544	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.

S&E = science and engineering.

<sup>a</sup> The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

<sup>b</sup> 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.

<sup>c</sup> The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.

<sup>d</sup> The University of Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Due to a reorganization within the University of Tennessee system, the Institute of Agriculture now falls under the leadership of the University of Tennessee, Knoxville chancellor. Prior to FY 2020, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.

<sup>e</sup> Johns Hopkins University includes the Applied Physics Laboratory, with zero in federally financed non-S&E R&D expenditures in FY 2021.

**Note(s):**

Institutions reporting zero expenditures in ranked total for FY 2021 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 6.

**Source(s):**

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