

TABLE 82

## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
United States	156,858	4,724	10,061	52,908	5,121	19,748	5,203	10,420	5,000	9,992	33,681
Public	79,656	2,824	7,517	27,167	2,168	8,805	1,638	4,558	2,330	5,429	17,220
Private	77,202	1,900	2,544	25,741	2,953	10,943	3,565	5,862	2,670	4,563	16,461
Alabama	3,330	5	251	1,188	100	19	16	20	0	1,012	719
Public	2,294	5	251	700	11	18	16	20	0	955	318
Auburn U., Montgomery	325	1	0	79	6	0	0	0	0	0	239
Troy U.	1,507	4	251	159	5	18	16	20	0	955	79
U. West Alabama	462	0	0	462	0	0	0	0	0	0	0
Private	1,036	0	0	488	89	1	0	0	0	57	401
Alabama C., Osteopathic Medicine	370	0	0	370	0	0	0	0	0	0	0
Oakwood U.	666	0	0	118	89	1	0	0	0	57	401
Arkansas	2,774	6	12	1,003	192	385	565	0	47	381	183
Public	1,290	6	2	259	9	220	565	0	3	79	147
Arkansas Tech U.	961	0	0	218	0	112	559	0	3	62	7
Southern Arkansas U.	329	6	2	41	9	108	6	0	0	17	140
Private	1,484	0	10	744	183	165	0	0	44	302	36
Hendrix C.	902	0	0	506	8	165	0	0	0	221	2
Ouachita Baptist U.	363	i 0	i 10	i 238	i 0	i 0	i 0	i 0	i 0	i 81	i 34
Philander Smith C.	219	0	0	0	175	0	0	0	44	0	0
California	18,611	80	1,505	2,238	652	1,586	651	2,341	374	1,154	8,030
Public	11,330	64	1,491	649	624	1,165	167	1,181	341	482	5,166
California State U., East Bay	8,640	51	688	383	606	912	167	749	305	476	4,303
Sonoma State U.	1,656	13	803	266	18	253	0	135	36	6	126
U. California, Hastings C. of Law	1,034	i 0	i 0	i 0	i 0	i 0	i 0	i 297	i 0	i 0	i 737
Private	7,281	16	14	1,589	28	421	484	1,160	33	672	2,864
Claremont School of Theology	431	0	0	0	0	0	0	0	0	0	431
Dominican U. California	828	i 0	i 0	i 828	i 0	i 0	i 0	i 0	i 0	i 0	i 0
Fielding Graduate U.	852	0	0	0	0	0	0	852	0	0	0
High Tech High Graduate School of Ed.	2,223	0	0	0	0	0	0	0	0	0	2,223
International Technological U.	660	i 0	i 0	i 0	i 0	i 0	i 0	i 0	i 0	i 660	i 0
Life Chiropractic C.-West	350	0	0	350	0	0	0	0	0	0	0
Palo Alto U.	290	0	0	0	0	0	290	0	0	0	0
Pitzer C.	468	0	14	64	17	0	172	95	0	0	106
Point Loma Nazarene U.	265	1	0	55	0	30	0	167	0	0	12

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Southern California U. of Health Sciences	150	0	0	150	0	0	0	0	0	0	0
Westmont C.	376	0	0	0	0	342	22	0	0	12	0
Whittier C.	388	15	0	142	11	49	0	46	33	0	92
Colorado	2,112	357	93	860	0	126	0	51	200	6	419
Public	1,406	8	93	668	0	77	0	51	84	6	419
Colorado Mesa U.	372	8	44	228	0	0	0	51	0	6	35
Metropolitan State U. of Denver	574	0	22	15	0	69	0	0	84	0	384
Western State Colorado U.	460	0	27	425	0	8	0	0	0	0	0
Private	706	349	0	192	0	49	0	0	116	0	0
Regis U.	706	349	0	192	0	49	0	0	116	0	0
Connecticut	3,606	172	154	1,190	49	390	55	210	330	473	583
Public	1,421	136	154	617	3	228	5	98	70	37	73
U.S. Coast Guard Academy	708	136	154	7	2	218	0	81	70	37	3
Western Connecticut State U.	713	0	0	610	1	10	5	17	0	0	70
Private	2,185	36	0	573	46	162	50	112	260	436	510
Quinnipiac U.	980	36	0	374	33	162	35	83	20	50	187
Sacred Heart U.	563	0	0	111	0	0	0	0	240	0	212
U. Bridgeport	642	0	0	88	13	0	15	29	0	386	111
Florida	4,366	97	654	1,502	192	339	54	484	32	4	1,008
Public	962	19	0	557	56	71	0	136	0	0	123
New C. Florida	962	19	0	557	56	71	0	136	0	0	123
Private	3,404	78	654	945	136	268	54	348	32	4	885
Barry U.	295	0	0	271	0	0	0	0	0	0	24
Eckerd C.	435	0	336	35	46	0	0	0	0	0	18
Jacksonville U.	365	0	142	169	50	0	0	0	0	4	0
Keiser U.	450	0	0	0	0	0	0	0	0	0	450
Rollins C.	626	7	0	130	6	160	46	51	32	0	194
St. Thomas U., Miami Gardens	268	66	0	100	30	22	0	0	0	0	50
Stetson U.	476	0	176	3	0	0	0	246	0	0	51
U. Tampa	489	5	0	237	4	86	8	51	0	0	98
Georgia	3,659	192	202	1,160	309	334	89	573	0	0	800
Public	2,670	188	202	826	264	248	64	370	0	0	508
Clayton State U.	330	0	0	0	10	0	0	0	0	0	320
Georgia C. and State U.	548	0	0	392	0	0	7	138	0	0	11

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## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Georgia Gwinnett C.	610	129	0	128	115	210	0	9	0	0	19
Middle Georgia State U.	250	19	0	58	0	0	0	173	0	0	0
U. West Georgia	508	0	22	189	134	28	57	45	0	0	33
Valdosta State U.	424	40	180	59	5	10	0	5	0	0	125
Private	989	4	0	334	45	86	25	203	0	0	292
Agnes Scott C.	229	0	0	12	0	83	17	11	0	0	106
Berry C.	553	4	0	115	45	3	8	192	0	0	186
Life U.	207	0	0	207	0	0	0	0	0	0	0
Hawaii	833	369	0	459	0	0	0	0	0	5	0
Public	833	369	0	459	0	0	0	0	0	5	0
U. Hawaii, Maui C.	833	369	0	459	0	0	0	0	0	5	0
Idaho	1,046	62	0	458	0	53	0	291	0	182	0
Public	599	0	0	301	0	0	0	291	0	7	0
Lewis-Clark State C.	599	0	0	301	0	0	0	291	0	7	0
Private	447	62	0	157	0	53	0	0	0	175	0
Northwest Nazarene U.	447	62	0	157	0	53	0	0	0	175	0
Illinois	3,199	10	18	1,878	18	511	34	227	0	19	484
Public	1,435	0	9	1,200	12	156	5	18	0	0	35
Eastern Illinois U.	700	0	9	465	12	156	5	18	0	0	35
Governors State U.	735	0	0	735	0	0	0	0	0	0	0
Private	1,764	10	9	678	6	355	29	209	0	19	449
Augustana C., Rock Island	237	0	9	69	0	71	2	0	0	0	86
Benedictine U.	175	0	0	0	0	175	0	0	0	0	0
Elmhurst C.	224	0	0	4	0	55	0	165	0	0	0
Illinois C. of Optometry	326	0	0	326	0	0	0	0	0	0	0
Lake Forest C.	452	5	0	246	6	36	10	34	0	19	96
North Central C.	350	5	0	33	0	18	17	10	0	0	267
Indiana	7,306	111	62	2,024	416	1,337	386	267	572	359	1,772
Public	2,789	3	32	467	48	287	81	178	572	75	1,046
Indiana U., Kokomo	393	0	0	4	0	18	20	26	30	0	295
Indiana U., Northwest	509	0	3	133	5	19	13	64	114	0	158
Indiana U., South Bend	968	1	6	143	2	167	43	34	375	0	197
Indiana U., Southeast	557	0	0	29	0	67	0	47	53	0	361
U. Southern Indiana	362	2	23	158	41	16	5	7	0	75	35

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## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Private	4,517	108	30	1,557	368	1,050	305	89	0	284	726
Butler U.	680	4	0	240	4	144	207	13	0	0	68
DePauw U.	308	18	18	97	12	103	15	16	0	0	29
Earlham C.	456	2	0	118	0	29	3	6	0	0	298
Indiana Wesleyan U.	706	0	0	267	0	210	1	0	0	0	228
Manchester U.	541	3	0	446	1	1	24	8	0	1	57
Rose-Hulman Institute of Technology	168	0	0	0	4	0	0	0	0	164	0
Taylor U.	225	81	0	43	11	21	4	17	0	13	35
U. Evansville	350	0	0	63	180	63	4	17	0	12	11
Valparaiso U.	763	0	12	254	151	244	0	8	0	94	0
Wabash C.	320	0	0	29	5	235	47	4	0	0	0
Iowa	2,487	23	114	581	676	721	37	92	0	59	184
Private	2,487	23	114	581	676	721	37	92	0	59	184
Coe C.	699	0	0	19	5	579	0	23	0	0	73
Cornell C.	417	0	84	213	3	51	17	23	0	6	20
Dordt C.	920	8	0	161	663	12	5	0	0	53	18
Luther C.	451	15	30	188	5	79	15	46	0	0	73
Kansas	777	101	33	56	5	484	0	65	33	0	0
Public	777	101	33	56	5	484	0	65	33	0	0
Emporia State U.	777	101	33	56	5	484	0	65	33	0	0
Kentucky	506	0	13	132	10	51	2	102	127	0	69
Private	506	0	13	132	10	51	2	102	127	0	69
Centre C.	506	0	13	132	10	51	2	102	127	0	69
Louisiana	2,719	599	0	1,028	50	264	27	321	4	267	159
Public	2,276	599	0	904	50	264	27	3	3	267	159
Louisiana State U., Shreveport	572	339	0	33	0	179	0	0	0	0	21
McNeese State U.	370	0	0	81	0	0	27	0	0	124	138
Nicholls State U.	738	0	0	647	0	85	0	3	3	0	0
Southern U., New Orleans	596	260	0	143	50	0	0	0	0	143	0
Private	443	0	0	124	0	0	0	318	1	0	0
Loyola U., New Orleans	443	0	0	124	0	0	0	318	1	0	0
Maine	526	15	44	218	12	59	14	34	11	0	119
Public	526	15	44	218	12	59	14	34	11	0	119
U. Maine Farmington	526	15	44	218	12	59	14	34	11	0	119

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Maryland	2,219	54	34	483	30	262	48	300	179	58	771
Public	612	12	32	161	0	74	32	248	0	47	6
Coppin State U.	243	12	14	158	0	0	6	0	0	47	6
St. Mary's C. Maryland	369	0	18	3	0	74	26	248	0	0	0
Private	1,607	42	2	322	30	188	16	52	179	11	765
Goucher C.	450	0	2	145	0	155	0	16	0	0	132
Loyola U., Maryland	663	42	0	177	30	33	16	36	179	11	139
Maryland Institute C. of Art	494	0	0	0	0	0	0	0	0	0	494
Massachusetts	9,933	534	325	4,147	44	694	975	622	355	338	1,899
Public	1,871	2	18	1,566	0	24	53	158	0	0	50
Bridgewater State U.	331	2	18	26	0	24	53	158	0	0	50
Framingham State U.	1,540	0	0	1,540	0	0	0	0	0	0	0
Private	8,062	532	307	2,581	44	670	922	464	355	338	1,849
Bentley U.	465	26	15	387	0	0	0	37	0	0	0
C. of the Holy Cross	477	0	0	174	0	204	99	0	0	0	0
Hampshire C.	225	135	30	30	0	0	0	3	0	3	24
Hult International Business School	959	i 47	i 0	i 484	i 42	i 0	i 44	i 106	i 0	i 0	i 236
Lasell C.	163	0	0	0	0	0	0	163	0	0	0
MCPHS U.	606	0	0	508	0	0	98	0	0	0	0
Merrimack C.	1,097	0	0	693	0	0	0	0	0	243	161
Simmons U.	472	242	0	101	1	20	6	39	7	0	56
Stonehill C.	1,019	0	262	0	0	0	0	0	348	0	409
Suffolk U.	2,056	0	0	99	1	336	671	116	0	0	833
Western New England U.	283	82	0	105	0	0	4	0	0	92	0
Wheaton C., Norton	240	0	0	0	0	110	0	0	0	0	130
Michigan	1,831	2	32	1,089	43	322	121	52	0	77	93
Public	1,196	0	32	1,005	43	17	0	22	0	77	0
Ferris State U.	366	0	0	306	43	17	0	0	0	0	0
Lake Superior State U.	830	0	32	699	0	0	0	22	0	77	0
Private	635	2	0	84	0	305	121	30	0	0	93
Kalamazoo C.	635	i 2	i 0	i 84	i 0	i 305	i 121	i 30	i 0	i 0	i 93
Minnesota	3,588	5	144	1,141	226	1,398	25	187	30	36	396
Public	1,760	5	37	779	224	331	17	7	30	36	294
Metropolitan State U.	150	i 5	i 0	i 108	i 2	i 12	i 3	i 7	i 0	i 0	i 13

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## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Minnesota State U., Moorhead	209	0	37	13	3	0	0	0	0	0	156
U. Minnesota, Crookston	282	0	0	2	218	0	0	0	0	0	62
U. Minnesota, Rochester	639	0	0	578	0	0	0	0	0	0	61
Winona State U.	480	0	0	78	1	319	14	0	30	36	2
Private	1,828	0	107	362	2	1,067	8	180	0	0	102
Gustavus Adolphus C.	808	0	107	48	2	457	8	134	0	0	52
Northwestern Health Sciences U.	150 i	0 i	0 i	101 i	0 i	0 i	0 i	0 i	0 i	0 i	49 i
Saint Mary's U. Minnesota	603	0	0	0	0	603	0	0	0	0	0
St. Catherine U.	267	0	0	213	0	7	0	46	0	0	1
Mississippi	1,433	0	217	110	11	52	11	12	346	651	23
Public	1,190	0	199	1	0	2	1	0	346	641	0
Delta State U.	204	0	199	1	0	0	1	0	3	0	0
Mississippi Valley State U.	986	0	0	0	0	2	0	0	343	641	0
Private	243	0	18	109	11	50	10	12	0	10	23
Millsaps C.	243	0 i	18 i	109 i	11 i	50 i	10 i	12 i	0 i	10 i	23 i
Missouri	1,851	29	0	1,158	56	105	59	12	8	22	402
Public	1,440	29	0	749	56	105	57	12	8	22	402
Missouri Western State U.	176	3	0	111	4	4	47	4	0	3	0
Northwest Missouri State U.	192	25	0	0	51	0	0	0	0	0	116
Southeast Missouri State U.	372	0	0	339	0	6	0	0	8	19	0
Truman State U.	285	1	0	132	1	95	10	8	0	0	38
U. Central Missouri	415	0	0	167	0	0	0	0	0	0	248
Private	411	0	0	409	0	0	2	0	0	0	0
Kansas City U. of Medicine and Biosciences	245	0	0	243	0	0	2	0	0	0	0
Logan U.	166	0	0	166	0	0	0	0	0	0	0
Montana	781	0	0	464	0	0	0	0	0	206	111
Public	781	0	0	464	0	0	0	0	0	206	111
Montana State U., Billings	545	0	0	436	0	0	0	0	0	0	109
Montana State U., Northern	236	0	0	28	0	0	0	0	0	206	2
Nevada	933	0	56	671	0	0	0	2	0	0	204
Public	933	0	56	671	0	0	0	2	0	0	204
C. Southern Nevada	232	0	0	220	0	0	0	2	0	0	10
Nevada State C.	701	0	56	451	0	0	0	0	0	0	194

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## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

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New Hampshire	880	0	620	207	0	0	0	20	0	0	33
Public	880	0	620	207	0	0	0	20	0	0	33
Plymouth State U.	880	0	620	207	0	0	0	20	0	0	33
New Jersey	4,515	318	0	2,051	26	582	581	323	146	161	327
Public	3,724	186	0	2,051	26	582	62	323	6	161	327
C. New Jersey	1,199	0	0	483	0	385	5	23	4	159	140
Kean U.	2,174	89	0	1,563	25	189	53	93	0	0	162
Ramapo C. New Jersey	351	97	0	5	1	8	4	207	2	2	25
Private	791	132	0	0	0	0	519	0	140	0	0
Fairleigh Dickinson U.	791	132	0	0	0	0	519	0	140	0	0
New Mexico	2,206	33	523	401	0	723	0	3	32	491	0
Public	2,206	33	523	401	0	723	0	3	32	491	0
Eastern New Mexico U., Portales	292	0	0	286	0	0	0	3	0	3	0
New Mexico Highlands U.	1,333	19	476	115	0	723	0	0	0	0	0
Northern New Mexico C.	581	14	47	0	0	0	0	0	32	488	0
New York	10,655	412	192	3,264	304	2,206	183	782	413	406	2,493
Public	2,513	0	148	524	96	503	9	51	8	24	1,150
SUNY, C. Cortland	527	0	10	84	0	239	0	6	0	0	188
SUNY, Delhi	634	0	0	171	0	0	0	0	0	0	463
SUNY, New Paltz	494	0	23	20	96	101	4	35	0	24	191
SUNY, Oneonta	623	0	114	166	0	17	4	10	8	0	304
SUNY, Potsdam	235	0	1	83	0	146	1	0	0	0	4
Private	8,142	412	44	2,740	208	1,703	174	731	405	382	1,343
Adelphi U.	359	5	0	78	0	245	13	3	0	0	15
Bard C.	235	47	0	19	11	61	38	15	44	0	0
Cooper Union for the Advancement of Science and Art	710	0	14	316	0	0	0	0	0	380	0
D'Youville C.	383	0	0	56	0	26	39	244	0	0	18
Ithaca C.	1,678	28	0	620	72	632	0	280	0	0	46
Le Moyne C.	163	5	0	3	4	7	0	0	24	0	120
Marist C.	320	206	0	55	4	15	0	0	14	0	26
New York Chiropractic C.	334	0	0	334	0	0	0	0	0	0	0
New York Law School	173	0	0	0	0	0	0	0	0	0	173
Sarah Lawrence C.	532	3	0	271	16	113	0	108	0	0	21

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## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

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Siena C.	944	112	0	142	23	522	23	40	20	0	62
St. Bonaventure U.	1,049	1	0	154	0	24	0	0	226	0	644
St. Lawrence U.	194	0	28	64	31	13	17	24	0	0	17
Touro C.	470	0	0	441	0	0	0	0	0	0	29
Utica C.	598	5	2	187	47	45	44	17	77	2	172
North Carolina	1,809	141	301	0	337	620	0	0	20	0	390
Public	1,809	141	301	0	337	620	0	0	20	0	390
Elizabeth City State U.	1,189	141	301	0	337	0	0	0	20	0	390
U. North Carolina, Pembroke	620	0	0	0	0	620	0	0	0	0	0
North Dakota	922	0	0	843	0	30	0	49	0	0	0
Public	543	0	0	543	0	0	0	0	0	0	0
Mayville State U.	292	0	0	292	0	0	0	0	0	0	0
Minot State U.	251	0	0	251	0	0	0	0	0	0	0
Private	379	0	0	300	0	30	0	49	0	0	0
United Tribes Technical C.	379	0	0	300	0	30	0	49	0	0	0
Ohio	2,364	18	63	268	54	532	153	368	0	90	818
Private	2,364	18	63	268	54	532	153	368	0	90	818
Baldwin Wallace U.	221	0	0	10	0	0	0	72	0	0	139
Denison U.	577	18	6	20	2	269	12	23	0	0	227
John Carroll U.	658	0	0	67	0	0	0	185	0	0	406
Ohio Northern U.	316	0	35	0	0	20	125	0	0	90	46
Ohio Wesleyan U.	325	0	0	171	52	86	16	0	0	0	0
Wittenberg U.	267	0	22	0	0	157	0	88	0	0	0
Oklahoma	1,330	173	134	429	48	205	13	32	139	90	67
Public	1,330	173	134	429	48	205	13	32	139	90	67
East Central U.	394 i	26 i	134 i	59 i	48 i	62 i	1 i	28 i	36 i	0 i	0 i
Northeastern State U.	432	83	0	308	0	26	0	4	0	0	11
Southwestern Oklahoma State U.	504	64	0	62	0	117	12	0	103	90	56
Oregon	1,360	0	325	43	10	487	5	284	11	0	195
Public	896	0	325	3	0	297	0	240	1	0	30
Eastern Oregon U.	472	0	301	3	0	157	0	11	0	0	0
Southern Oregon U.	424	0	24	0	0	140	0	229	1	0	30
Private	464	0	0	40	10	190	5	44	10	0	165
Linfield C.	464	0	0	40	10	190	5	44	10	0	165



TABLE 82

## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Pennsylvania	13,435	304	861	5,396	968	1,046	400	588	178	1,444	2,250
Public	5,088	270	615	1,587	72	760	221	203	80	647	633
Bloomsburg U. Pennsylvania	734	29	27	461	21	81	4	38	0	0	73
East Stroudsburg U. Pennsylvania	677	0	0	388	2	21	213	0	0	0	53
Kutztown U. Pennsylvania	464	197	0	30	18	156	0	7	0	0	56
Millersville U. Pennsylvania	782	0	241	166	0	168	4	125	72	0	6
Pennsylvania State U., Altoona	680	23	0	193	0	134	0	30	0	236	64
Pennsylvania State U., Beaver	271	0	0	15	0	0	0	0	0	0	256
Pennsylvania State U., Berks	273	20	0	44	0	154	0	0	0	55	0
Pennsylvania State U., Brandywine	228	0	14	162	0	35	0	0	0	9	8
Pennsylvania State U., Great Valley School of Graduate Professional Studies	419	0	0	0	0	0	0	0	0	347	72
Shippensburg U. Pennsylvania	347	0	306	10	31	0	0	0	0	0	0
Slippery Rock U. Pennsylvania	213	1	27	118	0	11	0	3	8	0	45
Private	8,347	34	246	3,809	896	286	179	385	98	797	1,617
Arcadia U.	522	20	0	294	8	21	0	0	0	0	179
Bryn Athyn C.	305	1	0	131	0	0	0	0	0	3	170
Gannon U.	555	6	0	59	0	0	0	9	50	427	4
Juniata C.	560	0	38	493	0	29	0	0	0	0	0
La Salle U.	1,135	0	0	45	0	0	129	36	0	0	925
Lake Erie C. of Osteopathic Medicine	565	0	0	565	0	0	0	0	0	0	0
Messiah C.	165	0	0	43	5	16	4	4	0	25	68
Moravian C.	273	0	0	113	42	19	12	44	0	0	43
Muhlenberg C.	539	0	0	303	64	19	6	142	0	0	5
Saint Francis U.	829	7	139	0	596	0	0	0	48	39	0
Susquehanna U.	368	0	0	320	8	4	1	8	0	0	27
U. Scranton	450	0	0	263	11	21	18	23	0	0	114
Ursinus C.	768	0	0	425	154	104	0	61	0	0	24
Widener U., Chester	764	0	55	464	0	0	0	38	0	206	1
Wilkes U.	549	0	14	291	8	53	9	20	0	97	57
Rhode Island	848	4	148	494	11	72	2	67	0	0	50
Private	848	4	148	494	11	72	2	67	0	0	50
Bryant U.	353	4	148	94	11	0	2	44	0	0	50
Salve Regina U.	495	0	0	400	0	72	0	23	0	0	0

TABLE 82

## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
South Carolina	3,022	41	0	862	24	428	87	15	12	310	1,243
Public	2,271	41	0	463	24	147	87	15	0	310	1,184
Citadel Military C. South Carolina	1,120	21	0	51	24	68	19	15	0	170	752
Francis Marion U.	362	0	0	205	0	79	68	0	0	10	0
U. South Carolina Upstate	257	20	0	0	0	0	0	0	0	130	107
U. South Carolina, Beaufort	532	0	0	207	0	0	0	0	0	0	325
Private	751	0	0	399	0	281	0	0	12	0	59
Coker C.	434	0	0	399	0	23	0	0	12	0	0
Converse C.	317	0	0	0	0	258	0	0	0	0	59
South Dakota	1,095	0	570	406	0	0	0	0	6	113	0
Public	908	0	570	219	0	0	0	0	6	113	0
Northern State U.	225	0	0	219	0	0	0	0	6	0	0
Oglala Lakota C.	683	0	570	0	0	0	0	0	0	113	0
Private	187	0	0	187	0	0	0	0	0	0	0
Dakota Wesleyan U.	187	0	0	187	0	0	0	0	0	0	0
Tennessee	1,442	0	187	513	47	30	71	67	361	30	136
Public	363	0	0	88	35	0	0	0	210	30	0
U. Tennessee, Martin	363	0	0	88	35	0	0	0	210	30	0
Private	1,079	0	187	425	12	30	71	67	151	0	136
Sewanee: U. of the South	867	0	187	213	12	30	71	67	151	0	136
Southern C. of Optometry	212	0	0	212	0	0	0	0	0	0	0
Texas	7,835	43	208	2,596	13	1,155	65	317	291	445	2,702
Public	4,830	30	208	1,641	5	94	25	244	182	179	2,222
Angelo State U.	815	0	72	618	0	38	18	2	0	21	46
Midwestern State U.	1,100	14	34	726	5	26	7	20	0	71	197
Texas A&M U.-San Antonio	308	16	102	35	0	6	0	28	90	13	18
U. Houston system administration	965	0	0	0	0	0	0	0	0	0	965
U. Texas of the Permian Basin	1,642	0	0	262	0	24	0	194	92	74	996
Private	3,005	13	0	955	8	1,061	40	73	109	266	480
Abilene Christian U.	979	7	0	20	0	840	19	17	0	0	76
Austin C.	376	0	0	35	0	73	0	18	77	0	173
LeTourneau U.	239	0	0	7	0	23	0	0	0	202	7
Southwestern U.	334	6	0	81	8	125	21	38	0	0	55
St. Mary's U., San Antonio	865	0	0	600	0	0	0	0	32	64	169

TABLE 82

## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Texas Chiropractic C.	212 i	0 i	0 i	212 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Utah	2,044	18	795	168	56	169	53	9	0	193	583
Public	2,044	18	795	168	56	169	53	9	0	193	583
Southern Utah U.	812	0	725	52	0	26	0	0	0	9	0
Utah Valley U.	151	0	0	31	0	67	53	0	0	0	0
Weber State U.	1,081	18	70	85	56	76	0	9	0	184	583
Vermont	992	1	277	45	0	17	0	20	0	23	609
Private	992	1	277	45	0	17	0	20	0	23	609
Norwich U.	992	1	277	45	0	17	0	20	0	23	609
Virginia	3,419	151	207	845	71	551	66	417	57	57	997
Public	1,959	132	43	467	45	306	46	207	57	57	599
Longwood U.	353	0	0	62	0	0	0	55	0	0	236
Radford U.	879	90	43	322	18	166	26	127	57	0	30
Virginia Military Institute	727	42	0	83	27	140	20	25	0	57	333
Private	1,460	19	164	378	26	245	20	210	0	0	398
Eastern Mennonite U.	209	0	0	209	0	0	0	0	0	0	0
Ferrum C.	184	0	69	0	0	85	0	0	0	0	30
Roanoke C.	826	19	23	119	13	134	20	131	0	0	367
Washington and Lee U.	241	0	72	50	13	26	0	79	0	0	1
Washington	4,498	119	256	2,079	37	606	229	282	55	112	723
Public	563	114	211	238	0	0	0	0	0	0	0
Evergreen State C.	563	114	211	238	0	0	0	0	0	0	0
Private	3,935	5	45	1,841	37	606	229	282	55	112	723
Bastyr U.	389	0	0	389	0	0	0	0	0	0	0
Gonzaga U.	187	0	0	60	5	50	0	0	0	8	64
Pacific Lutheran U.	342	0	30	15	19	110	62	0	0	0	106
Pacific Northwest U. of Health Sciences	833	0	0	833	0	0	0	0	0	0	0
Seattle Pacific U.	724	0	0	24	0	22	159	0	0	0	519
U. Puget Sound	1,039	0	15	428	9	302	8	203	55	0	19
Whitworth U.	421	5	0	92	4	122	0	79	0	104	15
West Virginia	4,068	0	0	3,346	0	0	0	0	275	0	447
Public	3,454	0	0	3,346	0	0	0	0	0	0	108
Bluefield State C.	595	0	0	487	0	0	0	0	0	0	108
West Liberty U.	908	0	0	908	0	0	0	0	0	0	0

TABLE 82

## Higher education R&amp;D expenditures at institutions in the short form survey population, by state, institutional control, institution, and R&amp;D field: FY 2019

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
West Virginia School of Osteopathic Medicine	1,951	0	0	1,951	0	0	0	0	0	0	0
Private	614	0	0	0	0	0	0	0	275	0	339
Future Generations U.	286	0	0	0	0	0	0	0	0	0	286
Wheeling Jesuit U.	328	0	0	0	0	0	0	0	275	0	53
Wisconsin	4,295	125	271	1,221	24	729	72	392	166	192	1,103
Public	2,768	125	179	718	7	562	18	263	45	192	659
U. Wisconsin-Parkside	213	0	167	0	0	0	0	1	0	0	45
U. Wisconsin-River Falls	1,130	0	0	286	0	398	0	14	0	119	313
U. Wisconsin-Stout	668	114	0	41	3	22	18	173	45	73	179
U. Wisconsin-Whitewater	757	11	12	391	4	142	0	75	0	0	122
Private	1,527	0	92	503	17	167	54	129	121	0	444
Alverno C.	216	0	0	0	0	0	0	0	0	0	216
Beloit C.	201	0	61	48	0	1	0	54	37	0	0
Concordia U., Wisconsin	248	0	0	212	0	35	0	0	1	0	0
Lawrence U.	508	0	31	206	7	115	47	59	0	0	43
St. Norbert C.	354	0	0	37	10	16	7	16	83	0	185
Puerto Rico	3,398	0	160	2,193	0	68	54	120	190	526	87
Public	1,116	0	160	797	0	7	0	54	43	0	55
U. Puerto Rico, Aguadilla	465	0	160	174	0	0	0	37	43	0	51
U. Puerto Rico, Ponce	651	0	0	623	0	7	0	17	0	0	4
Private	2,282	0	0	1,396	0	61	54	66	147	526	32
Pontifical Catholic U. Puerto Rico, Ponce	287	0	0	39	0	61	4	0	147	7	29
San Juan Bautista School of Medicine	896	0	0	896	0	0	0	0	0	0	0
U. Ana G. Mendez, Carolina	1,099	0	0	461	0	0	50	66	0	519	3

i = imputed.

nec = not elsewhere classified; S&amp;E = science and engineering.

## Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2019.