



National Center for Science and
Engineering Statistics

Science and Engineering Research Facilities: Fiscal Year 2021

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General Notes

This report provides data from the 2021 Survey of Science and Engineering Research Facilities. The congressionally mandated, biennial survey is an establishment-based survey completed by institutional coordinators at academic institutions. It is a census of all research-performing colleges and universities in the United States that expended at least \$1 million in research and development (R&D) funds in the prior fiscal year.

The tables provide data on the amount of science and engineering research space at eligible U.S. colleges and universities. Additional data are provided on the condition of facilities; current, planned, and deferred repair and renovation; and current, planned, and deferred construction projects. Selected tables provide information reported by all institutions that participated in the survey.

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TABLE 1

Science and engineering research space in academic institutions, by field, medical school space, and research animal space: FYs 2007–21

(Net assignable square feet in millions)

Field, medical school space, and research animal space	FY 2007	FY 2009	FY 2011	FY 2013	FY 2015	FY 2017	FY 2019	FY 2021
All research space	187.9	196.1	202.2	211.8	214.5	221.2	226.9	236.1
Agricultural sciences	27.9	29.5	27.6	30.5	28.3	29.0	28.4	32.5
Biological and biomedical sciences	44.8	50.3	53.7	57.2	55.9	57.7	58.3	60.0
Computer and information sciences	4.8	5.2	5.0	4.3	4.3	4.2	4.6	4.6
Engineering	28.4	30.2	31.7	33.4	34.2	35.2	38.3	40.5
Geosciences, atmospheric sciences, and ocean sciences	8.4	8.0	7.8	7.8	8.1	8.5	8.6	9.0
Health sciences	37.0	36.3	36.7	38.0	39.2	39.8	41.1	40.3
Mathematics and statistics	1.6	1.5	1.5	1.7	1.8	1.8	1.8	1.8
Natural resources and conservation	na	na	na	na	3.5	4.3	4.7	4.9
Physical sciences	20.3	20.5	21.8	22.9	22.7	23.2	23.5	23.9
Psychology	4.9	5.2	5.5	5.5	5.5	5.6	5.9	5.8
Social sciences	6.0	5.5	5.7	5.7	6.0	6.1	6.4	6.7
Other	3.7	3.9	5.2	4.8	4.9	5.8	5.3	6.2
Medical school space ^a	43.8	44.3	47.6	48.6	48.6	47.5	49.7	51.5
Research animal space ^b	17.8	18.1	18.4	18.9	19.2	19.2	18.9	19.2

na = not applicable; see notes below.

^a Medical school space is listed separately and is also included in individual field totals.^b Research animal space is listed separately and is also included in individual field totals.**Note(s):**

In FY 2015, "Agricultural sciences and natural resources sciences" was split into "Agricultural sciences" and "Natural resources and conservation." Prior to FY 2015, data for "Natural resources and conservation" are included in "Agricultural sciences." For details on field changes in FY 2021, see "Changes in the questionnaire" in the [Technical Notes](#) section. Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 2

Science and engineering research space in academic institutions, by field, medical school space, research animal space, and type of institution: FY 2021

(Net assignable square feet in millions)

Field, medical school space, and research animal space	All institutions	Doctorate granting			Nondoctorate granting
		All	Public	Private	
All research space	236.1	227.9	170.0	58.0	8.2
Agricultural sciences	32.5	31.8	30.6	1.2	0.7
Biological and biomedical sciences	60.0	57.9	37.4	20.6	2.1
Computer and information sciences	4.6	4.2	2.9	1.3	0.3
Engineering	40.5	39.7	30.9	8.9	0.8
Geosciences, atmospheric sciences, and ocean sciences	9.0	8.4	7.0	1.4	0.5
Health sciences	40.3	39.8	27.6	12.2	0.5
Mathematics and statistics	1.8	1.5	1.0	0.5	0.3
Natural resources and conservation	4.9	4.5	4.1	0.4	0.3
Physical sciences	23.9	22.3	15.8	6.5	1.6
Psychology	5.8	5.3	4.0	1.2	0.6
Social sciences	6.7	6.2	4.3	1.9	0.4
Other	6.2	6.1	4.4	1.8	0.1
Medical school space ^a	51.5	51.3	30.2	21.1	0.2
Research animal space ^b	19.2	18.6	13.9	4.7	0.6

^a Medical school space is listed separately and is also included in individual field totals.^b Research animal space is listed separately and is also included in individual field totals.**Note(s):**

Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 3

Science and engineering research space in academic institutions, ranked by total net assignable square feet, by field: FY 2021

(Net assignable square feet in thousands)

Institution	Rank	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
All institutions	-	236,143	32,468	60,047	4,559	40,512	8,986	40,277	1,822	4,876	23,913	5,826	6,651	6,205
U. Florida	1	4,901	2,598	77	3	436	28	863	9	159	240	29	68	389
U. Georgia	2	3,969	1,996	393	3	170	233	418	*	305	98	41	15	297
U. Minnesota, Twin Cities	3	3,712	1,392	468	32	326	171	770	52	109	198	88	107	0
Johns Hopkins U.	4	3,443	0	689	158	1,192	41	645	31	0	343	74	58	212
Texas A&M U., College Station and Health Science Center	5	3,320	858	672	6	960	127	100	30	32	330	74	88	44
U. Wisconsin-Madison	6	3,272	449	885	31	444	129	609	7	41	383	149	103	42
U. Illinois, Urbana-Champaign	7	3,166	954	417	153	610	20	57	5	324	208	72	32	314
U. California, Davis	8	3,108	881	895	25	331	85	408	14	29	188	38	77	136
Ohio State U.	9	3,067	1,259	500	22	402	63	584	3	55	103	51	19	6
U. California, San Diego	10	2,895	0	335	0	659	339	814	19	0	292	61	135	242
U. California, Los Angeles	11	2,860	0	421	30	264	124	1,184	40	19	322	81	149	226
North Carolina State U.	12	2,745	1,307	345	35	665	62	6	62	44	156	12	33	19
U. Kentucky	13	2,707	919	554	17	374	98	600	5	17	70	24	29	0
Georgia Institute of Technology	14	2,687	0	98	68	2,305	19	25	*	0	113	22	5	31
Michigan State U.	15	2,678	968	569	24	206	24	142	11	96	398	41	77	121
Yale U.	16	2,523	0	743	31	121	39	1,016	18	47	243	41	185	39
Harvard U.	17	2,520	32	1,165	37	203	136	71	69	0	393	58	297	60
Northwestern U.	18	2,471	0	397	18	366	24	892	22	7	271	43	168	263
Pennsylvania State U., University Park and Hershey Medical Center	19	2,444	373	534	20	653	60	360	18	100	220	41	65	0
Wake Forest U.	20	2,423	3	1,218	1	6	0	1,155	0	*	10	24	5	0
U. California, Berkeley	21	2,398	25	649	22	559	72	90	34	190	377	44	219	117
Washington State U.	22	2,332	1,196	357	18	259	24	250	6	23	126	39	34	0
Purdue U., West Lafayette	23	2,204	735	174	38	743	31	167	9	33	214	41	20	0
Mississippi State U.	24	2,191	1,085	97	11	530	28	219	12	18	90	23	78	0
U. Washington, Seattle	25	2,142	0	397	39	392	120	883	0	78	164	28	18	22
Cornell U.	26	2,117	583	899	12	179	4	15	2	36	296	13	10	68
Columbia U. in the City of New York	27	2,070	0	627	37	261	210	494	27	28	276	53	57	0
U. Michigan, Ann Arbor	28	1,882	12	534	4	449	42	496	5	6	166	28	79	62
U. Pennsylvania	29	1,867	2	674	19	149	8	771	6	0	129	28	77	4
U. California, San Francisco	30	1,861	0	334	0	0	0	1,330	0	0	0	0	4	193

TABLE 3

Science and engineering research space in academic institutions, ranked by total net assignable square feet, by field: FY 2021

(Net assignable square feet in thousands)

Institution	Rank	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Maryland ^a	31	1,861	209	445	14	259	3	673	*	0	155	30	45	27
U. Pittsburgh, Pittsburgh	32	1,835	3	718	22	191	14	609	15	0	187	45	31	0
Rutgers, State U. New Jersey, New Brunswick	33	1,803	266	563	10	150	30	614	0	35	54	55	26	0
Massachusetts Institute of Technology	34	1,785	0	251	117	647	47	0	8	0	498	0	32	185
U. Utah	35	1,718	0	449	55	229	79	657	2	0	185	27	33	2
U. Arizona	36	1,692	328	324	10	122	183	169	3	50	387	16	33	68
North Dakota State U.	37	1,683	1,370	72	4	89	4	20	0	16	60	11	6	32
Stanford U.	38	1,679	0	512	26	243	53	512	6	8	268	21	17	13
Virginia Polytechnic Institute and State U.	39	1,659	455	205	7	507	19	307	1	71	59	9	2	15
U. California, Irvine	40	1,611	0	443	60	267	41	408	17	0	220	50	105	0
U. Nebraska, Lincoln	41	1,610	915	232	10	125	9	99	0	47	97	12	62	3
Iowa State U.	42	1,587	1,057	191	4	170	2	2	2	8	90	4	7	49
Washington U., Saint Louis	43	1,475	0	548	4	118	21	659	1	0	95	11	17	0
U. Texas, Austin	44	1,463	0	204	41	469	42	83	3	0	158	36	26	402
U. Texas M. D. Anderson Cancer Center	45	1,460	0	1,460	0	0	0	0	0	0	0	0	0	0
U. Tennessee, Knoxville	46	1,447	968	58	24	267	0	0	1	40	67	3	9	10
U. North Carolina, Chapel Hill	47	1,425	73	417	27	49	32	611	12	0	134	32	39	0
Louisiana State U., Baton Rouge	48	1,411	592	142	2	252	158	15	7	39	147	11	27	21
Arizona State U.	49	1,384	0	425	1	449	109	65	*	0	168	50	61	56
U. Chicago	50	1,296	0	583	12	69	29	369	5	0	176	38	12	2
Wichita State U.	51	1,293	0	18	0	1,221	8	6	0	0	26	5	7	2
U. Virginia, Charlottesville	52	1,262	87	247	24	212	0	456	7	52	122	39	15	0
U. Texas Southwestern Medical Center	53	1,255	0	689	0	3	0	562	0	0	0	1	0	0
Kansas State U.	54	1,223	230	241	19	312	13	96	13	89	153	22	35	0
U. California, Riverside	55	1,160	258	271	41	148	37	28	25	37	141	29	40	106
Colorado State U., Fort Collins	56	1,155	269	209	6	225	64	63	5	155	91	12	7	48
Tulane U.	57	1,140	0	140	4	40	42	288	16	8	65	21	65	451
U. Southern California	58	1,128	0	273	161	226	24	249	0	48	69	16	9	52
SUNY, Stony Brook U.	59	1,112	0	386	51	144	106	112	25	8	199	36	33	11
U. Oklahoma, Norman and Health Science Center	60	1,089	29	287	12	201	312	37	7	9	133	18	42	0

TABLE 3

Science and engineering research space in academic institutions, ranked by total net assignable square feet, by field: FY 2021

(Net assignable square feet in thousands)

Institution	Rank	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Colorado Boulder	61	1,080	0	191	24	272	175	8	4	46	279	69	11	0
Vanderbilt U. and Vanderbilt U. Medical Center ^b	62	1,063	0	350	0	132	6	472	1	0	77	21	5	0
Boston U.	63	1,060	0	539	8	161	20	195	4	0	96	17	19	0
U. Illinois, Chicago	64	1,028	0	329	15	102	7	401	3	1	86	10	16	60
New York U.	65	1,023	0	826	0	72	0	21	2	0	71	17	13	0
Duke U.	66	1,022	0	328	7	99	8	430	2	21	94	15	17	0
U. Connecticut	67	941	93	302	8	111	32	250	2	9	85	44	5	0
Wayne State U.	68	934	0	276	10	114	10	311	5	2	130	51	27	0
U. Colorado Denver and Anschutz Medical Campus	69	927	0	204	0	27	0	684	1	0	6	2	3	0
Baylor C. of Medicine	70	927	0	825	0	0	0	103	0	0	0	0	0	0
Emory U.	71	926	0	443	*	0	0	307	4	20	100	40	12	0
U. California, Santa Barbara	72	905	0	158	22	251	76	1	9	32	170	44	95	45
U. Massachusetts, Medical School	73	894	0	618	0	0	0	276	0	0	0	0	0	0
U. Alabama, Birmingham	74	884	0	246	2	54	0	550	*	0	17	13	1	0
U. Kansas	75	871	0	241	11	113	51	308	7	21	76	21	22	0
Oregon State U.	76	868	185	165	27	184	110	69	2	69	45	*	12	0
California Institute of Technology	77	843	0	295	7	171	64	0	0	0	296	0	10	0
U. Rochester	78	829	0	289	8	44	11	224	*	0	214	37	2	0
U. Missouri, Columbia	79	828	291	172	22	92	8	123	1	40	49	17	13	0
U. Louisiana, Lafayette	80	825	57	537	60	49	6	18	4	48	11	2	15	16
Clemson U.	81	817	167	91	13	368	28	5	16	19	80	6	12	12
U. Arkansas, Fayetteville	82	815	390	74	5	199	24	9	2	2	88	9	11	3
U. Alaska, Fairbanks	83	810	124	151	46	140	159	23	9	76	21	6	37	18
Utah State U.	84	802	330	63	2	327	3	9	*	55	9	3	2	0
U. South Florida	85	799	0	63	10	117	126	316	3	1	88	25	50	0
Oklahoma State U., Stillwater	86	799	386	155	4	133	17	2	1	15	73	10	2	0
U. Cincinnati	87	795	0	234	1	185	19	237	5	0	83	16	16	0
SUNY, U. Buffalo	88	794	0	209	18	145	18	242	2	0	93	34	16	16
Princeton U.	89	791	0	203	28	188	38	0	21	0	239	12	61	0
Oregon Health and Science U.	90	785	0	256	13	29	0	471	0	2	0	8	6	0

TABLE 3

Science and engineering research space in academic institutions, ranked by total net assignable square feet, by field: FY 2021

(Net assignable square feet in thousands)

Institution	Rank	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Wyoming	91	779	217	115	5	172	73	34	8	46	53	16	38	0
Icahn School of Medicine at Mount Sinai	92	760	0	735	25	0	0	0	0	0	0	0	0	0
Scripps Research Institute	93	748	0	748	0	0	0	0	0	0	0	0	0	0
Texas Tech U.	94	747	137	123	3	267	45	0	4	18	93	13	8	37
U. South Carolina, Columbia	95	745	0	123	19	197	71	142	3	1	99	47	44	0
Dartmouth C.	96	744	0	272	27	103	19	138	18	11	76	33	43	3
Tufts U.	97	742	139	319	9	99	6	109	1	0	43	16	*	0
Indiana U. Purdue U., Indianapolis	98	740	0	160	9	40	10	477	*	0	28	12	3	0
U. Maine	99	732	276	72	23	199	87	1	*	27	29	7	6	5
U. Iowa	100	716	0	231	4	119	2	249	*	0	82	24	3	1
U. Central Florida	101	707	5	225	51	162	20	39	5	40	126	18	6	10
Medical U. South Carolina	102	706	0	373	0	20	0	313	0	0	0	0	0	0
U. Houston	103	703	1	137	19	232	27	91	3	7	160	24	3	0
Virginia Commonwealth U.	104	702	0	237	13	107	0	270	0	3	34	26	9	2
U. Massachusetts, Amherst	105	701	112	130	28	182	21	30	3	24	106	56	8	0
Carnegie Mellon U.	106	682	0	64	142	383	0	0	5	0	50	29	8	1
U. Hawaii, Manoa	107	681	6	254	5	48	157	124	*	8	66	1	12	0
U. California, Santa Cruz	108	664	0	111	8	117	135	0	12	0	179	24	51	28
U. Texas, Dallas	109	661	0	134	22	303	27	18	*	0	116	11	8	22
South Dakota State U.	110	655	489	46	*	45	7	12	0	27	24	2	2	0
U. New Mexico	111	641	0	171	23	133	31	191	3	6	26	14	35	7
U. Southern Mississippi	112	639	2	291	4	60	46	19	3	93	96	7	12	5
CUNY, City C.	113	631	0	163	6	158	11	46	8	0	175	22	18	25
SUNY, Polytechnic Institute	114	630	0	6	*	609	0	0	0	*	14	1	0	0
U. Texas Health Science Center, San Antonio	115	627	0	342	0	0	0	285	0	0	0	0	0	0
George Washington U.	116	622	0	205	29	98	0	167	4	1	72	4	10	32
U. Notre Dame	117	621	0	130	2	227	7	28	25	0	178	14	11	0
West Virginia U.	118	613	231	75	3	112	8	64	1	45	46	3	12	14
Case Western Reserve U.	119	592	0	240	0	109	5	157	1	0	42	5	1	32
U. Louisville	120	592	*	95	0	103	0	327	0	0	46	16	3	1
Indiana U., Bloomington	121	573	0	148	13	16	35	59	0	19	171	75	17	22

TABLE 3

Science and engineering research space in academic institutions, ranked by total net assignable square feet, by field: FY 2021

(Net assignable square feet in thousands)

Institution	Rank	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Dillard U.	122	565	0	110	42	10	150	42	46	50	68	23	23	0
Illinois State U.	123	563	168	71	65	0	20	117	13	0	58	22	28	0
Florida International U.	124	562	0	183	19	96	19	27	*	16	51	146	3	1
Rockefeller U.	125	561	0	512	0	0	0	35	0	0	13	0	0	0
U. Nevada, Reno	126	558	102	143	19	111	35	7	0	15	97	16	13	0
U. Nebraska, Medical Center	127	555	0	197	0	7	0	351	0	0	0	0	0	0
Albert Einstein C. of Medicine	128	555	0	300	0	0	0	203	0	0	0	0	0	52
Saint Louis U.	129	536	0	179	8	29	12	265	1	0	18	19	4	0
Northeastern U.	130	526	0	50	41	187	18	55	2	0	82	30	29	32
U. Oregon	131	522	0	242	13	0	41	5	1	3	120	65	27	6
U. Texas, Arlington	132	515	0	83	41	205	14	56	2	0	98	15	1	0
U. Toledo	133	513	8	146	0	88	21	101	4	45	70	18	12	0
U. Mississippi	134	505	0	360	*	20	2	73	0	0	45	1	4	0
U. California, Merced	135	499	27	70	18	114	3	16	13	29	128	16	25	42
Southern Illinois U., Carbondale	136	499	129	99	5	30	59	31	1	41	69	15	16	5
New Mexico State U.	137	497	304	25	20	81	1	3	2	13	34	3	9	2
U. Texas Health Science Center, Houston	138	496	0	294	0	0	0	189	0	0	0	13	0	0
Long Island U.	139	492	326	23	6	1	4	105	7	2	5	8	5	0
Howard U.	140	492	0	142	10	55	14	174	8	0	19	16	46	8
U. Dayton	141	488	0	1	1	484	*	*	0	0	1	*	*	0
San Diego State U.	142	484	5	63	4	47	32	118	5	0	38	64	55	54
U. Idaho	143	483	191	135	4	54	12	16	1	32	33	*	4	0
U. Delaware	144	478	100	12	5	149	40	38	1	17	62	16	15	22
Florida State U.	145	462	0	69	7	125	55	27	2	3	131	34	10	0
Fort Valley State U.	146	461	188	57	18	20	0	33	55	0	63	14	14	0
Temple U.	147	453	0	104	6	42	8	169	*	0	76	35	13	0
Medical C. Wisconsin	148	452	0	164	0	17	0	179	0	0	0	0	0	93
U. Texas Medical Branch	149	448	0	341	0	0	0	107	0	0	0	0	0	0
U. Wisconsin-Milwaukee	150	443	0	52	22	108	105	35	3	0	72	23	23	0
U. Puerto Rico, Medical Sciences Campus	151	431	0	345	0	0	0	81	0	0	0	5	0	0
Drexel U.	152	423	0	132	7	133	0	84	7	13	28	12	1	6

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Georgetown U.	153	419	0	69	2	0	0	175	1	1	44	2	124	0
Auburn U., Auburn	154	416	104	22	9	164	1	16	*	48	48	4	0	0
U. Miami	155	390	0	118	1	14	22	180	0	14	27	13	*	0
Duquesne U.	156	387	0	76	5	9	0	134	5	0	100	7	50	0
U. New Hampshire	157	384	93	59	17	57	82	5	*	17	33	9	5	7
U. Massachusetts, Lowell	158	365	0	45	8	180	5	18	*	0	101	6	1	0
U. Texas, El Paso	159	362	0	86	12	107	20	15	4	8	40	18	10	43
Brown U.	160	360	0	132	12	76	12	44	20	3	36	20	5	0
Cold Spring Harbor Laboratory	161	360	36	311	7	0	0	2	0	0	4	0	0	0
U. Maryland, Baltimore County	162	355	0	49	37	65	19	14	8	5	64	20	25	50
Brigham Young U., Provo	163	354	0	63	5	85	13	16	*	57	80	11	14	12
Loyola U., Chicago	164	354	0	269	6	3	0	59	6	0	3	2	6	0
George Mason U.	165	352	0	104	32	50	19	24	18	19	36	23	27	0
Woods Hole Oceanographic Institution	166	349	0	60	8	109	112	0	5	0	52	0	4	0
Michigan Technological U.	167	349	0	25	5	210	43	8	2	0	31	2	3	20
U. Vermont	168	347	19	126	2	27	7	98	1	17	17	8	3	21
Rice U.	169	340	0	50	7	148	11	0	7	0	84	6	6	20
U. Tennessee, Health Science Center	170	338	0	277	19	1	0	40	0	0	0	0	0	0
U. Akron	171	335	0	51	1	235	9	1	1	0	29	5	3	0
U. North Texas, Health Science Center	172	321	0	203	0	0	0	117	0	0	0	0	0	0
Montana State U., Bozeman	173	320	146	35	3	55	7	1	1	7	62	0	4	0
U. North Carolina, Charlotte	174	316	0	39	22	118	18	19	4	0	60	13	23	0
William & Mary	175	315	0	42	2	0	167	3	0	8	47	12	19	15
Tuskegee U.	176	309	96	28	13	153	0	19	0	0	0	0	0	0
Alabama State U.	177	308	0	70	35	5	0	80	35	0	25	33	25	0
U. Memphis	178	298	8	57	23	42	20	19	7	0	46	29	31	17
Central Michigan U.	179	296	14	118	5	29	9	36	9	5	32	26	13	0
Florida Atlantic U.	180	291	39	123	7	32	10	1	0	3	23	10	5	38
Thomas Jefferson U.	181	290	i 0 i	277 i	0 i	0 i	0 i	14 i	* i	0 i	0 i	* i	0 i	0 i
East Carolina U.	182	287	0	99	4	3	19	120	0	0	30	5	7	0
U. North Dakota	183	286	0	62	0	164	10	13	0	0	26	6	4	0

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North Carolina Agricultural and Technical State U.	184	285	55	10	3	83	0	54	30	46	5	0	0	0
Delaware State U.	185	284	30	30	19	2	2	16	2	8	111	36	27	1
SUNY, Upstate Medical U.	186	281	0	273	0	0	0	9	0	0	0	0	0	0
U. Alabama, Tuscaloosa	187	281	0	65	6	106	12	4	*	7	62	8	10	0
Augusta U.	188	281	0	195	2	0	0	79	1	1	1	1	1	0
U. Alabama, Huntsville	189	278	1	15	24	136	22	2	5	1	71	1	1	0
Colorado School of Mines	190	278	0	0	4	183	34	0	2	0	55	0	0	0
U. Montana, Missoula	191	278	59	92	2	0	19	61	3	4	19	1	6	13
Rensselaer Polytechnic Institute	192	277	0	4	7	215	9	0	4	0	16	6	9	6
Baylor U.	193	275	1	59	4	50	31	20	9	7	73	8	13	0
Missouri U. of Science and Technology	194	274	0	12	9	185	23	0	*	5	39	1	0	0
U. Rhode Island	195	272	26	49	1	26	86	19	*	34	14	1	8	8
SUNY, Binghamton U.	196	272	0	19	12	105	8	16	1	*	38	32	20	21
U. Nevada, Las Vegas	197	263	0	43	20	46	15	39	*	1	43	16	11	28
Old Dominion U.	198	261	9	36	5	64	42	10	0	0	50	11	2	32
Brandeis U.	199	258	0	117	6	0	0	0	6	0	56	13	58	2
U. Puerto Rico, Mayaguez	200	258	61	34	1	70	33	0	2	0	54	1	1	0
Meharry Medical C.	201	258	0	183	0	0	0	75	0	0	0	0	0	0
Georgia Southern U.	202	257	5	44	2	170	2	4	2	0	14	8	6	0
U. Maryland Center for Environmental Science	203	257	20	76	0	0	147	0	7	0	0	0	7	0
CUNY, Hunter C.	204	250	0	36	2	0	8	54	5	0	41	27	65	11
Northern Arizona U.	205	250	0	117	12	18	18	16	2	25	22	7	13	0
Rochester Institute of Technology	206	246	*	6	32	134	*	3	5	*	46	0	2	17
Kent State U.	207	242	0	61	10	4	10	14	3	0	92	27	21	0
Texas State U.	208	242	4	43	6	33	2	31	1	14	45	5	58	0
U. Arkansas for Medical Sciences	209	241	0	154	0	0	0	88	0	0	0	0	0	0
Texas Tech U., Health Sciences Center	210	238	0	61	0	0	0	177	0	0	0	0	0	0
Florida Institute of Technology	211	235	0	40	15	86	10	0	2	0	60	22	0	0
U. Texas, San Antonio	212	234	9	24	7	86	9	0	2	9	46	14	28	0
Prairie View A&M U.	213	234	188	4	1	3	0	15	1	1	17	1	1	2

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West Virginia School of Osteopathic Medicine	214	232	0	100	8	0	0	84	2	0	22	8	8	0
Morgan State U.	215	232	2	49	3	59	22	4	3	3	35	7	43	2
Marshall U.	216	231	2	97	2	47	3	27	4	0	22	2	7	17
Louisiana Tech U.	217	231	13	2	13	133	0	11	5	1	38	4	9	2
California Polytechnic State U., San Luis Obispo	218	231	34	40	16	68	14	10	5	0	24	2	2	17
Southern U. and A&M C., Baton Rouge	219	230	18	20	23	65	0	2	6	52	26	2	15	0
U. North Texas, Denton	220	228	0	73	20	75	0	8	1	2	39	8	1	1
U. Minnesota, Duluth	221	228	0	17	1	25	20	*	0	135	2	3	2	22
Lehigh U.	222	223	0	27	0	136	13	0	0	0	34	12	1	0
Louisiana State U., Health Sciences Center, New Orleans	223	222	0	155	0	0	0	67	0	0	0	0	0	0
Portland State U.	224	222	0	65	9	50	3	2	1	12	52	4	21	3
North Carolina Central U.	225	218	0	0	0	0	0	0	0	0	0	0	0	218
U. South Alabama	226	218	1	97	3	27	4	51	*	0	12	6	18	0
Idaho State U.	227	217	0	55	4	86	12	23	1	0	19	3	6	8
Northeast Ohio Medical U.	228	216	0	197	0	0	0	19	0	0	0	0	0	0
Georgia State U.	229	216	0	104	*	0	6	9	0	0	69	27	1	0
SUNY, U. Albany	230	212	0	51	8	8	25	7	2	10	33	16	45	8
Nova Southeastern U.	231	209	0	53	0	0	87	61	*	1	*	5	0	0
Florida A&M U.	232	207	102	13	0	29	0	30	0	7	25	*	0	0
Syracuse U.	233	207	0	41	3	61	16	6	1	0	52	13	6	8
U. Missouri, Kansas City	234	206	0	32	6	10	5	111	0	0	28	11	2	2
Lamar U.	235	206	1	13	11	55	10	12	4	12	28	1	9	48
Miami U.	236	205	0	59	3	13	16	5	*	0	58	24	12	15
Rush U.	237	204	0	38	0	0	0	120	0	0	0	3	0	44
Mercer U.	238	203	0	2	1	113	0	65	2	0	13	4	*	3
U. Texas Rio Grande Valley	239	203	2	51	4	32	15	49	0	0	45	4	*	0
Louisiana State U., Health Sciences Center, Shreveport	240	198	0	163	0	0	0	33	0	0	0	1	0	0
U. North Carolina, Greensboro	241	186	0	40	4	0	1	31	2	3	30	21	39	15
Oberlin C.	242	185	0	73	2	0	6	0	2	3	65	22	13	0

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East Tennessee State U.	243	185	3	108	0	5	4	27	13	5	12	3	4	0
U. North Florida	244	185	0	49	8	42	0	15	7	0	56	5	3	0
Ohio U.	245	179	0	39	17	52	*	17	1	0	28	7	19	0
Bowling Green State U.	246	179	0	41	5	3	13	21	23	2	37	23	11	0
San Jose State U.	247	177	13	32	4	38	34	12	3	1	33	3	4	0
Southern Methodist U.	248	174	0	23	28	45	21	6	1	0	30	8	13	0
Murray State U.	249	169	46	19	11	24	5	19	2	16	12	3	8	3
Wright State U.	250	166	3	73	11	29	0	4	0	12	20	10	2	0
Boston C.	251	164	0	40	*	1	16	4	1	0	57	17	28	0
Occidental C.	252	163	0	48	0	0	21	1	10	0	48	2	33	0
U. Colorado Colorado Springs	253	163	0	25	5	23	5	49	3	0	24	11	14	3
California State U., Long Beach	254	162	0	44	3	58	3	10	2	0	22	14	6	0
Rowan U.	255	161	0	75	1	58	5	4	*	0	15	1	1	0
Tennessee State U.	256	160	127	24	0	3	0	0	0	0	6	0	0	0
Franklin and Marshall C.	257	156	0	45	6	0	19	0	5	2	44	15	20	0
Youngstown State U.	258	152	0	25	10	70	4	5	1	1	30	2	4	0
Florida Gulf Coast U.	259	151	73	65	1	8	2	1	0	0	0	*	0	0
Stephen F. Austin State U.	260	149	40	10	20	20	10	10	3	0	30	3	3	0
Liberty U.	261	149	0	51	25	36	0	37	0	0	0	0	0	0
California State U., Fullerton	262	148	0	27	17	44	3	8	6	0	22	8	11	0
Creighton U.	263	143	0	63	*	0	0	59	1	0	13	3	4	0
Worcester Polytechnic Institute	264	143	0	20	9	84	0	15	4	0	8	1	2	0
Colgate U.	265	143	0	32	5	0	25	0	8	5	39	15	13	0
Ball State U.	266	143	9	51	5	0	7	14	0	3	38	5	11	0
Clarkson U.	267	142	0	14	1	86	0	1	2	2	30	1	0	3
Illinois Institute of Technology	268	141	4	8	7	93	0	0	7	0	18	3	0	0
U. Tulsa	269	141	2	15	10	70	6	3	3	*	8	16	8	0
U. Massachusetts, Boston	270	140	0	34	4	9	15	8	0	0	8	17	32	13
New Jersey Institute of Technology	271	139	0	13	6	96	1	0	*	0	25	0	0	0
Albany Medical C.	272	139	0	0	0	0	0	139	0	0	0	0	0	0
Connecticut C.	273	138	0	6	1	0	2	0	6	4	77	20	20	0
Cleveland State U.	274	136	0	26	0	54	0	7	0	0	31	8	10	0

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Desert Research Institute	275	136	6	20	12	3	87	4	0	1	0	0	3	0
U. Puerto Rico, Rio Piedras	276	135	0	40	5	1	2	3	3	8	56	15	3	0
Marquette U.	277	134	2	34	3	33	0	11	4	0	20	6	5	15
Santa Clara U.	278	134	0	20	1	65	0	1	4	2	31	5	5	0
Texas A&M U.-Corpus Christi	279	132	0	53	5	17	26	6	3	7	13	1	1	0
Northern Illinois U.	280	132	0	36	5	10	5	8	1	0	37	20	6	2
Oakland U.	281	131	0	31	4	19	0	45	*	0	24	8	0	0
San Francisco State U.	282	131	0	42	2	7	41	0	1	0	25	9	4	0
California State U., Northridge	283	130	0	29	4	36	6	17	0	0	28	8	3	0
Boise State U.	284	130	8	25	5	48	14	8	1	*	17	1	1	0
U. Missouri, Saint Louis	285	129	0	40	2	0	0	5	2	0	42	24	14	0
Western Washington U.	286	129	0	27	7	11	19	9	2	9	29	11	5	1
Western Illinois U.	287	127	8	46	8	15	5	4	0	0	32	4	5	0
Van Andel Research Institute	288	126	0	126	0	0	0	0	0	0	0	0	0	0
Eastern Virginia Medical School	289	126	0	120	0	0	0	7	0	0	0	0	0	0
New York Medical C.	290	126	0	110	0	0	0	16	0	0	0	0	0	0
Midwestern U.	291	126	*	98	0	0	1	27	0	0	0	*	0	0
Catholic U. of America	292	125	0	22	4	30	0	7	1	0	48	6	8	0
CUNY, Queens C.	293	124	1	21	3	0	4	10	5	4	30	30	17	0
Western Kentucky U.	294	124	5	15	12	27	10	4	7	0	39	4	0	0
U. Richmond	295	123	0	40	4	0	0	0	3	0	50	8	18	0
U. Denver	296	123	0	23	1	29	1	0	1	0	28	18	22	0
Clark Atlanta U.	297	123	0	29	16	3	0	29	*	0	47	0	0	0
James Madison U.	298	122	0	27	1	4	6	17	3	0	44	9	1	9
Lafayette C.	299	120	0	30	3	31	6	0	4	1	10	15	21	0
U. New Orleans	300	119	0	21	6	18	13	0	1	0	44	6	9	0
Rosalind Franklin U. of Medicine and Science	301	118	0	111	0	0	0	7	0	0	0	0	0	0
Wesleyan U.	302	116	0	32	2	0	8	0	3	7	42	14	8	0
Grand Valley State U.	303	115	0	30	3	46	4	10	0	16	7	0	*	0
Missouri State U.	304	115	27	23	1	13	6	14	0	7	16	6	3	0
U. Maryland, Eastern Shore	305	114	62	12	0	25	6	6	1	1	2	0	0	0

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Rutgers, State U. New Jersey, Newark	306	114	0	33	1	0	2	0	5	0	34	13	5	20
California State U., Fresno	307	113	59	16	0	10	2	5	0	0	13	5	2	0
Pomona C.	308	112	2	31	6	0	8	0	6	3	40	9	8	0
U. North Carolina, Wilmington	309	110	0	7	2	0	73	1	0	*	2	21	4	0
C. New Jersey	310	109	0	20	3	28	1	2	3	0	23	12	17	0
Texas Tech U., Health Sciences Center, El Paso	311	109	0	99	0	0	0	10	0	0	0	0	0	0
Texas Christian U.	312	108	3	14	3	12	14	10	3	5	28	15	2	0
Jackson State U.	313	107	0	12	51	6	2	1	10	0	16	1	*	8
CUNY, Brooklyn C.	314	106	0	38	2	0	11	3	0	0	31	18	3	0
Tennessee Technological U.	315	106	3	9	5	54	2	*	3	6	22	2	*	0
U. Tennessee, Chattanooga	316	106	0	24	25	38	0	9	0	0	6	3	2	0
Southern Connecticut State U.	317	106	1	10	4	5	10	35	1	5	20	6	5	3
SUNY, Downstate Medical Center	318	105	0	84	0	0	0	21	0	0	0	0	0	0
Wellesley C.	319	104	0	36	9	2	7	0	3	4	33	7	4	0
Alabama A&M U.	320	104	35	7	1	20	0	0	1	35	5	0	0	0
Villanova U.	321	103	0	20	2	43	2	3	1	3	16	7	3	3
Arkansas State U., Jonesboro	322	102	7	60	1	4	1	2	1	4	19	*	2	0
Carleton C.	323	102	0	23	19	0	13	0	7	1	22	9	8	0
U. Guam	324	102	51	11	5	0	7	6	7	12	2	2	0	0
Humboldt State U.	325	101	0	30	1	12	8	6	2	29	7	4	4	0
U. Arkansas, Little Rock	326	101	0	14	14	55	3	0	0	0	10	5	0	0
Morehouse School of Medicine	327	100	0	74	0	0	0	21	0	0	0	2	3	0
Indiana State U.	328	99	0	27	1	8	8	32	5	1	12	3	2	0
U. Northern Iowa	329	99	0	32	1	25	4	1	1	0	17	6	2	11
Southern Illinois U., Edwardsville	330	99	5	38	0	14	1	11	2	2	10	9	6	1
U. Arkansas, Pine Bluff	331	98	43	32	1	*	0	0	*	12	5	1	4	0
St. Edward's U.	332	98	2	20	15	0	2	0	15	4	20	10	10	0
U. Wisconsin-Oshkosh	333	97	4	31	1	7	6	5	*	5	13	8	15	3
Hope C.	334	97	0	21	2	9	4	7	3	0	19	8	0	25
St. Cloud State U.	335	97	16	11	11	12	1	4	0	6	19	6	11	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	336	97	0	41	1	28	5	10	*	0	9	1	*	0

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Smith C.	337	96	0	38	4	7	8	2	3	1	16	11	3	4
SUNY, C. of Environmental Science and Forestry	338	95	8	3	0	36	0	0	0	4	42	0	2	0
U. Wisconsin-Superior	339	95	0	18	4	17	8	8	3	10	15	7	5	0
Loma Linda U.	340	95	0	70	0	5	*	20	0	0	0	0	0	0
Colorado State U., Pueblo	341	94	0	21	4	17	8	8	3	7	15	7	5	0
Chapman U.	342	94	3	21	7	5	5	19	1	0	5	10	18	0
U. Hawaii, Hilo	343	94	50	9	2	1	3	21	0	3	2	2	2	0
Framingham State U.	344	93	0	18	4	17	8	10	3	7	16	7	5	0
New Mexico Highlands U.	345	93	0	18	4	17	8	8	3	7	16	7	5	0
Sam Houston State U.	346	93	2	33	4	4	2	5	1	10	4	5	23	0
Northeastern Illinois U.	347	92	0	18	4	17	8	9	3	7	15	7	5	0
U. Massachusetts, Dartmouth	348	92	0	12	3	26	21	1	2	0	18	3	4	3
West Texas A&M U.	349	92	52	12	1	16	1	1	*	4	3	2	0	0
U. Alaska, Anchorage	350	90	0	26	5	31	4	2	*	3	6	3	10	0
U. Central Arkansas	351	90	0	37	4	3	3	15	5	2	16	3	2	0
California State U., Sacramento	352	89	0	5	20	28	2	12	*	1	6	1	8	5
Grinnell C.	353	88	13	24	5	0	1	0	2	0	23	10	11	0
Southeastern Louisiana U.	354	88	0	40	0	12	0	13	0	0	18	4	0	0
Swarthmore C.	355	87	0	35	2	17	0	0	1	0	17	12	2	0
Langston U.	356	87	75	11	0	*	0	0	*	0	0	0	*	0
Stevens Institute of Technology	357	86	1	13	4	40	17	1	0	*	10	0	0	*
Towson U.	358	86	0	19	7	0	1	13	2	7	22	14	2	0
New Mexico Institute of Mining and Technology	359	86	0	4	4	25	25	0	*	0	27	1	0	0
Eastern Washington U.	360	86	0	25	8	15	10	6	2	3	17	0	0	0
Sonoma State U.	361	85	0	24	10	8	8	2	5	0	15	5	8	0
Vassar C.	362	85	18	16	3	0	4	0	7	10	13	10	5	0
Spelman C.	363	84	1	16	5	1	0	0	6	1	52	1	0	0
Fordham U.	364	83	0	27	5	2	0	0	2	21	13	6	7	0
South Dakota School of Mines and Technology	365	83	0	3	1	60	5	0	0	0	14	0	0	0
Montclair State U.	366	82	0	23	8	3	11	4	4	1	17	8	2	2

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Lincoln U., Jefferson City	367	81	65	4	0	*	0	0	0	10	2	0	0	0
Bucknell U.	368	81	0	20	1	20	7	0	*	1	20	12	0	0
Amherst C.	369	80	0	29	3	0	4	0	2	4	27	4	6	0
Texas A&M U.-Kingsville	370	80	45	10	0	13	4	0	0	0	8	0	0	0
William Paterson U.	371	78	0	17	3	0	0	26	2	3	14	10	3	*
Rutgers, State U. New Jersey, Camden	372	77	1	25	10	1	0	5	3	2	20	10	2	0
U. Wisconsin-Eau Claire	373	75	0	15	2	3	5	13	4	1	18	7	7	0
American U.	374	75	0	10	1	0	0	1	2	6	22	15	19	0
Pennsylvania State U., Behrend	375	73	0	3	2	58	1	0	1	1	3	0	4	0
Kennesaw State U.	376	73	0	26	11	7	0	9	1	0	14	4	3	0
U. Louisiana, Monroe	377	73	0	22	*	0	0	38	0	0	1	0	9	3
St. John's U., New York	378	73	0	15	0	0	0	41	0	0	13	5	*	0
Middlebury C.	379	73	0	25	1	0	9	0	1	3	18	11	6	0
U. of the District of Columbia	380	73	5	15	6	30	0	5	1	1	1	1	3	5
U. South Dakota	381	71	0	37	0	7	7	0	0	0	11	6	4	0
Teachers C., Columbia U.	382	71	0	10	1	0	0	10	10	0	0	25	15	0
Virginia State U.	383	70	57	3	1	4	0	0	0	0	*	4	0	0
Norfolk State U.	384	69	0	7	8	32	0	0	0	0	22	0	0	0
Alcorn State U.	385	68	20	13	2	5	0	0	3	15	*	*	10	0
Texas Woman's U.	386	68	0	30	*	0	0	25	*	0	3	5	2	2
Harvey Mudd C.	387	68	0	8	14	23	0	0	3	0	18	1	0	0
Skidmore C.	388	68	0	23	2	0	4	8	2	2	15	6	6	0
DePaul U.	389	67	3	19	7	0	0	0	4	3	17	6	10	0
Colby C.	390	67	0	25	3	0	6	0	1	3	21	6	2	0
Furman U.	391	67	0	15	0	0	7	3	*	0	36	5	0	0
Texas Southern U.	392	67	5	8	1	6	1	7	2	19	5	1	11	0
U. of the Sciences Philadelphia	393	66	0	25	2	0	0	16	15	0	7	1	0	0
Xavier U. Louisiana	394	66	0	11	2	2	0	36	1	0	13	1	1	0
Central State U.	395	65	9	6	5	29	4	0	*	12	*	0	*	0
U. of the Pacific	396	63	0	3	2	18	4	8	4	0	19	2	3	0
Pacific U.	397	62	0	9	4	0	0	22	3	2	14	7	*	2

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Oklahoma State U., Center for Health Sciences	398	62	0	46	0	0	0	6	0	0	0	0	10	0					
U. Nebraska, Omaha	399	61	0	22	8	12	0	3	0	0	3	8	2	4					
U. Texas Health Science Center, Tyler	400	61	0	48	0	0	0	13	0	0	0	*	0	0					
California State U., San Bernardino	401	61	0	9	2	0	1	10	1	0	10	13	14	0					
CUNY, Advanced Science Research Center	402	60	0	23	0	0	*	0	0	9	28	0	0	0					
Purdue U., Fort Wayne	403	59	5	14	1	8	3	1	3	3	11	3	6	0					
Eastern Michigan U.	404	59	0	10	*	19	7	4	1	0	13	2	2	0					
Western Carolina U.	405	58	0	7	1	24	6	5	0	2	12	*	2	0					
Kettering U.	406	58	0	5	3	32	0	0	0	0	19	0	0	0					
Middle Tennessee State U.	407	58	3	24	0	3	2	2	0	0	17	3	2	2					
CUNY, C. Staten Island	408	57	3	15	5	8	0	4	0	1	14	6	0	2					
U. Nebraska, Kearney	409	57	3	8	3	10	*	22	1	*	2	4	3	0					
Embry-Riddle Aeronautical U.	410	57	0	2	4	29	3	0	4	0	15	0	0	0					
Bowdoin C.	411	57	0	17	2	0	13	0	1	1	13	3	5	2					
California State U., Los Angeles	412	56	4	12	1	14	3	5	1	0	13	2	2	0					
Fort Lewis C.	413	56	2	12	3	22	10	2	0	0	5	0	0	0					
Kean U.	414	55	0	18	2	0	0	17	*	1	11	0	0	6					
SUNY, C. of Optometry	415	55	0	40	0	0	0	15	0	0	0	0	0	0					
Ithaca C.	416	55	3	11	1	2	1	20	0	2	7	8	1	0					
CUNY, New York City C. of Technology	417	55	0	4	1	44	1	0	0	0	3	*	0	0					
Kentucky State U.	418	54	51	1	2	0	0	0	0	0	0	0	*	0					
Clark U.	419	54	0	10	0	0	0	0	0	1	24	7	13	0					
Loyola Marymount U.	420	54	0	14	1	12	1	3	2	1	8	5	7	0					
CUNY, Graduate Center	421	54	0	4	1	*	2	0	6	0	5	8	28	0					
U. Northern Colorado	422	53	0	16	1	0	3	12	5	*	10	4	3	0					
U. of the Incarnate Word	423	52	i	0	i	19	i	5	i	0	i	15	i	5	i	6	i	0	i
Indiana U. Pennsylvania	424	52	*	11	2	7	4	6	1	3	8	3	7	0					
U. Michigan, Dearborn	425	52	0	9	3	31	1	0	*	0	8	0	0	0					
Tarleton State U.	426	52	24	6	0	14	2	1	0	0	3	0	3	0					
Roseman U. of Health Sciences	427	52	0	23	0	0	0	29	0	0	0	0	0	0					
West Chester U. Pennsylvania	428	51	0	13	2	3	2	2	1	0	14	8	5	0					

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Trinity U.	429	50	7	15	1	5	3	0	*	*	11	4	4	0					
U. West Florida	430	50	0	13	2	4	0	2	*	11	7	*	10	1					
U. Wisconsin-Stevens Point	431	50	3	21	0	0	2	0	*	3	20	1	0	0					
Western U. of Health Sciences	432	50	6	25	*	0	0	18	0	0	0	0	0	0					
U. Hartford	433	49	0	2	0	28	0	5	0	0	4	1	0	9					
Calvin U.	434	49	0	9	5	13	2	6	*	*	9	2	2	0					
Central Washington U.	435	48	0	8	2	1	10	1	0	0	8	10	7	0					
South Carolina State U.	436	48	i	0	i	10	i	6	i	20	i	2	i	0	i				
C. Charleston	437	48	0	14	2	0	8	1	0	1	13	7	1	0					
Hawaii Pacific U.	438	48	33	9	0	3	0	0	0	0	2	*	0	0					
Montana Technological U.	439	47	0	7	*	25	11	0	2	3	1	0	0	0					
CUNY, John Jay C. of Criminal Justice	440	47	2	10	*	0	0	0	0	0	23	6	5	0					
U. New England	441	47	4	19	0	0	6	10	0	3	2	0	1	2					
Pittsburg State U.	442	46	i	0	i	26	i	*	i	*	2	i	7	i	0	i			
Mercyhurst U.	443	45	0	8	2	0	1	12	*	0	7	2	14	0					
Mount Holyoke C.	444	44	0	11	2	0	5	0	1	*	13	11	*	0					
Reed C.	445	44	0	18	0	0	0	0	0	0	19	7	0	0					
Davidson C.	446	44	0	9	2	0	0	0	*	1	14	17	*	0					
West Virginia State U.	447	43	21	9	3	2	1	0	3	5	1	0	0	0					
Bryn Mawr C.	448	43	0	8	2	0	5	0	2	0	12	5	9	1					
Savannah State U.	449	43	2	8	5	9	7	0	2	5	4	0	1	0					
New York Institute of Technology	450	43	i	0	i	11	i	4	i	0	0	5	i	*	i	0	i		
Minnesota State U., Mankato	451	41	*	6	0	19	2	0	*	*	7	6	1	0					
Haverford C.	452	41	0	9	4	0	2	0	3	0	18	6	0	0					
Oregon Institute of Technology	453	41	0	0	0	37	0	3	0	0	2	0	0	0					
Northwestern State U. Louisiana	454	41	0	6	4	12	0	5	3	0	6	3	3	0					
Texas A&M U.-Commerce	455	41	6	4	3	7	0	3	5	0	9	4	0	0					
Pepperdine U.	456	40	0	13	*	0	0	4	1	1	9	4	7	0					
Coastal Carolina U.	457	40	0	7	0	2	19	1	1	*	7	2	1	0					
U. San Diego	458	40	0	19	0	4	5	6	*	0	3	4	*	0					
Texas A&M International U.	459	40	0	20	0	1	0	*	0	1	17	1	0	0					
Williams C.	460	40	i	0	i	7	i	3	i	0	0	12	i	5	i	5	i	0	i

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Northern Kentucky U.	461	39	0	16	1	2	1	1	*	0	8	8	2	0													
Providence C.	462	39	0	14	0	5	0	0	0	0	12	8	0	0													
SUNY, Oswego	463	39	0	11	1	5	5	0	0	0	10	5	2	0													
U. South Carolina, Aiken	464	38	0	9	1	1	2	10	1	0	6	4	4	0													
Johnson C. Smith U.	465	37	i	0	i	15	i	14	i	0	i	0	i	*	i	*	i	0	i								
Ponce Health Sciences U.	466	36	0	29	0	0	0	3	0	0	0	5	0	0													
U. Texas, Tyler	467	36	0	16	0	9	0	7	0	0	3	1	0	0													
Trinity C., Hartford	468	35	0	8	1	3	0	0	2	1	8	3	9	2													
U. Baltimore	469	35	0	2	2	0	0	0	0	0	0	2	28	0													
Bates C.	470	34	0	16	*	0	4	0	*	*	8	3	2	1													
Morehouse C.	471	34	0	11	2	5	0	1	1	0	7	7	1	0													
Edward Via C. of Osteopathic Medicine	472	34	0	24	1	0	0	10	0	0	0	0	0	0													
Canisius C.	473	34	0	15	0	0	0	1	0	0	12	2	3	0													
SUNY, Geneseo	474	34	0	2	0	0	8	0	1	0	11	8	5	0													
U. Central Oklahoma	475	33	3	12	3	5	0	1	2	*	4	1	0	1													
Azusa Pacific U.	476	33	3	12	3	1	1	6	1	0	4	4	0	0													
California State U., East Bay	477	33	0	11	1	3	1	2	*	3	8	2	2	0													
Christopher Newport U.	478	33	1	15	3	1	0	0	*	0	2	10	1	0													
SUNY, Buffalo State	479	32	0	9	*	0	4	1	0	8	8	3	*	0													
Pennsylvania State U., Harrisburg	480	32	0	4	0	20	0	3	0	4	1	*	0	0													
Philadelphia C. of Osteopathic Medicine	481	32	0	27	0	0	0	2	0	0	0	3	0	0													
Saginaw Valley State U.	482	32	2	*	1	12	*	10	*	1	5	1	*	0													
Morehead State U.	483	32	0	7	0	9	0	2	0	0	2	4	8	0													
CUNY, York C.	484	31	0	4	2	1	*	15	1	0	5	2	1	0													
Manhattan C.	485	31	i	0	i	6	i	3	i	0	i	0	i	4	i	0	i	4	i	0	i	5	i	5	i	0	i
U. North Carolina, Asheville	486	31	0	7	1	2	1	1	1	7	9	2	1	0													
U. Puerto Rico, Humacao	487	31	1	12	0	3	*	0	1	1	12	0	*	1													
California State U., Chico	488	31	1	10	1	3	3	1	1	1	5	1	5	*													
California State U., San Marcos	489	30	0	11	1	2	1	2	0	0	3	9	1	0													
U. Central del Caribe	490	29	0	27	0	0	0	2	0	0	0	*	0	0													
U. of Health Sciences and Pharmacy in St. Louis	491	28	1	8	0	0	0	18	1	0	*	0	1	0													

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Alfred U.	492	28	0	0	0	28	0	0	0	0	0	0	0	0
U. Wisconsin-La Crosse	493	28	1	5	*	0	1	3	0	3	10	2	2	0
Purdue U., Northwest	494	28	0	5	2	11	0	*	0	4	3	1	1	0
U. Oklahoma, Tulsa	495	28	0	5	0	6	0	7	0	0	0	8	2	0
Salisbury U.	496	28	*	5	5	*	*	6	*	2	1	6	1	1
California State U., Dominguez Hills	497	28	0	8	1	0	1	*	0	0	16	1	0	1
Macalester C.	498	27	0	6	1	0	4	0	1	2	6	5	3	0
Appalachian State U.	499	27	0	1	*	0	2	10	0	0	8	*	6	0
Scripps C.	500	27	1	10	*	0	1	0	1	2	6	3	3	0
Hobart and William Smith Colleges	501	26	0	10	*	0	3	0	*	*	8	3	1	0
U. Wisconsin-Green Bay	502	26	5	10	1	1	1	0	0	2	5	1	0	0
Saint Joseph's U.	503	26	2	10	0	0	0	0	0	0	10	3	0	0
U. New Haven	504	26	0	6	2	6	*	*	*	1	7	1	2	0
U. Ana G. Mendez, Gurabo	505	24	0	1	0	18	0	2	0	0	1	2	0	0
Clafin U.	506	23	2	13	2	1	1	0	1	1	3	0	0	0
U. Detroit Mercy	507	23	0	7	*	6	0	2	0	0	6	2	0	0
Des Moines U.	508	23	0	22	0	0	0	1	0	0	0	0	0	0
Claremont McKenna C.	509	22	0	0	0	0	0	0	4	0	0	8	10	0
Sul Ross State U.	510	22	6	10	0	0	*	0	0	1	2	2	2	0
U. Houston-Clear Lake	511	22	0	3	2	3	2	2	2	2	2	2	2	0
New School	512	22	0	3	1	0	0	0	0	0	0	7	12	0
U. San Francisco	513	21	2	7	2	0	1	7	0	0	3	0	0	0
Claremont Graduate U.	514	21	0	0	*	0	0	9	*	0	0	4	8	0
Charles R. Drew U. of Medicine and Science	515	21	0	16	0	0	0	5	0	0	0	0	0	0
Yeshiva U.	516	21	0	5	*	0	0	1	0	0	7	8	*	0
Milwaukee School of Engineering	517	20	0	1	0	19	0	0	0	0	0	0	0	0
Biola U.	518	20	0	7	*	1	0	5	0	0	6	0	0	0
Keck Graduate Institute	519	20	0	11	0	1	0	8	0	0	0	0	0	0
Northern Michigan U.	520	20	0	7	*	0	0	*	0	0	9	*	3	0
Wheaton C., Wheaton	521	20	0	5	1	1	2	1	1	1	7	*	1	0
Albany C. of Pharmacy and Health Sciences	522	20	0	13	0	0	0	7	0	0	0	0	0	0

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Eastern Connecticut State U.	523	18	1	5	1	0	2	1	*	2	3	2	1	0							
California State U., Channel Islands	524	18	1	4	*	0	0	*	0	5	7	*	1	0							
California State U., Bakersfield	525	18	0	4	1	3	4	1	0	0	2	2	1	0							
Florida Polytechnic U.	526	18	0	2	5	2	0	2	0	7	0	0	0	0							
Barnard C.	527	17	0	9	0	0	0	0	0	1	1	6	*	0							
Dakota State U.	528	17	*	1	15	0	0	*	0	0	1	0	*	0							
Troy U.	529	17	0	2	1	*	1	4	1	2	3	1	1	0							
U. of St. Thomas (MN)	530	17	0	5	*	4	0	0	0	0	6	2	0	0							
Winthrop U.	531	17	*	5	2	0	*	2	*	1	3	1	2	0							
California State Polytechnic U., Pomona	532	16	2	5	3	4	2	0	0	0	1	0	0	0							
Winston-Salem State U.	533	16	i	0	i	5	i	1	i	*	i	2	i	3	i	2	i	1	i	0	i
Lewis and Clark C.	534	16	0	7	*	0	1	0	*	0	5	3	0	0							
Pace U.	535	16	0	9	2	0	0	1	0	1	2	1	0	0							
Roger Williams U.	536	15	3	3	0	3	3	1	*	*	2	*	*	0							
California State U., Maritime Academy	537	15	1	2	1	5	2	0	0	1	1	1	1	0							
CUNY, Lehman C.	538	15	0	7	*	0	*	*	*	0	5	*	1	0							
Rhode Island C.	539	15	*	9	0	0	*	0	0	0	3	2	0	0							
U. of the Virgin Islands	540	15	2	*	*	*	2	0	*	2	7	*	*	0							
U. Puerto Rico, Cayey	541	14	0	5	0	0	0	0	1	0	6	0	2	0							
Stockton U.	542	14	*	5	*	*	2	*	*	2	4	*	*	0							
Keene State C.	543	14	0	4	*	1	0	2	*	2	3	1	1	*							
Fisk U.	544	14	0	3	0	0	0	0	0	0	8	2	1	0							
Abilene Christian U.	545	13	1	2	2	4	0	1	1	1	2	0	0	0							
Fayetteville State U.	546	13	1	4	1	0	1	1	1	0	4	0	0	0							
Monmouth U.	547	13	0	6	*	*	0	0	0	2	4	*	0	0							
Elizabeth City State U.	548	12	0	5	3	2	1	1	*	0	1	0	0	0							
Black Hills State U.	549	12	2	4	0	0	1	0	0	0	5	2	0	0							
Gallaudet U.	550	12	0	2	1	0	*	2	*	1	1	2	3	0							
U. Washington, Tacoma	551	12	0	2	2	1	0	0	1	5	0	1	1	0							
U. Alaska, Southeast	552	12	0	6	0	0	3	0	0	1	1	*	0	0							
U. Washington, Bothell	553	11	5	*	1	2	2	*	*	*	2	0	*	0							
Augustana U.	554	11	1	4	0	0	0	1	*	0	4	0	1	0							

TABLE 3

Science and engineering research space in academic institutions, ranked by total net assignable square feet, by field: FY 2021

(Net assignable square feet in thousands)

Institution	Rank	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Illinois, Springfield	555	11	0	5	1	0	1	*	0	2	1	1	1	0
Hampton U.	556	11	0	2	0	0	3	2	0	0	4	0	0	0
Austin Peay State U.	557	10	1	2	*	2	1	2	1	1	1	1	1	0
U. Southern Maine	558	10	3	1	*	2	0	*	*	2	1	0	*	0
California State U., Stanislaus	559	9	0	3	*	0	*	0	*	0	3	0	1	0
Heidelberg U.	560	9	0	1	0	0	0	0	0	8	0	0	0	0
CUNY, Baruch C.	561	8	0	2	2	0	*	0	0	0	1	2	1	0
Touro U.	562	8	0	4	0	0	0	4	0	0	0	0	0	0
American Samoa Community C.	563	8	4	2	0	0	0	0	0	0	0	0	1	1
Alaska Pacific U.	564	7	0	1	1	0	0	1	0	5	1	0	0	0
Northwest Indian C.	565	7	1	2	1	1	2	0	0	1	*	0	0	0
New England C. of Optometry	566	6	0	3	0	0	0	3	0	0	0	0	0	0
Bowie State U.	567	6	0	5	0	0	0	0	1	0	0	0	0	0
SUNY, C. Brockport	568	6	1	4	*	0	*	*	0	*	*	*	*	0
Marshall B. Ketchum U.	569	5	0	1	0	0	0	4	*	0	1	0	0	0
Dordt U.	570	5	*	1	*	*	*	0	2	0	1	0	0	0
California State U., Monterey Bay	571	5	2	3	0	0	0	0	0	0	0	0	0	0
Toyota Technological Institute, Chicago	572	5	0	*	4	1	0	0	0	0	0	0	0	0
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	573	4	0	4	0	0	0	1	0	0	0	0	0	0
Northland C.	574	4	0	0	0	0	0	0	0	2	2	*	0	0
Palmer C. of Chiropractic, Davenport	575	4	0	0	*	0	0	3	*	0	0	0	0	0
Tougaloo C.	576	3	0	2	1	*	0	0	0	*	*	0	0	0
Indiana U., South Bend	577	3	0	2	0	0	0	0	0	0	1	*	0	0
SUNY, C. Plattsburgh	578	3	0	0	0	0	0	1	0	1	*	0	0	0
Fielding Graduate U.	579	3	0	0	0	0	0	0	0	0	0	0	3	0
National U. of Natural Medicine	580	2	0	0	0	0	0	2	0	0	0	0	0	0
Southern U. and A&M C., Agricultural Research and Extension Center	581	1	*	*	0	0	0	*	0	*	0	0	0	0
MGH Institute of Health Professions	582	1	0	1	0	0	0	0	0	0	0	0	0	0
Carlos Albizu U.	583	*	0	0	0	0	0	*	0	0	0	*	0	0

TABLE 3

Science and engineering research space in academic institutions, ranked by total net assignable square feet, by field: FY 2021

(Net assignable square feet in thousands)

Institution	Rank	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
CUNY, Graduate School of Public Health and Health Policy ^c	584	0	0	0	0	0	0	0	0	0	0	0	0	0

* = value > 0 but < 500 net assignable square feet; i = imputed.

^a The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^b Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

^c CUNY Graduate School of Public Health and Health Policy uses science and engineering research space that is owned and administered by other CUNY institutions. Therefore, no research space is reported for this institution.

Note(s):

Details may not add to totals due to rounding. Institutions are ranked on unrounded totals. Tied institutions are ranked alphabetically.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 4

Condition of science and engineering research space in academic institutions, by field: FY 2021

(Net assignable square feet in millions and percent)

Field	NASF (millions) ^a	Condition (% NASF)			
		Superior	Satisfactory	Requires renovations	Requires replacement
All research space	229.3	37	44	16	4
Agricultural sciences	29.9	28	46	22	5
Biological and biomedical sciences	59.2	41	41	15	3
Computer and information sciences	4.5	42	46	10	2
Engineering	39.9	38	45	15	3
Geosciences, atmospheric sciences, and ocean sciences	8.9	30	49	18	3
Health sciences	39.0	42	41	14	4
Mathematics and statistics	1.8	25	52	19	5
Natural resources and conservation	4.6	25	47	20	8
Physical sciences	23.4	35	44	17	4
Psychology	5.7	29	50	16	5
Social sciences	6.5	28	52	16	3
Other	5.8	43	39	12	6

NASF = net assignable square feet.

^a Includes NASF located only at those institutions that also rated condition of their space. Consequently, this table accounts for approximately 6.8 million fewer NASF than other tables.

Note(s):

Details may not add to totals due to rounding. Condition was assessed relative to the usage of the current research program.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Alabama	2,815	237	553	94	665	40	725	42	93	242	66	56	0
Public	2,506	141	525	81	512	40	707	42	93	242	66	56	0
Alabama A&M U.	104	35	7	1	20	0	0	1	35	5	0	0	0
Alabama State U.	308	0	70	35	5	0	80	35	0	25	33	25	0
Auburn U., Auburn	416	104	22	9	164	1	16	*	48	48	4	0	0
Troy U.	17	0	2	1	*	1	4	1	2	3	1	1	0
U. Alabama, Birmingham	884	0	246	2	54	0	550	*	0	17	13	1	0
U. Alabama, Huntsville	278	1	15	24	136	22	2	5	1	71	1	1	0
U. Alabama, Tuscaloosa	281	0	65	6	106	12	4	*	7	62	8	10	0
U. South Alabama	218	1	97	3	27	4	51	*	0	12	6	18	0
Private	309	96	28	13	153	0	19	0	0	0	0	0	0
Tuskegee U.	309	96	28	13	153	0	19	0	0	0	0	0	0
Alaska	920	124	184	52	171	166	26	9	84	29	9	48	18
Public	912	124	183	51	171	166	25	9	80	28	9	48	18
U. Alaska, Anchorage	90	0	26	5	31	4	2	*	3	6	3	10	0
U. Alaska, Fairbanks	810	124	151	46	140	159	23	9	76	21	6	37	18
U. Alaska, Southeast	12	0	6	0	0	3	0	0	1	1	*	0	0
Private	7	0	1	1	0	0	1	0	5	1	0	0	0
Alaska Pacific U.	7	0	1	1	0	0	1	0	5	1	0	0	0
Arizona	3,326	328	865	23	589	310	251	5	75	578	72	106	124
Public	3,326	328	865	23	589	310	251	5	75	578	72	106	124
Arizona State U.	1,384	0	425	1	449	109	65	*	0	168	50	61	56
Northern Arizona U.	250	0	117	12	18	18	16	2	25	22	7	13	0
U. Arizona	1,692	328	324	10	122	183	169	3	50	387	16	33	68
Arkansas	1,448	440	372	26	262	31	114	7	20	138	18	18	3
Public	1,448	440	372	26	262	31	114	7	20	138	18	18	3
Arkansas State U., Jonesboro	102	7	60	1	4	1	2	1	4	19	*	2	0
U. Arkansas for Medical Sciences	241	0	154	0	0	0	88	0	0	0	0	0	0
U. Arkansas, Fayetteville	815	390	74	5	199	24	9	2	2	88	9	11	3
U. Arkansas, Little Rock	101	0	14	14	55	3	0	0	0	10	5	0	0
U. Arkansas, Pine Bluff	98	43	32	1	*	0	0	*	12	5	1	4	0
U. Central Arkansas	90	0	37	4	3	3	15	5	2	16	3	2	0

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
California	25,643	1,332	6,286	548	3,876	1,270	5,391	259	439	3,153	638	1,173	1,278
Public	20,130	1,314	4,119	317	3,101	1,081	4,502	215	375	2,318	541	1,034	1,213
California Polytechnic State U., San Luis Obispo	231	34	40	16	68	14	10	5	0	24	2	2	17
California State Polytechnic U., Pomona	16	2	5	3	4	2	0	0	0	1	0	0	0
California State U., Bakersfield	18	0	4	1	3	4	1	0	0	2	2	1	0
California State U., Channel Islands	18	1	4	*	0	0	*	0	5	7	*	1	0
California State U., Chico	31	1	10	1	3	3	1	1	1	5	1	5	*
California State U., Dominguez Hills	28	0	8	1	0	1	*	0	0	16	1	0	1
California State U., East Bay	33	0	11	1	3	1	2	*	3	8	2	2	0
California State U., Fresno	113	59	16	0	10	2	5	0	0	13	5	2	0
California State U., Fullerton	148	0	27	17	44	3	8	6	0	22	8	11	0
California State U., Long Beach	162	0	44	3	58	3	10	2	0	22	14	6	0
California State U., Los Angeles	56	4	12	1	14	3	5	1	0	13	2	2	0
California State U., Maritime Academy	15	1	2	1	5	2	0	0	1	1	1	1	0
California State U., Monterey Bay	5	2	3	0	0	0	0	0	0	0	0	0	0
California State U., Northridge	130	0	29	4	36	6	17	0	0	28	8	3	0
California State U., Sacramento	89	0	5	20	28	2	12	*	1	6	1	8	5
California State U., San Bernardino	61	0	9	2	0	1	10	1	0	10	13	14	0
California State U., San Marcos	30	0	11	1	2	1	2	0	0	3	9	1	0
California State U., Stanislaus	9	0	3	*	0	*	0	*	0	3	0	1	0
Humboldt State U.	101	0	30	1	12	8	6	2	29	7	4	4	0
San Diego State U.	484	5	63	4	47	32	118	5	0	38	64	55	54
San Francisco State U.	131	0	42	2	7	41	0	1	0	25	9	4	0
San Jose State U.	177	13	32	4	38	34	12	3	1	33	3	4	0
Sonoma State U.	85	0	24	10	8	8	2	5	0	15	5	8	0
U. California, Berkeley	2,398	25	649	22	559	72	90	34	190	377	44	219	117
U. California, Davis	3,108	881	895	25	331	85	408	14	29	188	38	77	136
U. California, Irvine	1,611	0	443	60	267	41	408	17	0	220	50	105	0
U. California, Los Angeles	2,860	0	421	30	264	124	1,184	40	19	322	81	149	226
U. California, Merced	499	27	70	18	114	3	16	13	29	128	16	25	42
U. California, Riverside	1,160	258	271	41	148	37	28	25	37	141	29	40	106
U. California, San Diego	2,895	0	335	0	659	339	814	19	0	292	61	135	242

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. California, San Francisco	1,861	0	334	0	0	0	1,330	0	0	0	0	4	193
U. California, Santa Barbara	905	0	158	22	251	76	1	9	32	170	44	95	45
U. California, Santa Cruz	664	0	111	8	117	135	0	12	0	179	24	51	28
Private	5,513	18	2,167	231	775	188	889	44	65	835	97	139	65
Azusa Pacific U.	33	3	12	3	1	1	6	1	0	4	4	0	0
Biola U.	20	0	7	*	1	0	5	0	0	6	0	0	0
California Institute of Technology	843	0	295	7	171	64	0	0	0	296	0	10	0
Chapman U.	94	3	21	7	5	5	19	1	0	5	10	18	0
Charles R. Drew U. of Medicine and Science	21	0	16	0	0	0	5	0	0	0	0	0	0
Claremont Graduate U.	21	0	0	*	0	0	9	*	0	0	4	8	0
Claremont McKenna C.	22	0	0	0	0	0	0	4	0	0	8	10	0
Fielding Graduate U.	3	0	0	0	0	0	0	0	0	0	0	3	0
Harvey Mudd C.	68	0	8	14	23	0	0	3	0	18	1	0	0
Keck Graduate Institute	20	0	11	0	1	0	8	0	0	0	0	0	0
Loma Linda U.	95	0	70	0	5	*	20	0	0	0	0	0	0
Loyola Marymount U.	54	0	14	1	12	1	3	2	1	8	5	7	0
Marshall B. Ketchum U.	5	0	1	0	0	0	4	*	0	1	0	0	0
Occidental C.	163	0	48	0	0	21	1	10	0	48	2	33	0
Pepperdine U.	40	0	13	*	0	0	4	1	1	9	4	7	0
Pomona C.	112	2	31	6	0	8	0	6	3	40	9	8	0
Santa Clara U.	134	0	20	1	65	0	1	4	2	31	5	5	0
Scripps C.	27	1	10	*	0	1	0	1	2	6	3	3	0
Scripps Research Institute	748	0	748	0	0	0	0	0	0	0	0	0	0
Stanford U.	1,679	0	512	26	243	53	512	6	8	268	21	17	13
Touro U.	8	0	4	0	0	0	4	0	0	0	0	0	0
U. of the Pacific	63	0	3	2	18	4	8	4	0	19	2	3	0
U. San Diego	40	0	19	0	4	5	6	*	0	3	4	*	0
U. San Francisco	21	2	7	2	0	1	7	0	0	3	0	0	0
U. Southern California	1,128	0	273	161	226	24	249	0	48	69	16	9	52
Western U. of Health Sciences	50	6	25	*	0	0	18	0	0	0	0	0	0
Colorado	3,929	271	701	49	798	299	826	24	208	513	122	65	52
Public	3,806	271	679	47	769	299	826	22	208	486	104	43	52

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Colorado School of Mines	278	0	0	4	183	34	0	2	0	55	0	0	0
Colorado State U., Fort Collins	1,155	269	209	6	225	64	63	5	155	91	12	7	48
Colorado State U., Pueblo	94 i	0 i	21 i	4 i	17 i	8 i	8 i	3 i	7 i	15 i	7 i	5 i	0 i
Fort Lewis C.	56	2	12	3	22	10	2	0	0	5	0	0	0
U. Colorado Boulder	1,080	0	191	24	272	175	8	4	46	279	69	11	0
U. Colorado Colorado Springs	163	0	25	5	23	5	49	3	0	24	11	14	3
U. Colorado Denver and Anschutz Medical Campus	927	0	204	0	27	0	684	1	0	6	2	3	0
U. Northern Colorado	53	0	16	1	0	3	12	5	*	10	4	3	0
Private	123	0	23	1	29	1	0	1	0	28	18	22	0
U. Denver	123	0	23	1	29	1	0	1	0	28	18	22	0
Connecticut	3,952	94	1,116	51	274	94	1,306	33	75	489	132	234	53
Public	1,064	94	318	13	116	44	285	3	16	108	53	11	3
Eastern Connecticut State U.	18	1	5	1	0	2	1	*	2	3	2	1	0
Southern Connecticut State U.	106	1	10	4	5	10	35	1	5	20	6	5	3
U. Connecticut	941	93	302	8	111	32	250	2	9	85	44	5	0
Private	2,888	0	798	37	157	50	1,021	30	59	381	80	224	50
Connecticut C.	138	0	6	1	0	2	0	6	4	77	20	20	0
Trinity C., Hartford	35	0	8	1	3	0	0	2	1	8	3	9	2
U. Hartford	49	0	2	0	28	0	5	0	0	4	1	0	9
U. New Haven	26	0	6	2	6	*	*	*	1	7	1	2	0
Wesleyan U.	116	0	32	2	0	8	0	3	7	42	14	8	0
Yale U.	2,523	0	743	31	121	39	1,016	18	47	243	41	185	39
Delaware	762	131	42	24	152	42	55	3	25	173	52	42	23
Public	762	131	42	24	152	42	55	3	25	173	52	42	23
Delaware State U.	284	30	30	19	2	2	16	2	8	111	36	27	1
U. Delaware	478	100	12	5	149	40	38	1	17	62	16	15	22
District of Columbia	1,817	5	465	53	213	15	530	17	9	207	47	212	45
Public	73	5	15	6	30	0	5	1	1	1	1	3	5
U. of the District of Columbia	73	5	15	6	30	0	5	1	1	1	1	3	5
Private	1,745	0	450	47	183	15	525	16	8	206	45	209	40
American U.	75	0	10	1	0	0	1	2	6	22	15	19	0

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Catholic U. of America	125	0	22	4	30	0	7	1	0	48	6	8	0
Gallaudet U.	12	0	2	1	0	*	2	*	1	1	2	3	0
George Washington U.	622	0	205	29	98	0	167	4	1	72	4	10	32
Georgetown U.	419	0	69	2	0	0	175	1	1	44	2	124	0
Howard U.	492	0	142	10	55	14	174	8	0	19	16	46	8
Florida	9,222	2,817	1,096	131	1,181	383	1,566	32	262	850	307	156	440
Public	8,332	2,817	882	111	1,052	260	1,325	26	247	747	267	156	440
Florida A&M U.	207	102	13	0	29	0	30	0	7	25	*	0	0
Florida Atlantic U.	291	39	123	7	32	10	1	0	3	23	10	5	38
Florida Gulf Coast U.	151	73	65	1	8	2	1	0	0	0	*	0	0
Florida International U.	562	0	183	19	96	19	27	*	16	51	146	3	1
Florida Polytechnic U.	18	0	2	5	2	0	2	0	7	0	0	0	0
Florida State U.	462	0	69	7	125	55	27	2	3	131	34	10	0
U. Central Florida	707	5	225	51	162	20	39	5	40	126	18	6	10
U. Florida	4,901	2,598	77	3	436	28	863	9	159	240	29	68	389
U. North Florida	185	0	49	8	42	0	15	7	0	56	5	3	0
U. South Florida	799	0	63	10	117	126	316	3	1	88	25	50	0
U. West Florida	50	0	13	2	4	0	2	*	11	7	*	10	1
Private	890	0	213	20	128	123	242	6	15	103	41	*	0
Embry-Riddle Aeronautical U.	57	0	2	4	29	3	0	4	0	15	0	0	0
Florida Institute of Technology	235	0	40	15	86	10	0	2	0	60	22	0	0
Nova Southeastern U.	209	0	53	0	0	87	61	*	1	*	5	0	0
U. Miami	390	0	118	1	14	22	180	0	14	27	13	*	0
Georgia	9,458	2,192	1,499	132	2,802	267	999	75	332	596	171	63	331
Public	7,988	2,192	926	109	2,680	267	576	61	310	377	117	46	328
Augusta U.	281	0	195	2	0	0	79	1	1	1	1	1	0
Fort Valley State U.	461	188	57	18	20	0	33	55	0	63	14	14	0
Georgia Institute of Technology	2,687	0	98	68	2,305	19	25	*	0	113	22	5	31
Georgia Southern U.	257	5	44	2	170	2	4	2	0	14	8	6	0
Georgia State U.	216	0	104	*	0	6	9	0	0	69	27	1	0
Kennesaw State U.	73	0	26	11	7	0	9	1	0	14	4	3	0
Savannah State U.	43	2	8	5	9	7	0	2	5	4	0	1	0

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

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State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Georgia	3,969	1,996	393	3	170	233	418	*	305	98	41	15	297
Private	1,470	1	573	23	122	0	423	14	21	219	54	16	3
Clark Atlanta U.	123	0	29	16	3	0	29	*	0	47	0	0	0
Emory U.	926	0	443	*	0	0	307	4	20	100	40	12	0
Mercer U.	203	0	2	1	113	0	65	2	0	13	4	*	3
Morehouse C.	34	0	11	2	5	0	1	1	0	7	7	1	0
Morehouse School of Medicine	100	0	74	0	0	0	21	0	0	0	2	3	0
Spelman C.	84	1	16	5	1	0	0	6	1	52	1	0	0
Hawaii	822	90	272	7	51	160	145	*	11	69	3	14	0
Public	775	56	263	7	49	160	145	*	11	67	3	14	0
U. Hawaii, Hilo	94	50	9	2	1	3	21	0	3	2	2	2	0
U. Hawaii, Manoa	681	6	254	5	48	157	124	*	8	66	1	12	0
Private	48	33	9	0	3	0	0	0	0	2	*	0	0
Hawaii Pacific U.	48	33	9	0	3	0	0	0	0	2	*	0	0
Idaho	829	200	215	13	188	38	48	4	33	68	4	12	8
Public	829	200	215	13	188	38	48	4	33	68	4	12	8
Boise State U.	130	8	25	5	48	14	8	1	*	17	1	1	0
Idaho State U.	217	0	55	4	86	12	23	1	0	19	3	6	8
U. Idaho	483	191	135	4	54	12	16	1	32	33	*	4	0
Illinois	10,518	1,272	2,588	311	1,331	181	2,113	72	387	1,009	253	311	690
Public	5,717	1,264	1,060	256	798	125	638	28	376	516	159	115	382
Illinois State U.	563	168	71	65	0	20	117	13	0	58	22	28	0
Northeastern Illinois U.	92	0	18	4	17	8	9	3	7	15	7	5	0
Northern Illinois U.	132	0	36	5	10	5	8	1	0	37	20	6	2
Southern Illinois U., Carbondale	499	129	99	5	30	59	31	1	41	69	15	16	5
Southern Illinois U., Edwardsville	99	5	38	0	14	1	11	2	2	10	9	6	1
U. Illinois, Chicago	1,028	0	329	15	102	7	401	3	1	86	10	16	60
U. Illinois, Springfield	11	0	5	1	0	1	*	0	2	1	1	1	0
U. Illinois, Urbana-Champaign	3,166	954	417	153	610	20	57	5	324	208	72	32	314
Western Illinois U.	127	8	46	8	15	5	4	0	0	32	4	5	0
Private	4,801	8	1,528	55	533	55	1,475	44	11	492	95	196	309
DePaul U.	67	3	19	7	0	0	0	4	3	17	6	10	0

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Illinois Institute of Technology	141	4	8	7	93	0	0	7	0	18	3	0	0
Loyola U., Chicago	354	0	269	6	3	0	59	6	0	3	2	6	0
Midwestern U.	126	*	98	0	0	1	27	0	0	0	*	0	0
Northwestern U.	2,471	0	397	18	366	24	892	22	7	271	43	168	263
Rosalind Franklin U. of Medicine and Science	118	0	111	0	0	0	7	0	0	0	0	0	0
Rush U.	204	0	38	0	0	0	120	0	0	0	3	0	44
Toyota Technological Institute, Chicago	5	0	*	4	1	0	0	0	0	0	0	0	0
U. Chicago	1,296	0	583	12	69	29	369	5	0	176	38	12	2
Wheaton C., Wheaton	20	0	5	1	1	2	1	1	1	7	*	1	0
Indiana	4,470	749	712	70	1,052	101	777	41	63	657	154	72	22
Public	3,849	749	582	68	825	94	750	17	63	478	140	61	22
Ball State U.	143	9	51	5	0	7	14	0	3	38	5	11	0
Indiana State U.	99	0	27	1	8	8	32	5	1	12	3	2	0
Indiana U., Bloomington	573	0	148	13	16	35	59	0	19	171	75	17	22
Indiana U., South Bend	3	0	2	0	0	0	0	0	0	1	*	0	0
Indiana U. Purdue U., Indianapolis	740	0	160	9	40	10	477	*	0	28	12	3	0
Purdue U., Fort Wayne	59	5	14	1	8	3	1	3	3	11	3	6	0
Purdue U., Northwest	28	0	5	2	11	0	*	0	4	3	1	1	0
Purdue U., West Lafayette	2,204	735	174	38	743	31	167	9	33	214	41	20	0
Private	621	0	130	2	227	7	28	25	0	178	14	11	0
U. Notre Dame	621	0	130	2	227	7	28	25	0	178	14	11	0
Iowa	2,521	1,070	501	16	315	9	255	7	8	213	44	22	62
Public	2,402	1,057	454	10	314	8	252	3	8	189	34	12	62
Iowa State U.	1,587	1,057	191	4	170	2	2	2	8	90	4	7	49
U. Iowa	716	0	231	4	119	2	249	*	0	82	24	3	1
U. Northern Iowa	99	0	32	1	25	4	1	1	0	17	6	2	11
Private	120	13	47	6	*	1	4	4	0	24	10	11	0
Des Moines U.	23	0	22	0	0	0	1	0	0	0	0	0	0
Dordt U.	5	*	1	*	*	*	0	2	0	1	0	0	0
Grinnell C.	88	13	24	5	0	1	0	2	0	23	10	11	0
Palmer C. of Chiropractic, Davenport	4	0	0	*	0	0	3	*	0	0	0	0	0
Kansas	3,434	230	526	31	1,649	72	410	20	112	262	53	65	2

TABLE 5

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State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Public	3,434	230	526	31	1,649	72	410	20	112	262	53	65	2
Kansas State U.	1,223	230	241	19	312	13	96	13	89	153	22	35	0
Pittsburg State U.	46 i	0 i	26 i	* i	3 i	* i	* i	* i	2 i	7 i	6 i	1 i	0 i
U. Kansas	871	0	241	11	113	51	308	7	21	76	21	22	0
Wichita State U.	1,293	0	18	0	1,221	8	6	0	0	26	5	7	2
Kentucky	3,717	1,022	708	42	539	113	955	14	33	178	59	51	4
Public	3,717	1,022	708	42	539	113	955	14	33	178	59	51	4
Kentucky State U.	54	51	1	2	0	0	0	0	0	0	0	*	0
Morehead State U.	32	0	7	0	9	0	2	0	0	2	4	8	0
Murray State U.	169	46	19	11	24	5	19	2	16	12	3	8	3
Northern Kentucky U.	39	0	16	1	2	1	1	*	0	8	8	2	0
U. Kentucky	2,707	919	554	17	374	98	600	5	17	70	24	29	0
U. Louisville	592	*	95	0	103	0	327	0	0	46	16	3	1
Western Kentucky U.	124	5	15	12	27	10	4	7	0	39	4	0	0
Louisiana	5,209	680	1,370	156	592	369	569	89	199	437	78	177	493
Public	3,439	680	1,109	108	540	177	203	27	141	291	33	88	42
Louisiana State U., Baton Rouge	1,411	592	142	2	252	158	15	7	39	147	11	27	21
Louisiana State U., Health Sciences Center, New Orleans	222	0	155	0	0	0	67	0	0	0	0	0	0
Louisiana State U., Health Sciences Center, Shreveport	198	0	163	0	0	0	33	0	0	0	1	0	0
Louisiana Tech U.	231	13	2	13	133	0	11	5	1	38	4	9	2
Northwestern State U. Louisiana	41	0	6	4	12	0	5	3	0	6	3	3	0
Southeastern Louisiana U.	88	0	40	0	12	0	13	0	0	18	4	0	0
Southern U. and A&M C., Agricultural Research and Extension Center	1	*	*	0	0	0	*	0	*	0	0	0	0
Southern U. and A&M C., Baton Rouge	230	18	20	23	65	0	2	6	52	26	2	15	0
U. Louisiana, Lafayette	825	57	537	60	49	6	18	4	48	11	2	15	16
U. Louisiana, Monroe	73	0	22	*	0	0	38	0	0	1	0	9	3
U. New Orleans	119	0	21	6	18	13	0	1	0	44	6	9	0
Private	1,770	0	261	48	52	192	366	62	58	147	45	89	451
Dillard U.	565	0	110	42	10	150	42	46	50	68	23	23	0
Tulane U.	1,140	0	140	4	40	42	288	16	8	65	21	65	451

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Xavier U. Louisiana	66	0	11	2	2	0	36	1	0	13	1	1	0
Maine	947	282	150	28	201	115	12	3	35	73	19	17	11
Public	742	279	73	24	201	87	1	1	29	30	7	6	5
U. Maine	732	276	72	23	199	87	1	*	27	29	7	6	5
U. Southern Maine	10	3	1	*	2	0	*	*	2	1	0	*	0
Private	205	4	77	4	0	28	10	3	7	44	12	10	6
Bates C.	34	0	16	*	0	4	0	*	*	8	3	2	1
Bowdoin C.	57	0	17	2	0	13	0	1	1	13	3	5	2
Colby C.	67	0	25	3	0	6	0	1	3	21	6	2	0
U. New England	47	4	19	0	0	6	10	0	3	2	0	1	2
Maryland	6,416	293	1,350	227	1,600	239	1,361	53	17	622	153	210	291
Public	2,973	293	661	69	408	198	716	22	17	279	79	151	80
Bowie State U.	6	0	5	0	0	0	0	1	0	0	0	0	0
Morgan State U.	232	2	49	3	59	22	4	3	3	35	7	43	2
Salisbury U.	28	*	5	5	*	*	6	*	2	1	6	1	1
Towson U.	86	0	19	7	0	1	13	2	7	22	14	2	0
U. Baltimore	35	0	2	2	0	0	0	0	0	0	2	28	0
U. Maryland ^a	1,861	209	445	14	259	3	673	*	0	155	30	45	27
U. Maryland Center for Environmental Science	257	20	76	0	0	147	0	7	0	0	0	7	0
U. Maryland, Baltimore County	355	0	49	37	65	19	14	8	5	64	20	25	50
U. Maryland, Eastern Shore	114	62	12	0	25	6	6	1	1	2	0	0	0
Private	3,443	0	689	158	1,192	41	645	31	0	343	74	58	212
Johns Hopkins U.	3,443	0	689	158	1,192	41	645	31	0	343	74	58	212
Massachusetts	10,259	283	3,553	303	1,914	454	795	121	41	1,660	286	550	299
Public	2,285	112	858	47	414	71	342	9	30	249	88	49	16
Framingham State U.	93 i	0 i	18 i	4 i	17 i	8 i	10 i	3 i	7 i	16 i	7 i	5 i	0 i
U. Massachusetts, Amherst	701	112	130	28	182	21	30	3	24	106	56	8	0
U. Massachusetts, Boston	140	0	34	4	9	15	8	0	0	8	17	32	13
U. Massachusetts, Dartmouth	92	0	12	3	26	21	1	2	0	18	3	4	3
U. Massachusetts, Lowell	365	0	45	8	180	5	18	*	0	101	6	1	0
U. Massachusetts, Medical School	894	0	618	0	0	0	276	0	0	0	0	0	0
Private	7,974	171	2,695	256	1,500	383	453	112	10	1,411	198	501	283

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Amherst C.	80	0	29	3	0	4	0	2	4	27	4	6	0
Boston C.	164	0	40	*	1	16	4	1	0	57	17	28	0
Boston U.	1,060	0	539	8	161	20	195	4	0	96	17	19	0
Brandeis U.	258	0	117	6	0	0	0	6	0	56	13	58	2
Clark U.	54	0	10	0	0	0	0	0	1	24	7	13	0
Harvard U.	2,520	32	1,165	37	203	136	71	69	0	393	58	297	60
Massachusetts Institute of Technology	1,785	0	251	117	647	47	0	8	0	498	0	32	185
MGH Institute of Health Professions	1	0	1	0	0	0	0	0	0	0	0	0	0
Mount Holyoke C.	44	0	11	2	0	5	0	1	*	13	11	*	0
New England C. of Optometry	6	0	3	0	0	0	3	0	0	0	0	0	0
Northeastern U.	526	0	50	41	187	18	55	2	0	82	30	29	32
Smith C.	96	0	38	4	7	8	2	3	1	16	11	3	4
Tufts U.	742	139	319	9	99	6	109	1	0	43	16	*	0
Wellesley C.	104	0	36	9	2	7	0	3	4	33	7	4	0
Williams C.	40 i	0 i	7 i	3 i	0 i	4 i	0 i	4 i	0 i	12 i	5 i	5 i	0 i
Woods Hole Oceanographic Institution	349	0	60	8	109	112	0	5	0	52	0	4	0
Worcester Polytechnic Institute	143	0	20	9	84	0	15	4	0	8	1	2	0
Michigan	6,997	996	1,819	69	1,224	151	1,088	37	126	882	171	206	228
Public	6,644	996	1,651	59	1,165	145	1,073	34	126	829	159	204	204
Central Michigan U.	296	14	118	5	29	9	36	9	5	32	26	13	0
Eastern Michigan U.	59	0	10	*	19	7	4	1	0	13	2	2	0
Grand Valley State U.	115	0	30	3	46	4	10	0	16	7	0	*	0
Michigan State U.	2,678	968	569	24	206	24	142	11	96	398	41	77	121
Michigan Technological U.	349	0	25	5	210	43	8	2	0	31	2	3	20
Northern Michigan U.	20	0	7	*	0	0	*	0	0	9	*	3	0
Oakland U.	131	0	31	4	19	0	45	*	0	24	8	0	0
Saginaw Valley State U.	32	2	*	1	12	*	10	*	1	5	1	*	0
U. Michigan, Ann Arbor	1,882	12	534	4	449	42	496	5	6	166	28	79	62
U. Michigan, Dearborn	52	0	9	3	31	1	0	*	0	8	0	0	0
Wayne State U.	934	0	276	10	114	10	311	5	2	130	51	27	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	97	0	41	1	28	5	10	*	0	9	1	*	0

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Private	353	0	168	10	60	6	15	3	*	52	12	2	25
Calvin U.	49	0	9	5	13	2	6	*	*	9	2	2	0
Hope C.	97	0	21	2	9	4	7	3	0	19	8	0	25
Kettering U.	58	0	5	3	32	0	0	0	0	19	0	0	0
U. Detroit Mercy	23	0	7	*	6	0	2	0	0	6	2	0	0
Van Andel Research Institute	126	0	126	0	0	0	0	0	0	0	0	0	0
Minnesota	4,224	1,409	535	64	386	210	774	60	253	259	118	133	22
Public	4,078	1,409	502	44	382	194	774	52	250	226	102	122	22
Minnesota State U., Mankato	41	*	6	0	19	2	0	*	*	7	6	1	0
St. Cloud State U.	97	16	11	11	12	1	4	0	6	19	6	11	0
U. Minnesota, Duluth	228	0	17	1	25	20	*	0	135	2	3	2	22
U. Minnesota, Twin Cities	3,712	1,392	468	32	326	171	770	52	109	198	88	107	0
Private	146	0	34	20	4	16	0	8	3	34	15	11	0
Carleton C.	102	0	23	19	0	13	0	7	1	22	9	8	0
Macalester C.	27	0	6	1	0	4	0	1	2	6	5	3	0
U. of St. Thomas (MN)	17	0	5	*	4	0	0	0	0	6	2	0	0
Mississippi	3,514	1,108	775	69	622	78	312	27	126	247	33	104	13
Public	3,510	1,108	773	68	622	78	312	27	126	247	33	104	13
Alcorn State U.	68	20	13	2	5	0	0	3	15	*	*	10	0
Jackson State U.	107	0	12	51	6	2	1	10	0	16	1	*	8
Mississippi State U.	2,191	1,085	97	11	530	28	219	12	18	90	23	78	0
U. Mississippi	505	0	360	*	20	2	73	0	0	45	1	4	0
U. Southern Mississippi	639	2	291	4	60	46	19	3	93	96	7	12	5
Private	3	0	2	1	*	0	0	0	*	*	0	0	0
Tougaloo C.	3	0	2	1	*	0	0	0	*	*	0	0	0
Missouri	3,672	383	1,019	52	446	74	1,194	6	62	289	89	55	2
Public	1,633	383	284	40	299	41	252	3	62	176	59	32	2
Lincoln U., Jefferson City	81	65	4	0	*	0	0	0	10	2	0	0	0
Missouri State U.	115	27	23	1	13	6	14	0	7	16	6	3	0
Missouri U. of Science and Technology	274	0	12	9	185	23	0	*	5	39	1	0	0
U. Missouri, Columbia	828	291	172	22	92	8	123	1	40	49	17	13	0
U. Missouri, Kansas City	206	0	32	6	10	5	111	0	0	28	11	2	2

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U. Missouri, Saint Louis	129	0	40	2	0	0	5	2	0	42	24	14	0
Private	2,039	1	735	12	147	33	942	3	0	113	30	22	0
Saint Louis U.	536	0	179	8	29	12	265	1	0	18	19	4	0
U. of Health Sciences and Pharmacy in St. Louis	28	1	8	0	0	0	18	1	0	*	0	1	0
Washington U., Saint Louis	1,475	0	548	4	118	21	659	1	0	95	11	17	0
Montana	645	205	133	6	80	36	62	5	13	82	1	9	13
Public	645	205	133	6	80	36	62	5	13	82	1	9	13
Montana State U., Bozeman	320	146	35	3	55	7	1	1	7	62	0	4	0
Montana Technological U.	47	0	7	*	25	11	0	2	3	1	0	0	0
U. Montana, Missoula	278	59	92	2	0	19	61	3	4	19	1	6	13
Nebraska	2,427	918	521	21	153	10	534	2	48	115	27	71	7
Public	2,283	918	459	21	153	10	475	1	48	102	24	67	7
U. Nebraska, Kearney	57	3	8	3	10	*	22	1	*	2	4	3	0
U. Nebraska, Lincoln	1,610	915	232	10	125	9	99	0	47	97	12	62	3
U. Nebraska, Medical Center	555	0	197	0	7	0	351	0	0	0	0	0	0
U. Nebraska, Omaha	61	0	22	8	12	0	3	0	0	3	8	2	4
Private	143	0	63	*	0	0	59	1	0	13	3	4	0
Creighton U.	143	0	63	*	0	0	59	1	0	13	3	4	0
Nevada	1,008	107	230	52	160	136	78	*	18	140	32	28	28
Public	957	107	207	52	160	136	49	*	18	140	32	28	28
Desert Research Institute	136	6	20	12	3	87	4	0	1	0	0	3	0
U. Nevada, Las Vegas	263	0	43	20	46	15	39	*	1	43	16	11	28
U. Nevada, Reno	558	102	143	19	111	35	7	0	15	97	16	13	0
Private	52	0	23	0	0	0	29	0	0	0	0	0	0
Roseman U. of Health Sciences	52	0	23	0	0	0	29	0	0	0	0	0	0
New Hampshire	1,142	93	335	44	160	101	146	18	29	112	43	49	11
Public	398	93	64	17	57	82	8	*	18	35	10	6	7
Keene State C.	14	0	4	*	1	0	2	*	2	3	1	1	*
U. New Hampshire	384	93	59	17	57	82	5	*	17	33	9	5	7
Private	744	0	272	27	103	19	138	18	11	76	33	43	3
Dartmouth C.	744	0	272	27	103	19	138	18	11	76	33	43	3
New Jersey	3,522	267	1,014	75	563	108	673	38	46	470	121	117	29

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

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State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Public	2,632	267	792	43	335	52	672	17	44	217	109	55	29
C. New Jersey	109	0	20	3	28	1	2	3	0	23	12	17	0
Kean U.	55	0	18	2	0	0	17	*	1	11	0	0	6
Montclair State U.	82	0	23	8	3	11	4	4	1	17	8	2	2
New Jersey Institute of Technology	139	0	13	6	96	1	0	*	0	25	0	0	0
Rowan U.	161	0	75	1	58	5	4	*	0	15	1	1	0
Rutgers, State U. New Jersey, Camden	77	1	25	10	1	0	5	3	2	20	10	2	0
Rutgers, State U. New Jersey, New Brunswick	1,803	266	563	10	150	30	614	0	35	54	55	26	0
Rutgers, State U. New Jersey, Newark	114	0	33	1	0	2	0	5	0	34	13	5	20
Stockton U.	14	*	5	*	*	2	*	*	2	4	*	*	0
William Paterson U.	78	0	17	3	0	0	26	2	3	14	10	3	*
Private	890	1	222	32	228	55	1	21	2	253	12	61	*
Monmouth U.	13	0	6	*	*	0	0	0	2	4	*	0	0
Princeton U.	791	0	203	28	188	38	0	21	0	239	12	61	0
Stevens Institute of Technology	86	1	13	4	40	17	1	0	*	10	0	0	*
New Mexico	1,316	304	219	51	257	65	202	8	25	103	24	49	9
Public	1,316	304	219	51	257	65	202	8	25	103	24	49	9
New Mexico Highlands U.	93 i	0 i	18 i	4 i	17 i	8 i	8 i	3 i	7 i	16 i	7 i	5 i	0 i
New Mexico Institute of Mining and Technology	86	0	4	4	25	25	0	*	0	27	1	0	0
New Mexico State U.	497	304	25	20	81	1	3	2	13	34	3	9	2
U. New Mexico	641	0	171	23	133	31	191	3	6	26	14	35	7
New York	15,848	980	6,340	280	2,348	502	1,932	139	154	1,977	512	435	248
Public	5,108	14	1,425	115	1,263	211	556	56	45	809	256	262	94
CUNY, Advanced Science Research Center	60	0	23	0	0	*	0	0	9	28	0	0	0
CUNY, Baruch C.	8	0	2	2	0	*	0	0	0	1	2	1	0
CUNY, Brooklyn C.	106	0	38	2	0	11	3	0	0	31	18	3	0
CUNY, C. Staten Island	57	3	15	5	8	0	4	0	1	14	6	0	2
CUNY, City C.	631	0	163	6	158	11	46	8	0	175	22	18	25
CUNY, Graduate Center	54	0	4	1	*	2	0	6	0	5	8	28	0
CUNY, Graduate School of Public Health and Health Policy ^b	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Hunter C.	250	0	36	2	0	8	54	5	0	41	27	65	11

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CUNY, John Jay C. of Criminal Justice	47	2	10	*	0	0	0	0	0	23	6	5	0
CUNY, Lehman C.	15	0	7	*	0	*	*	*	0	5	*	1	0
CUNY, New York City C. of Technology	55	0	4	1	44	1	0	0	0	3	*	0	0
CUNY, Queens C.	124	1	21	3	0	4	10	5	4	30	30	17	0
CUNY, York C.	31	0	4	2	1	*	15	1	0	5	2	1	0
SUNY, Binghamton U.	272	0	19	12	105	8	16	1	*	38	32	20	21
SUNY, Buffalo State	32	0	9	*	0	4	1	0	8	8	3	*	0
SUNY, C. Brockport	6	1	4	*	0	*	*	0	*	*	*	*	0
SUNY, C. of Environmental Science and Forestry	95	8	3	0	36	0	0	0	4	42	0	2	0
SUNY, C. of Optometry	55	0	40	0	0	0	15	0	0	0	0	0	0
SUNY, C. Plattsburgh	3	0	0	0	0	0	1	0	1	*	0	0	0
SUNY, Downstate Medical Center	105	0	84	0	0	0	21	0	0	0	0	0	0
SUNY, Geneseo	34	0	2	0	0	8	0	1	0	11	8	5	0
SUNY, Oswego	39	0	11	1	5	5	0	0	0	10	5	2	0
SUNY, Polytechnic Institute	630	0	6	*	609	0	0	0	*	14	1	0	0
SUNY, Stony Brook U.	1,112	0	386	51	144	106	112	25	8	199	36	33	11
SUNY, U. Albany	212	0	51	8	8	25	7	2	10	33	16	45	8
SUNY, U. Buffalo	794	0	209	18	145	18	242	2	0	93	34	16	16
SUNY, Upstate Medical U.	281	0	273	0	0	0	9	0	0	0	0	0	0
Private	10,740	966	4,915	165	1,085	291	1,376	83	109	1,168	256	173	154
Albany C. of Pharmacy and Health Sciences	20	0	13	0	0	0	7	0	0	0	0	0	0
Albany Medical C.	139	0	0	0	0	0	139	0	0	0	0	0	0
Albert Einstein C. of Medicine	555	0	300	0	0	0	203	0	0	0	0	0	52
Alfred U.	28	0	0	0	28	0	0	0	0	0	0	0	0
Barnard C.	17	0	9	0	0	0	0	0	1	1	6	*	0
Canisius C.	34	0	15	0	0	0	1	0	0	12	2	3	0
Clarkson U.	142	0	14	1	86	0	1	2	2	30	1	0	3
Cold Spring Harbor Laboratory	360	36	311	7	0	0	2	0	0	4	0	0	0
Colgate U.	143	0	32	5	0	25	0	8	5	39	15	13	0
Columbia U. in the City of New York	2,070	0	627	37	261	210	494	27	28	276	53	57	0
Cornell U.	2,117	583	899	12	179	4	15	2	36	296	13	10	68
Fordham U.	83	0	27	5	2	0	0	2	21	13	6	7	0

TABLE 5

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Hobart and William Smith Colleges	26	0	10	*	0	3	0	*	*	8	3	1	0
Icahn School of Medicine at Mount Sinai	760	0	735	25	0	0	0	0	0	0	0	0	0
Ithaca C.	55	3	11	1	2	1	20	0	2	7	8	1	0
Long Island U.	492	326	23	6	1	4	105	7	2	5	8	5	0
Manhattan C.	31 i	0 i	6 i	3 i	0 i	0 i	0 i	4 i	0 i	10 i	5 i	5 i	0 i
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	4	0	4	0	0	0	1	0	0	0	0	0	0
New School	22	0	3	1	0	0	0	0	0	0	7	12	0
New York Institute of Technology	43 i	0 i	11 i	4 i	0 i	0 i	22 i	* i	0 i	5 i	* i	* i	0 i
New York Medical C.	126	0	110	0	0	0	16	0	0	0	0	0	0
New York U.	1,023	0	826	0	72	0	21	2	0	71	17	13	0
Pace U.	16	0	9	2	0	0	1	0	1	2	1	0	0
Rensselaer Polytechnic Institute	277	0	4	7	215	9	0	4	0	16	6	9	6
Rochester Institute of Technology	246	*	6	32	134	*	3	5	*	46	0	2	17
Rockefeller U.	561	0	512	0	0	0	35	0	0	13	0	0	0
Skidmore C.	68	0	23	2	0	4	8	2	2	15	6	6	0
St. John's U., New York	73	0	15	0	0	0	41	0	0	13	5	*	0
Syracuse U.	207	0	41	3	61	16	6	1	0	52	13	6	8
Teachers C., Columbia U.	71	0	10	1	0	0	10	10	0	0	25	15	0
U. Rochester	829	0	289	8	44	11	224	*	0	214	37	2	0
Vassar C.	85	18	16	3	0	4	0	7	10	13	10	5	0
Yeshiva U.	21	0	5	*	0	0	1	0	0	7	8	*	0
North Carolina	9,256	1,439	2,555	127	1,052	222	2,446	116	127	578	166	178	251
Public	5,731	1,436	985	104	947	214	860	112	104	454	109	155	251
Appalachian State U.	27	0	1	*	0	2	10	0	0	8	*	6	0
East Carolina U.	287	0	99	4	3	19	120	0	0	30	5	7	0
Elizabeth City State U.	12	0	5	3	2	1	1	*	0	1	0	0	0
Fayetteville State U.	13	1	4	1	0	1	1	1	0	4	0	0	0
North Carolina Agricultural and Technical State U.	285	55	10	3	83	0	54	30	46	5	0	0	0
North Carolina Central U.	218	0	0	0	0	0	0	0	0	0	0	0	218
North Carolina State U.	2,745	1,307	345	35	665	62	6	62	44	156	12	33	19

TABLE 5

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U. North Carolina, Asheville	31	0	7	1	2	1	1	1	7	9	2	1	0
U. North Carolina, Chapel Hill	1,425	73	417	27	49	32	611	12	0	134	32	39	0
U. North Carolina, Charlotte	316	0	39	22	118	18	19	4	0	60	13	23	0
U. North Carolina, Greensboro	186	0	40	4	0	1	31	2	3	30	21	39	15
U. North Carolina, Wilmington	110	0	7	2	0	73	1	0	*	2	21	4	0
Western Carolina U.	58	0	7	1	24	6	5	0	2	12	*	2	0
Winston-Salem State U.	16 i	0 i	5 i	1 i	* i	* i	* i	* i	2 i	3 i	2 i	1 i	0 i
Private	3,526	3	1,571	23	106	8	1,586	4	22	124	57	23	0
Davidson C.	44	0	9	2	0	0	0	*	1	14	17	*	0
Duke U.	1,022	0	328	7	99	8	430	2	21	94	15	17	0
Johnson C. Smith U.	37 i	0 i	15 i	14 i	0 i	0 i	0 i	2 i	0 i	6 i	* i	* i	0 i
Wake Forest U.	2,423	3	1,218	1	6	0	1,155	0	*	10	24	5	0
North Dakota	1,969	1,370	135	4	253	14	33	0	16	85	17	9	32
Public	1,969	1,370	135	4	253	14	33	0	16	85	17	9	32
North Dakota State U.	1,683	1,370	72	4	89	4	20	0	16	60	11	6	32
U. North Dakota	286	0	62	0	164	10	13	0	0	26	6	4	0
Ohio	7,526	1,279	1,775	88	1,759	170	1,172	44	138	688	218	143	53
Public	6,252	1,279	1,460	86	1,165	158	1,015	41	127	580	191	129	21
Bowling Green State U.	179	0	41	5	3	13	21	23	2	37	23	11	0
Central State U.	65	9	6	5	29	4	0	*	12	*	0	*	0
Cleveland State U.	136	0	26	0	54	0	7	0	0	31	8	10	0
Kent State U.	242	0	61	10	4	10	14	3	0	92	27	21	0
Miami U.	205	0	59	3	13	16	5	*	0	58	24	12	15
Northeast Ohio Medical U.	216	0	197	0	0	0	19	0	0	0	0	0	0
Ohio State U.	3,067	1,259	500	22	402	63	584	3	55	103	51	19	6
Ohio U.	179	0	39	17	52	*	17	1	0	28	7	19	0
U. Akron	335	0	51	1	235	9	1	1	0	29	5	3	0
U. Cincinnati	795	0	234	1	185	19	237	5	0	83	16	16	0
U. Toledo	513	8	146	0	88	21	101	4	45	70	18	12	0
Wright State U.	166	3	73	11	29	0	4	0	12	20	10	2	0
Youngstown State U.	152	0	25	10	70	4	5	1	1	30	2	4	0
Private	1,274	0	315	3	594	12	157	3	11	108	27	14	32

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Case Western Reserve U.	592	0	240	0	109	5	157	1	0	42	5	1	32
Heidelberg U.	9	0	1	0	0	0	0	0	8	0	0	0	0
Oberlin C.	185	0	73	2	0	6	0	2	3	65	22	13	0
U. Dayton	488	0	1	1	484	*	*	0	0	1	*	*	0
Oklahoma	2,237	495	531	29	415	335	56	12	24	219	54	65	1
Public	2,097	494	517	19	345	329	53	10	24	211	38	57	1
Langston U.	87	75	11	0	*	0	0	*	0	0	0	*	0
Oklahoma State U., Center for Health Sciences	62	0	46	0	0	0	6	0	0	0	0	10	0
Oklahoma State U., Stillwater	799	386	155	4	133	17	2	1	15	73	10	2	0
U. Central Oklahoma	33	3	12	3	5	0	1	2	*	4	1	0	1
U. Oklahoma, Norman and Health Science Center	1,089	29	287	12	201	312	37	7	9	133	18	42	0
U. Oklahoma, Tulsa	28	0	5	0	6	0	7	0	0	0	8	2	0
Private	141	2	15	10	70	6	3	3	*	8	16	8	0
U. Tulsa	141	2	15	10	70	6	3	3	*	8	16	8	0
Oregon	2,562	185	762	66	300	154	573	7	88	257	93	66	11
Public	2,438	185	729	62	300	153	550	4	86	219	77	65	9
Oregon Health and Science U.	785	0	256	13	29	0	471	0	2	0	8	6	0
Oregon Institute of Technology	41	0	0	0	37	0	3	0	0	2	0	0	0
Oregon State U.	868	185	165	27	184	110	69	2	69	45	*	12	0
Portland State U.	222	0	65	9	50	3	2	1	12	52	4	21	3
U. Oregon	522	0	242	13	0	41	5	1	3	120	65	27	6
Private	124	0	33	4	0	1	23	3	2	39	17	*	2
Lewis and Clark C.	16	0	7	*	0	1	0	*	0	5	3	0	0
National U. of Natural Medicine	2	0	0	0	0	0	2	0	0	0	0	0	0
Pacific U.	62	0	9	4	0	0	22	3	2	14	7	*	2
Reed C.	44	0	18	0	0	0	0	0	0	19	7	0	0
Pennsylvania	9,610	380	2,875	249	1,896	152	2,184	91	128	1,010	301	330	14
Public	4,940	376	1,388	53	974	89	1,149	36	108	509	131	126	0
Indiana U. Pennsylvania	52	*	11	2	7	4	6	1	3	8	3	7	0
Pennsylvania State U., Behrend	73	0	3	2	58	1	0	1	1	3	0	4	0
Pennsylvania State U., Harrisburg	32	0	4	0	20	0	3	0	4	1	*	0	0

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Pennsylvania State U., University Park and Hershey Medical Center	2,444	373	534	20	653	60	360	18	100	220	41	65	0
Temple U.	453	0	104	6	42	8	169	*	0	76	35	13	0
U. Pittsburgh, Pittsburgh	1,835	3	718	22	191	14	609	15	0	187	45	31	0
West Chester U. Pennsylvania	51	0	13	2	3	2	2	1	0	14	8	5	0
Private	4,671	4	1,487	196	922	63	1,035	55	20	501	169	205	14
Bryn Mawr C.	43	0	8	2	0	5	0	2	0	12	5	9	1
Bucknell U.	81	0	20	1	20	7	0	*	1	20	12	0	0
Carnegie Mellon U.	682	0	64	142	383	0	0	5	0	50	29	8	1
Drexel U.	423	0	132	7	133	0	84	7	13	28	12	1	6
Duquesne U.	387	0	76	5	9	0	134	5	0	100	7	50	0
Franklin and Marshall C.	156	0	45	6	0	19	0	5	2	44	15	20	0
Haverford C.	41	0	9	4	0	2	0	3	0	18	6	0	0
Lafayette C.	120	0	30	3	31	6	0	4	1	10	15	21	0
Lehigh U.	223	0	27	0	136	13	0	0	0	34	12	1	0
Mercyhurst U.	45	0	8	2	0	1	12	*	0	7	2	14	0
Philadelphia C. of Osteopathic Medicine	32	0	27	0	0	0	2	0	0	0	3	0	0
Saint Joseph's U.	26	2	10	0	0	0	0	0	0	10	3	0	0
Swarthmore C.	87	0	35	2	17	0	0	1	0	17	12	2	0
Thomas Jefferson U.	290	0	277	0	0	0	14	*	0	0	*	0	0
U. of the Sciences Philadelphia	66	0	25	2	0	0	16	15	0	7	1	0	0
U. Pennsylvania	1,867	2	674	19	149	8	771	6	0	129	28	77	4
Villanova U.	103	0	20	2	43	2	3	1	3	16	7	3	3
Rhode Island	701	29	208	13	109	101	64	20	37	67	32	13	8
Public	287	26	58	1	26	86	19	*	34	17	3	8	8
Rhode Island C.	15	*	9	0	0	*	0	0	0	3	2	0	0
U. Rhode Island	272	26	49	1	26	86	19	*	34	14	1	8	8
Private	414	3	149	12	83	14	45	20	3	49	29	6	0
Brown U.	360	0	132	12	76	12	44	20	3	36	20	5	0
Providence C.	39	0	14	0	5	0	0	0	0	12	8	0	0
Roger Williams U.	15	3	3	0	3	3	1	*	*	2	*	*	0
South Carolina	2,548	169	660	44	609	138	478	23	23	253	73	65	12

TABLE 5

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Public	2,458	168	632	42	608	130	475	21	22	214	68	65	12
C. Charleston	48	0	14	2	0	8	1	0	1	13	7	1	0
Clemson U.	817	167	91	13	368	28	5	16	19	80	6	12	12
Coastal Carolina U.	40	0	7	0	2	19	1	1	*	7	2	1	0
Medical U. South Carolina	706	0	373	0	20	0	313	0	0	0	0	0	0
South Carolina State U.	48 i	0 i	10 i	6 i	20 i	2 i	* i	1 i	0 i	6 i	1 i	2 i	0 i
U. South Carolina, Aiken	38	0	9	1	1	2	10	1	0	6	4	4	0
U. South Carolina, Columbia	745	0	123	19	197	71	142	3	1	99	47	44	0
Winthrop U.	17	*	5	2	0	*	2	*	1	3	1	2	0
Private	90	2	28	2	1	9	3	1	1	39	5	0	0
Claffin U.	23	2	13	2	1	1	0	1	1	3	0	0	0
Furman U.	67	0	15	0	0	7	3	*	0	36	5	0	0
South Dakota	850	492	94	16	113	20	13	*	27	58	9	7	0
Public	838	491	90	16	113	20	12	0	27	54	9	6	0
Black Hills State U.	12	2	4	0	0	1	0	0	0	5	2	0	0
Dakota State U.	17	*	1	15	0	0	*	0	0	1	0	*	0
South Dakota School of Mines and Technology	83	0	3	1	60	5	0	0	0	14	0	0	0
South Dakota State U.	655	489	46	*	45	7	12	0	27	24	2	2	0
U. South Dakota	71	0	37	0	7	7	0	0	0	11	6	4	0
Private	11	1	4	0	0	0	1	*	0	4	0	1	0
Augustana U.	11	1	4	0	0	0	1	*	0	4	0	1	0
Tennessee	4,042	1,112	1,119	96	546	35	645	26	52	262	66	55	28
Public	2,708	1,112	583	96	415	29	99	25	52	177	43	49	28
Austin Peay State U.	10	1	2	*	2	1	2	1	1	1	1	1	0
East Tennessee State U.	185	3	108	0	5	4	27	13	5	12	3	4	0
Middle Tennessee State U.	58	3	24	0	3	2	2	0	0	17	3	2	2
Tennessee State U.	160	127	24	0	3	0	0	0	0	6	0	0	0
Tennessee Technological U.	106	3	9	5	54	2	*	3	6	22	2	*	0
U. Memphis	298	8	57	23	42	20	19	7	0	46	29	31	17
U. Tennessee, Chattanooga	106	0	24	25	38	0	9	0	0	6	3	2	0
U. Tennessee, Health Science Center	338	0	277	19	1	0	40	0	0	0	0	0	0
U. Tennessee, Knoxville	1,447	968	58	24	267	0	0	1	40	67	3	9	10

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Texas Medical Branch	448	0	341	0	0	0	107	0	0	0	0	0	0
U. Texas Rio Grande Valley	203	2	51	4	32	15	49	0	0	45	4	*	0
U. Texas Southwestern Medical Center	1,255	0	689	0	3	0	562	0	0	0	1	0	0
U. Texas, Arlington	515	0	83	41	205	14	56	2	0	98	15	1	0
U. Texas, Austin	1,463	0	204	41	469	42	83	3	0	158	36	26	402
U. Texas, Dallas	661	0	134	22	303	27	18	*	0	116	11	8	22
U. Texas, El Paso	362	0	86	12	107	20	15	4	8	40	18	10	43
U. Texas, San Antonio	234	9	24	7	86	9	0	2	9	46	14	28	0
U. Texas, Tyler	36	0	16	0	9	0	7	0	0	3	1	0	0
West Texas A&M U.	92	52	12	1	16	1	1	*	4	3	2	0	0
Private	2,038	15	1,026	64	264	82	139	38	18	263	55	54	20
Abilene Christian U.	13	1	2	2	4	0	1	1	1	2	0	0	0
Baylor C. of Medicine	927	0	825	0	0	0	103	0	0	0	0	0	0
Baylor U.	275	1	59	4	50	31	20	9	7	73	8	13	0
Rice U.	340	0	50	7	148	11	0	7	0	84	6	6	20
Southern Methodist U.	174	0	23	28	45	21	6	1	0	30	8	13	0
St. Edward's U.	98	2	20	15	0	2	0	15	4	20	10	10	0
Texas Christian U.	108	3	14	3	12	14	10	3	5	28	15	2	0
Trinity U.	50	7	15	1	5	3	0	*	*	11	4	4	0
U. of the Incarnate Word	52 i	0 i	19 i	5 i	0 i	0 i	* i	3 i	0 i	15 i	5 i	6 i	0 i
Utah	2,874	330	574	63	641	95	681	2	112	273	40	49	13
Public	2,520	330	511	58	556	82	666	2	55	194	30	35	2
U. Utah	1,718	0	449	55	229	79	657	2	0	185	27	33	2
Utah State U.	802	330	63	2	327	3	9	*	55	9	3	2	0
Private	354	0	63	5	85	13	16	*	57	80	11	14	12
Brigham Young U., Provo	354	0	63	5	85	13	16	*	57	80	11	14	12
Vermont	420	19	151	3	27	16	98	2	20	35	19	9	21
Public	347	19	126	2	27	7	98	1	17	17	8	3	21
U. Vermont	347	19	126	2	27	7	98	1	17	17	8	3	21
Private	73	0	25	1	0	9	0	1	3	18	11	6	0
Middlebury C.	73	0	25	1	0	9	0	1	3	18	11	6	0
Virginia	5,288	609	1,158	125	1,019	257	1,144	32	153	470	153	94	74

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other	
Public	4,971	609	1,043	96	983	254	1,096	28	153	415	144	76	74	
Christopher Newport U.	33	1	15	3	1	0	0	*	0	2	10	1	0	
Eastern Virginia Medical School	126	0	120	0	0	0	7	0	0	0	0	0	0	
George Mason U.	352	0	104	32	50	19	24	18	19	36	23	27	0	
James Madison U.	122	0	27	1	4	6	17	3	0	44	9	1	9	
Norfolk State U.	69	0	7	8	32	0	0	0	0	22	0	0	0	
Old Dominion U.	261	9	36	5	64	42	10	0	0	50	11	2	32	
U. Virginia, Charlottesville	1,262	87	247	24	212	0	456	7	52	122	39	15	0	
Virginia Commonwealth U.	702	0	237	13	107	0	270	0	3	34	26	9	2	
Virginia Polytechnic Institute and State U.	1,659	455	205	7	507	19	307	1	71	59	9	2	15	
Virginia State U.	70	57	3	1	4	0	0	0	0	*	4	0	0	
William & Mary	315	0	42	2	0	167	3	0	8	47	12	19	15	
Private	317	0	116	29	36	3	48	3	0	55	8	18	0	
Edward Via C. of Osteopathic Medicine	34	0	24	1	0	0	10	0	0	0	0	0	0	
Hampton U.	11	0	2	0	0	3	2	0	0	4	0	0	0	
Liberty U.	149	0	51	25	36	0	37	0	0	0	0	0	0	
U. Richmond	123	0	40	4	0	0	0	3	0	50	8	18	0	
Washington	4,768	1,202	820	77	681	186	1,151	11	119	346	89	65	23	
Public	4,768	1,202	820	77	681	186	1,151	11	119	346	89	65	23	
Central Washington U.	48	0	8	2	1	10	1	0	0	8	10	7	0	
Eastern Washington U.	86	0	25	8	15	10	6	2	3	17	0	0	0	
Northwest Indian C.	7	1	2	1	1	2	0	0	1	*	0	0	0	
U. Washington, Bothell	11	5	*	1	2	2	*	*	*	2	0	*	0	
U. Washington, Seattle	2,142	0	397	39	392	120	883	0	78	164	28	18	22	
U. Washington, Tacoma	12	0	2	2	1	0	0	1	5	0	1	1	0	
Washington State U.	2,332	1,196	357	18	259	24	250	6	23	126	39	34	0	
Western Washington U.	129	0	27	7	11	19	9	2	9	29	11	5	1	
West Virginia	1,120	255	281	16	161	11	175	10	49	91	13	27	31	
Public	1,120	255	281	16	161	11	175	10	49	91	13	27	31	
Marshall U.	231	2	97	2	47	3	27	4	0	22	2	7	17	
West Virginia School of Osteopathic Medicine	232	i	0	i	100	i	8	i	0	i	22	i	8	i
West Virginia State U.	43	21	9	3	2	1	0	3	5	1	0	0	0	

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
West Virginia U.	613	231	75	3	112	8	64	1	45	46	3	12	14
Wisconsin	4,697	463	1,237	65	648	258	863	22	67	559	204	160	152
Public	4,087	461	1,037	62	579	258	673	18	65	537	197	155	44
U. Wisconsin-Eau Claire	75	0	15	2	3	5	13	4	1	18	7	7	0
U. Wisconsin-Green Bay	26	5	10	1	1	1	0	0	2	5	1	0	0
U. Wisconsin-La Crosse	28	1	5	*	0	1	3	0	3	10	2	2	0
U. Wisconsin-Madison	3,272	449	885	31	444	129	609	7	41	383	149	103	42
U. Wisconsin-Milwaukee	443	0	52	22	108	105	35	3	0	72	23	23	0
U. Wisconsin-Oshkosh	97	4	31	1	7	6	5	*	5	13	8	15	3
U. Wisconsin-Stevens Point	50	3	21	0	0	2	0	*	3	20	1	0	0
U. Wisconsin-Superior	95 i	0 i	18 i	4 i	17 i	8 i	8 i	3 i	10 i	15 i	7 i	5 i	0 i
Private	610	2	199	3	70	0	190	4	2	22	7	5	108
Marquette U.	134	2	34	3	33	0	11	4	0	20	6	5	15
Medical C. Wisconsin	452	0	164	0	17	0	179	0	0	0	0	0	93
Milwaukee School of Engineering	20	0	1	0	19	0	0	0	0	0	0	0	0
Northland C.	4	0	0	0	0	0	0	0	2	2	*	0	0
Wyoming	779	217	115	5	172	73	34	8	46	53	16	38	0
Public	779	217	115	5	172	73	34	8	46	53	16	38	0
U. Wyoming	779	217	115	5	172	73	34	8	46	53	16	38	0
American Samoa	8	4	2	0	0	0	0	0	0	0	0	1	1
Public	8	4	2	0	0	0	0	0	0	0	0	1	1
American Samoa Community C.	8	4	2	0	0	0	0	0	0	0	0	1	1
Guam	102	51	11	5	0	7	6	7	12	2	2	0	0
Public	102	51	11	5	0	7	6	7	12	2	2	0	0
U. Guam	102	51	11	5	0	7	6	7	12	2	2	0	0
Puerto Rico	959	62	493	6	93	36	90	7	9	129	27	6	1
Public	869	62	436	6	75	36	84	7	9	128	20	6	1
U. Puerto Rico, Cayey	14	0	5	0	0	0	0	1	0	6	0	2	0
U. Puerto Rico, Humacao	31	1	12	0	3	*	0	1	1	12	0	*	1
U. Puerto Rico, Mayaguez	258	61	34	1	70	33	0	2	0	54	1	1	0
U. Puerto Rico, Medical Sciences Campus	431	0	345	0	0	0	81	0	0	0	5	0	0
U. Puerto Rico, Rio Piedras	135	0	40	5	1	2	3	3	8	56	15	3	0

TABLE 5

Science and engineering research space in academic institutions, by state or territory, control, institution, and field: FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Private	90	0	57	0	18	0	6	0	0	1	7	0	0
Carlos Albizu U.	*	0	0	0	0	0	*	0	0	0	*	0	0
Ponce Health Sciences U.	36	0	29	0	0	0	3	0	0	0	5	0	0
U. Ana G. Mendez, Gurabo	24	0	1	0	18	0	2	0	0	1	2	0	0
U. Central del Caribe	29	0	27	0	0	0	2	0	0	0	*	0	0
Virgin Islands	15	2	*	*	*	2	0	*	2	7	*	*	0
Public	15	2	*	*	*	2	0	*	2	7	*	*	0
U. of the Virgin Islands	15	2	*	*	*	2	0	*	2	7	*	*	0

* = value > 0 but < 500 net assignable square feet; i = imputed.

^a The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^b CUNY Graduate School of Public Health and Health Policy uses science and engineering research space that is owned and administered by other CUNY institutions. Therefore, no research space is reported for this institution.

^c Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

Note(s):

Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 6

Academic institutions with science and engineering research space shared with other fields or used for purposes other than research, by field: FY 2021

(Number and percent)

Field	Institutions with research space (number) ^a	Institutions with research space shared with other fields		Institutions with research space also used for nonresearch purposes	
		Number	Percent	Number	Percent
All research space	564	325	58	363	64
Agricultural sciences	209	76	36	106	51
Biological and biomedical sciences	552	234	42	288	52
Computer and information sciences	437	129	30	237	54
Engineering	396	159	40	227	57
Geosciences, atmospheric sciences, and ocean sciences	370	104	28	193	52
Health sciences	429	147	34	231	54
Mathematics and statistics	372	81	22	205	55
Natural resources and conservation	281	102	36	143	51
Physical sciences	484	172	36	267	55
Psychology	446	88	20	221	50
Social sciences	414	101	24	220	53
Other	158	76	48	79	50

^a Includes only those institutions that reported on shared space.**Note(s):**

Institutions were asked to indicate whether any of the net assignable square feet of research space reported in individual field totals was shared with other fields or used for purposes other than research. Percentages are based on the number of institutions with research space in each field of science and engineering. One institution did not respond to the item asking about shared space with other fields for the field of "Other"; therefore, the percentage for that item is based on 157 institutions, while the percentage reporting on research space used for nonresearch purposes is based on 158 institutions.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 7

Academic institutions with science and engineering research space shared with other fields or used for purposes other than research, by type of institution: FY 2021

(Number and percent)

Type of institution	Institutions with research space (number) ^a	Institutions with research space shared with other fields		Institutions with research space also used for nonresearch purposes	
		Number	Percent	Number	Percent
All institutions	564	325	58	363	64
Doctorate granting	439	257	59	279	64
Public	303	179	59	189	62
Private	136	78	57	90	66
Nondoctorate granting	125	68	54	84	67

^a Includes only those institutions that reported on shared space.**Note(s):**

Institutions were asked to indicate whether any of the net assignable square feet of research space reported in individual field totals was shared with other fields or used for purposes other than research.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 8

New construction of science and engineering research space in academic institutions, by type of institution and time of construction: FYs 2006–23

(Net assignable square feet in millions)

Type of institution	Started in FY 2006 or FY 2007		Started in FY 2008 or FY 2009		Started in FY 2010 or FY 2011		Started in FY 2012 or FY 2013		Started in FY 2014 or FY 2015		Started in FY 2016 or FY 2017		Started in FY 2018 or FY 2019		Started in FY 2020 or FY 2021		Planned to start in FY 2022 or FY 2023	
	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF
All institutions	163	8.8	170	9.9	165	8.1	139	6.6	125	5.1	157	6.7	155	5.6	104	4.0	149	10.6
Doctorate granting	142	8.4	140	9.3	148	7.8	117	6.3	113	4.8	137	6.4	132	5.0	98	4.0	131	10.3
Public	104	6.2	106	7.0	117	6.7	82	4.6	85	3.6	109	4.8	106	4.3	74	2.8	106	7.0
Private	37	2.2	34	2.3	31	1.1	35	1.7	28	1.2	28	1.6	26	0.7	24	1.2	25	3.3
Nondoctorate granting	22	0.4	30	0.5	18	0.2	22	0.3	12	0.3	20	0.3	23	0.5	6	0.1	18	0.3
Medical schools ^a	34	2.5	35	2.5	34	2.3	23	1.3	17	0.8	17	0.9	14	0.9	11	0.5	20	2.2

NASF = net assignable square feet.

^a Medical schools are listed separately and are also included in individual institution totals.**Note(s):**

Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 9
New construction of science and engineering research space in academic institutions, by field, research animal space, and time of construction: FYs 2006–23

(Net assignable square feet in millions)

Field and research animal space	Started in FY 2006 or FY 2007		Started in FY 2008 or FY 2009		Started in FY 2010 or FY 2011		Started in FY 2012 or FY 2013		Started in FY 2014 or FY 2015		Started in FY 2016 or FY 2017		Started in FY 2018 or FY 2019		Started in FY 2020 or FY 2021		Planned to start in FY 2022 or FY 2023	
	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF	Number of institutions	Total NASF
All research space	163	8.8	170	9.9	165	8.1	139	6.6	125	5.1	157	6.7	155	5.6	104	4.0	149	10.6
Agricultural sciences	30	0.5	26	0.4	30	0.4	24	0.4	21	0.4	24	0.2	27	0.6	24	0.5	20	0.6
Biological and biomedical sciences	87	2.9	79	3.5	68	2.0	54	2.0	35	1.5	59	1.9	50	1.0	27	1.0	45	3.0
Computer and information sciences	16	0.6	16	0.3	16	0.1	20	0.2	6	0.1	22	0.3	26	0.2	13	0.2	23	0.9
Engineering	50	1.3	56	2.1	54	1.3	54	1.4	43	0.9	57	1.4	60	1.5	40	1.0	60	2.2
Geosciences, atmospheric sciences, and ocean sciences	11	0.3	13	0.1	18	0.3	21	0.2	12	0.2	12	0.1	12	0.1	13	0.1	15	0.3
Health sciences	38	1.7	61	1.9	40	2.8	42	1.6	38	1.0	42	1.4	45	1.3	20	0.5	40	2.5
Mathematics and statistics	3	*	1	*	5	*	5	*	5	*	10	*	3	*	4	0.1	6	0.1
Natural resources and conservation	na	na	na	na	na	na	na	na	5	*	11	0.1	6	*	7	0.1	8	*
Physical sciences	42	0.7	39	0.9	35	0.6	21	0.6	31	0.7	35	0.6	31	0.5	12	0.3	26	0.6
Psychology	8	0.1	14	0.3	14	0.1	5	*	7	0.1	9	0.1	4	*	3	*	7	0.1
Social sciences	8	0.1	10	0.2	8	0.1	6	0.1	3	*	11	0.2	7	*	7	0.1	5	0.1
Other	15	0.7	17	0.3	11	0.3	13	0.1	8	0.2	10	0.3	9	0.2	4	0.1	10	0.1
Research animal space ^a	54	1.0	63	0.8	42	0.6	36	0.7	33	0.5	42	0.4	35	0.5	21	0.3	na	na

* = value > 0 but < 50,000 net assignable square feet. na = not applicable; see notes below.

NASF = net assignable square feet.

^a Research animal space is listed separately and is also included in individual field totals.

Note(s):

In FY 2015, "Agricultural sciences and natural resources sciences" was split into "Agricultural sciences" and "Natural resources and conservation." Prior to FY 2015, data for "Natural resources and conservation" are included in "Agricultural sciences." For details on field changes in FY 2021, see "Changes in the questionnaire" in the ["Technical Notes"](#) section. Data are not collected on planned new construction of research animal space. Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 10

New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. California, San Francisco	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Santa Barbara	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Santa Cruz	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Azusa Pacific U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Biola U.	0	0	0	0	0	0	0	0	0	0	0	0	0
California Institute of Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Chapman U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont McKenna C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Fielding Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Harvey Mudd C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Keck Graduate Institute	0	0	0	0	0	0	0	0	0	0	0	0	0
Loma Linda U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Loyola Marymount U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Marshall B. Ketchum U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Occidental C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pepperdine U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomona C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Scripps C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Scripps Research Institute	0	0	0	0	0	0	0	0	0	0	0	0	0
Stanford U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Touro U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Diego	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Francisco	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Southern California	0	0	0	0	0	0	0	0	0	0	0	0	0
Western U. of Health Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado	4	0	0	0	0	0	4	0	0	0	0	0	0
Public	4	0	0	0	0	0	4	0	0	0	0	0	0

TABLE 10

New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Colorado School of Mines	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado State U., Fort Collins	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado State U., Pueblo	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Fort Lewis C.	4	0	0	0	0	0	4	0	0	0	0	0	0
U. Colorado Boulder	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Colorado Colorado Springs	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Colorado Denver and Anschutz Medical Campus	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Northern Colorado	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Denver	0	0	0	0	0	0	0	0	0	0	0	0	0
Connecticut	85	0	0	0	0	0	24	0	0	50	0	12	0
Public	73	0	0	0	0	0	24	0	0	50	0	0	0
Eastern Connecticut State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Connecticut State U.	24	0	0	0	0	0	24	0	0	0	0	0	0
U. Connecticut	50	0	0	0	0	0	0	0	0	50	0	0	0
Private	12	0	0	0	0	0	0	0	0	0	0	12	0
Connecticut C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Trinity C., Hartford	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Hartford	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Haven	0	0	0	0	0	0	0	0	0	0	0	0	0
Wesleyan U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Yale U.	12	0	0	0	0	0	0	0	0	0	0	12	0
Delaware	4	0	4	0	0	0	0	0	0	0	0	0	0
Public	4	0	4	0	0	0	0	0	0	0	0	0	0
Delaware State U.	4	0	4	0	0	0	0	0	0	0	0	0	0
U. Delaware	0	0	0	0	0	0	0	0	0	0	0	0	0
District of Columbia	36	0	0	0	0	0	32	0	0	0	0	4	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the District of Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	36	0	0	0	0	0	32	0	0	0	0	4	0
American U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Catholic U. of America	31	0	0	0	0	0	31	0	0	0	0	0	0

TABLE 10
New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Kansas State U.	5	5	0	0	0	0	0	0	0	0	0	0	0
Pittsburg State U.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
U. Kansas	0	0	0	0	0	0	0	0	0	0	0	0	0
Wichita State U.	25	0	0	0	25	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0	0	0	0	0	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Morehead State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Murray State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern Kentucky U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Kentucky	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Louisville	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Kentucky U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	53	14	0	6	2	0	0	0	0	0	0	0	31
Public	22	14	0	6	2	0	0	0	0	0	0	0	0
Louisiana State U., Baton Rouge	14	14	0	0	0	0	0	0	0	0	0	0	0
Louisiana State U., Health Sciences Center, New Orleans	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana State U., Health Sciences Center, Shreveport	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana Tech U.	8	0	0	6	2	0	0	0	0	0	0	0	0
Northwestern State U. Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Louisiana U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern U. and A&M C., Agricultural Research and Extension Center	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Louisiana, Lafayette	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Louisiana, Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Orleans	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	31	0	0	0	0	0	0	0	0	0	0	0	31
Dillard U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Tulane U.	31	0	0	0	0	0	0	0	0	0	0	0	31
Xavier U. Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Maine	28	0	0	0	27	1	0	0	0	0	0	0	0

TABLE 10
New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Public	27	0	0	0	27	0	0	0	0	0	0	0	0
U. Maine	27	0	0	0	27	0	0	0	0	0	0	0	0
U. Southern Maine	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	1	0	0	0	0	1	0	0	0	0	0	0	0
Bates C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bowdoin C.	1	0	0	0	0	1	0	0	0	0	0	0	0
Colby C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New England	0	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	87	0	0	0	22	9	0	0	0	56	0	0	0
Public	85	0	0	0	21	9	0	0	0	56	0	0	0
Bowie State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Morgan State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Salisbury U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Towson U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Baltimore	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Maryland ^a	77	0	0	0	21	0	0	0	0	56	0	0	0
U. Maryland Center for Environmental Science	9	0	0	0	0	9	0	0	0	0	0	0	0
U. Maryland, Baltimore County	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Maryland, Eastern Shore	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	2	0	0	0	2	0	0	0	0	0	0	0	0
Johns Hopkins U.	2	0	0	0	2	0	0	0	0	0	0	0	0
Massachusetts	679	0	244	176	97	16	4	45	2	36	14	7	37
Public	222	0	222	0	0	0	0	0	0	0	0	0	0
Framingham State U.	0	i	0	i	0	i	0	i	0	i	0	i	0
U. Massachusetts, Amherst	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Boston	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Dartmouth	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Lowell	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Medical School	222	0	222	0	0	0	0	0	0	0	0	0	0
Private	457	0	22	176	97	16	4	45	2	36	14	7	37
Amherst C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Boston C.	31	0	4	4	4	5	4	0	0	10	0	0	0

TABLE 10
New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Hope C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Kettering U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Detroit Mercy	0	0	0	0	0	0	0	0	0	0	0	0	0
Van Andel Research Institute	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	20	0	0	0	0	0	20	0	0	0	0	0	0
Public	20	0	0	0	0	0	20	0	0	0	0	0	0
Minnesota State U., Mankato	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Cloud State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Minnesota, Duluth	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Minnesota, Twin Cities	20	0	0	0	0	0	20	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Carleton C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Macalester C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of St. Thomas (MN)	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi	9	0	2	0	0	0	0	0	8	0	0	0	0
Public	9	0	2	0	0	0	0	0	8	0	0	0	0
Alcorn State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi State U.	8	0	0	0	0	0	0	0	8	0	0	0	0
U. Mississippi	2	0	2	0	0	0	0	0	0	0	0	0	0
U. Southern Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Tougaloo C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	300	6	142	0	0	0	152	0	0	0	0	0	0
Public	16	6	0	0	0	0	10	0	0	0	0	0	0
Lincoln U., Jefferson City	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri U. of Science and Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Missouri, Columbia	16	6	0	0	0	0	10	0	0	0	0	0	0
U. Missouri, Kansas City	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Missouri, Saint Louis	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	284	0	142	0	0	0	142	0	0	0	0	0	0

TABLE 10

New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Central del Caribe	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0	0	0	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the Virgin Islands	0	0	0	0	0	0	0	0	0	0	0	0	0

* = value > 0 but < 500 net assignable square feet; i = imputed.

^a The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^b Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

Note(s):

Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 11
New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023
 (Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
California	1,646	33	436	219	141	1	690	1	*	45	74	0	6
Public	1,055	33	20	219	74	*	632	1	*	1	74	0	0
California Polytechnic State U., San Luis Obispo	33	33	0	0	0	0	0	0	0	0	0	0	0
California State Polytechnic U., Pomona	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Channel Islands	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Chico	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Dominguez Hills	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., East Bay	6	0	3	*	1	*	0	1	*	1	0	0	0
California State U., Fresno	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Fullerton	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Long Beach	83	0	0	0	0	0	83	0	0	0	0	0	0
California State U., Los Angeles	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Maritime Academy	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Monterey Bay	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Northridge	8	0	0	0	8	0	0	0	0	0	0	0	0
California State U., Sacramento	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., San Bernardino	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., San Marcos	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Stanislaus	0	0	0	0	0	0	0	0	0	0	0	0	0
Humboldt State U.	105	0	0	40	65	0	0	0	0	0	0	0	0
San Diego State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
San Francisco State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
San Jose State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Sonoma State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Berkeley	179	0	0	179	0	0	0	0	0	0	0	0	0
U. California, Davis	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Irvine	105	0	17	0	0	0	88	0	0	0	0	0	0
U. California, Los Angeles	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Merced	185	0	0	0	0	0	111	0	0	0	74	0	0
U. California, Riverside	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, San Diego	80	0	0	0	0	0	80	0	0	0	0	0	0

TABLE 11
New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023
 (Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. California, San Francisco	270	0	0	0	0	0	270	0	0	0	0	0	0
U. California, Santa Barbara	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Santa Cruz	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	591	0	416	0	67	1	58	0	0	43	0	0	6
Azusa Pacific U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Biola U.	0	0	0	0	0	0	0	0	0	0	0	0	0
California Institute of Technology	43	0	0	0	0	0	0	0	0	43	0	0	0
Chapman U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont McKenna C.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Fielding Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Harvey Mudd C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Keck Graduate Institute	0	0	0	0	0	0	0	0	0	0	0	0	0
Loma Linda U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Loyola Marymount U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Marshall B. Ketchum U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Occidental C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pepperdine U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomona C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Scripps C.	1	0	1	0	0	0	0	0	0	0	0	0	0
Scripps Research Institute	85	0	85	0	0	0	0	0	0	0	0	0	0
Stanford U.	119	0	0	0	57	0	56	0	0	0	0	0	6
Touro U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Diego	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Francisco	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Southern California	342	0	330	0	10	1	1	0	0	0	0	0	0
Western U. of Health Sciences	1	0	1	0	0	0	0	0	0	0	0	0	0
Colorado	127	11	0	0	36	0	0	0	0	80	0	0	0
Public	127	11	0	0	36	0	0	0	0	80	0	0	0

TABLE 11
New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Pittsburgh, Pittsburgh	12	0	0	0	12	0	0	0	0	0	0	0	0
West Chester U. Pennsylvania	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	823	0	452	131	185	0	0	0	0	39	0	16	0
Bryn Mawr C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bucknell U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Carnegie Mellon U.	141	0	33	35	35	0	0	0	0	39	0	0	0
Drexel U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Duquesne U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Franklin and Marshall C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Haverford C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Lafayette C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Lehigh U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Mercyhurst U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Saint Joseph's U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Swarthmore C.	17	0	0	17	0	0	0	0	0	0	0	0	0
Thomas Jefferson U.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
U. of the Sciences Philadelphia	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Pennsylvania	616	0	420	80	100	0	0	0	0	0	0	16	0
Villanova U.	50	0	0	0	50	0	0	0	0	0	0	0	0
Rhode Island	27	0	0	0	8	13	0	0	0	6	0	0	1
Public	26	0	0	0	8	13	0	0	0	6	0	0	0
Rhode Island C.	6	0	0	0	0	0	0	0	0	6	0	0	0
U. Rhode Island	21	0	0	0	8	13	0	0	0	0	0	0	0
Private	1	0	0	0	0	0	0	0	0	0	0	0	1
Brown U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Providence C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Roger Williams U.	1	0	0	0	0	0	0	0	0	0	0	0	1
South Carolina	68	0	0	1	2	0	0	0	14	52	0	0	0
Public	68	0	0	1	2	0	0	0	14	52	0	0	0
C. Charleston	0	0	0	0	0	0	0	0	0	0	0	0	0
Clemson U.	65	0	0	0	0	0	0	0	14	52	0	0	0

TABLE 11
New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023
 (Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Vanderbilt U. and Vanderbilt U. Medical Center ^b	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas	1,446	0	769	54	182	7	330	54	0	33	6	0	12
Public	1,340	0	709	54	156	7	310	54	0	33	6	0	12
Lamar U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Prairie View A&M U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Sam Houston State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephen F. Austin State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Sul Ross State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Tarleton State U.	9	0	0	0	0	0	0	0	0	0	0	0	9
Texas A&M International U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U., College Station and Health Science Center	95	0	80	0	15	0	0	0	0	0	0	0	0
Texas A&M U.-Commerce	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U.-Corpus Christi	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U.-Kingsville	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Southern U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Tech U.	29	0	0	0	0	7	0	0	0	14	6	0	2
Texas Tech U., Health Sciences Center	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Tech U., Health Sciences Center, El Paso	53	0	0	0	0	0	53	0	0	0	0	0	0
Texas Woman's U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Houston	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Houston-Clear Lake	0	0	0	0	0	0	0	0	0	0	0	0	0
U. North Texas, Denton	75	0	19	0	38	0	0	0	0	19	0	0	1
U. North Texas, Health Science Center	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas Health Science Center, Houston	187	0	0	0	0	0	187	0	0	0	0	0	0
U. Texas Health Science Center, San Antonio	23	0	0	0	0	0	23	0	0	0	0	0	0
U. Texas Health Science Center, Tyler	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas M. D. Anderson Cancer Center	564	0	564	0	0	0	0	0	0	0	0	0	0
U. Texas Medical Branch	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas Rio Grande Valley	20	0	9	0	0	0	11	0	0	0	0	0	0
U. Texas Southwestern Medical Center	74	0	37	0	0	0	37	0	0	0	0	0	0

TABLE 11
New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
George Mason U.	0	0	0	0	0	0	0	0	0	0	0	0	0
James Madison U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Norfolk State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Old Dominion U.	126	0	0	0	0	0	126	0	0	0	0	0	0
U. Virginia, Charlottesville	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Commonwealth U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Polytechnic Institute and State U.	14	0	0	0	14	0	0	0	0	0	0	0	0
Virginia State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
William & Mary	57	0	0	5	5	40	5	3	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Edward Via C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Hampton U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Liberty U.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
U. Richmond	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	112	0	37	0	75	0	0	0	0	0	0	0	0
Public	112	0	37	0	75	0	0	0	0	0	0	0	0
Central Washington U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern Washington U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Northwest Indian C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Washington, Bothell	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Washington, Seattle	75	0	0	0	75	0	0	0	0	0	0	0	0
U. Washington, Tacoma	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington State U.	37	0	37	0	0	0	0	0	0	0	0	0	0
Western Washington U.	0	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0	0	0	0	0	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
Marshall U.	0	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia School of Osteopathic Medicine	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
West Virginia State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	239	0	116	42	2	1	0	1	0	77	0	0	0
Public	139	0	16	42	2	1	0	1	0	77	0	0	0

TABLE 11
New construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Net assignable square feet in thousands)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Ana G. Mendez, Gurabo	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Central del Caribe	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	6	0	6	0	0	0	0	0	0	0	0	0	0
Public	6	0	6	0	0	0	0	0	0	0	0	0	0
U. of the Virgin Islands	6	0	6	0	0	0	0	0	0	0	0	0	0

* = value > 0 but < 500 net assignable square feet; i = imputed.

^a The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^b Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

Note(s):

Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 12

Costs for new construction of science and engineering research space in academic institutions, by field, research animal space, and time of construction: FYs 2006–23

(Costs in millions of dollars)

Field and research animal space	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
All research space	5,923.5	7,336.0	6,396.2	5,432.5	5,679.5	5,929.3	5,138.7	4,477.1	12,802.2	8,369.9	1,044.2
Agricultural sciences	143.6	154.1	199.3	154.8	106.8	96.8	313.5	417.5	562.2	621.3	55.9
Biological and biomedical sciences	2,092.9	3,256.6	1,579.7	1,847.3	2,047.3	1,943.9	1,065.0	1,098.1	3,489.4	1,175.5	202.4
Computer and information sciences	296.0	175.1	64.8	171.6	95.6	223.4	189.5	406.2	1,321.1	418.8	123.5
Engineering	734.9	1,121.7	944.8	1,164.6	891.2	1,368.2	1,437.7	1,006.3	2,594.5	2,396.7	9.0
Geosciences, atmospheric sciences, and ocean sciences	94.9	44.6	225.7	161.7	119.7	92.2	75.6	160.3	560.6	452.9	236.0
Health sciences	1,276.9	1,332.3	2,277.1	1,152.1	800.9	1,230.1	1,302.6	496.1	2,907.8	954.8	228.3
Mathematics and statistics	8.9	13.5	12.0	13.2	12.6	22.1	7.1	122.3	55.0	101.6	5.0
Natural resources and conservation	na	na	na	na	20.4	85.6	7.0	54.7	24.1	95.9	18.7
Physical sciences	631.5	657.5	593.6	590.0	1,287.6	423.4	377.7	425.4	856.6	1,464.6	121.5
Psychology	57.4	167.3	121.2	15.2	36.3	49.3	22.7	33.9	150.5	252.8	2.0
Social sciences	74.8	136.7	37.2	34.3	5.1	96.5	16.8	118.0	135.7	201.7	1.0
Other	511.6	276.6	340.9	127.7	256.1	297.7	323.4	138.3	144.8	233.0	41.0
Research animal space ^a	757.4	725.1	513.0	992.9	421.0	400.4	335.7	222.3	na	na	na

na = not applicable; see notes below.

^a Research animal space is listed separately and is also included in individual field totals.**Note(s):**

In FY 2015, "Agricultural sciences and natural resources sciences" was split into "Agricultural sciences" and "Natural resources and conservation." Prior to FY 2015, data for "Natural resources and conservation" are included in "Agricultural sciences." For details on field changes in FY 2021, see "Changes in the questionnaire" in the [Technical Notes](#) section. Data are not collected on planned new construction of research animal space. Deferred projects are those that (1) are not funded and (2) are not scheduled for FY 2022 or FY 2023. Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 13

Costs for new construction of research animal space in academic institutions, by type of institution and time of construction: FYs 2006–21

(Costs in millions of dollars)

Type of institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021
All institutions	757.4	725.1	513.0	992.9	421.0	400.4	335.7	222.3
Doctorate granting	738.0	659.0	491.8	984.6	417.3	393.7	313.4	222.3
Public	508.1	417.1	459.5	292.1	337.4	271.3	284.9	126.5
Private	229.9	241.9	32.3	692.5	79.9	122.4	28.5	95.8
Nondoctorate granting	19.4	66.1	21.2	8.3	3.7	6.8	22.3	0.0

Note(s):

Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 14
Costs and space for new construction of science and engineering research space in academic institutions, by type of institution and time of construction: FYs 2006–23

(Costs in millions of dollars and net assignable square feet in millions)

Type of institution	Started in FY 2006 or FY 2007		Started in FY 2008 or FY 2009		Started in FY 2010 or FY 2011		Started in FY 2012 or FY 2013		Started in FY 2014 or FY 2015		Started in FY 2016 or FY 2017		Started in FY 2018 or FY 2019		Started in FY 2020 or FY 2021		Planned to start in FY 2022 or FY 2023		Costs of deferred projects	
	Costs	NASF	Costs	NASF	Costs	NASF	Costs	NASF	Costs	NASF	Costs	NASF	Costs	NASF	Costs	NASF	Costs	NASF	Included in institutional plan	Not included in institutional plan
All institutions	5,923.5	8.8	7,336.0	9.9	6,396.2	8.1	5,432.5	6.6	5,679.5	5.1	5,929.3	6.7	5,138.7	5.6	4,477.1	4.0	12,802.2	10.6	8,369.9	1,044.2
Doctorate granting	5,681.3	8.4	7,012.4	9.3	6,227.7	7.8	5,211.1	6.3	5,514.8	4.8	5,752.9	6.4	4,778.5	5.0	4,326.2	4.0	12,412.5	10.3	8,189.8	898.7
Public	3,693.8	6.2	5,013.2	7.0	5,495.9	6.7	3,357.3	4.6	3,547.6	3.6	3,986.3	4.8	3,898.4	4.3	2,807.3	2.8	8,127.9	7.0	7,370.1	788.7
Private	1,987.6	2.2	1,999.2	2.3	731.8	1.1	1,853.8	1.7	1,967.2	1.2	1,766.6	1.6	880.1	0.7	1,518.9	1.2	4,284.6	3.3	819.7	110.0
Nondoctorate granting	242.2	0.4	323.6	0.5	168.5	0.2	221.4	0.3	164.7	0.3	176.4	0.3	360.2	0.5	150.9	0.1	389.7	0.3	180.1	145.5
Medical schools ^a	1,779.0	2.5	2,137.0	2.5	1,966.9	2.3	1,236.7	1.3	865.2	0.8	945.0	0.9	1,118.2	0.9	532.6	0.5	3,017.3	2.2	663.4	113.0

NASF = net assignable square feet.

^a Medical schools are listed separately and are also included in individual institution totals.

Note(s):

Deferred projects are those that (1) are not funded and (2) are not scheduled for FY 2022 or FY 2023. Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 15
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Colorado	2,860	0	0	0	0	0	2,860	0	0	0	0	0	0
Public	2,860	0	0	0	0	0	2,860	0	0	0	0	0	0
Colorado School of Mines	0	0	0	0	0	0	0	0	0	0	0	0	0
Colorado State U., Fort Collins	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Lewis C.	2,860	0	0	0	0	0	2,860	0	0	0	0	0	0
U. Colorado Boulder	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Colorado Colorado Springs	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Colorado Denver and Anschutz Medical Campus	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Northern Colorado	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Denver	0	0	0	0	0	0	0	0	0	0	0	0	0
Connecticut	148,526	0	0	0	0	0	22,800	0	0	94,695	0	31,031	0
Public	117,495	0	0	0	0	0	22,800	0	0	94,695	0	0	0
Eastern Connecticut State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Connecticut State U.	22,800	0	0	0	0	0	22,800	0	0	0	0	0	0
U. Connecticut	94,695	0	0	0	0	0	0	0	0	94,695	0	0	0
Private	31,031	0	0	0	0	0	0	0	0	0	0	31,031	0
Connecticut C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Trinity C., Hartford	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Hartford	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Haven	0	0	0	0	0	0	0	0	0	0	0	0	0
Wesleyan U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Yale U.	31,031	0	0	0	0	0	0	0	0	0	0	31,031	0
Delaware	1,561	0	1,561	0	0	0	0	0	0	0	0	0	0
Public	1,561	0	1,561	0	0	0	0	0	0	0	0	0	0
Delaware State U.	1,561	0	1,561	0	0	0	0	0	0	0	0	0	0
U. Delaware	0	0	0	0	0	0	0	0	0	0	0	0	0
District of Columbia	36,261	0	0	0	0	0	31,622	0	0	0	0	4,640	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the District of Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	36,261	0	0	0	0	0	31,622	0	0	0	0	4,640	0

TABLE 15
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Xavier U. Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Maine	22,534	0	0	0	20,000	2,534	0	0	0	0	0	0	0
Public	20,000	0	0	0	20,000	0	0	0	0	0	0	0	0
U. Maine	20,000	0	0	0	20,000	0	0	0	0	0	0	0	0
U. Southern Maine	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	2,534	0	0	0	0	2,534	0	0	0	0	0	0	0
Bates C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bowdoin C.	2,534	0	0	0	0	2,534	0	0	0	0	0	0	0
Colby C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New England	0	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	204,151	0	0	0	65,358	18,798	0	0	0	119,995	0	0	0
Public	185,251	0	0	0	46,458	18,798	0	0	0	119,995	0	0	0
Bowie State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Morgan State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Salisbury U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Towson U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Baltimore	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Maryland ^a	166,453	0	0	0	46,458	0	0	0	0	119,995	0	0	0
U. Maryland Center for Environmental Science	18,798	0	0	0	0	18,798	0	0	0	0	0	0	0
U. Maryland, Baltimore County	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Maryland, Eastern Shore	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	18,900	0	0	0	18,900	0	0	0	0	0	0	0	0
Johns Hopkins U.	18,900	0	0	0	18,900	0	0	0	0	0	0	0	0
Massachusetts	1,141,307	0	318,130	366,065	143,694	19,190	4,405	103,117	9,076	69,174	30,721	5,837	71,896
Public	265,319	0	265,319	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Amherst	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Boston	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Dartmouth	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Lowell	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Medical School	265,319	0	265,319	0	0	0	0	0	0	0	0	0	0
Private	875,988	0	52,812	366,065	143,694	19,190	4,405	103,117	9,076	69,174	30,721	5,837	71,896

TABLE 15
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
South Carolina	5,000	0	0	5,000	0	0	0	0	0	0	0	0	0
Public	5,000	0	0	5,000	0	0	0	0	0	0	0	0	0
C. Charleston	0	0	0	0	0	0	0	0	0	0	0	0	0
Clemson U.	5,000	0	0	5,000	0	0	0	0	0	0	0	0	0
Coastal Carolina U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Medical U. South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0
U. South Carolina, Aiken	0	0	0	0	0	0	0	0	0	0	0	0	0
U. South Carolina, Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Winthrop U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Claffin U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Furman U.	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	8,124	8,124	0	0	0	0	0	0	0	0	0	0	0
Public	8,124	8,124	0	0	0	0	0	0	0	0	0	0	0
Black Hills State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Dakota State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota School of Mines and Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota State U.	8,124	8,124	0	0	0	0	0	0	0	0	0	0	0
U. South Dakota	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Augustana U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	40,762	26,910	0	0	292	0	13,560	0	0	0	0	0	0
Public	40,762	26,910	0	0	292	0	13,560	0	0	0	0	0	0
Austin Peay State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
East Tennessee State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Middle Tennessee State U.	292	0	0	0	292	0	0	0	0	0	0	0	0
Tennessee State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee Technological U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Memphis	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Tennessee, Chattanooga	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Tennessee, Health Science Center	13,560	0	0	0	0	0	13,560	0	0	0	0	0	0

TABLE 15
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Puerto Rico, Medical Sciences Campus	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Rio Piedras	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Carlos Albizu U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Ponce Health Sciences U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Ana G. Mendez, Gurabo	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Central del Caribe	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0	0	0	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the Virgin Islands	0	0	0	0	0	0	0	0	0	0	0	0	0

i = imputed.

^a The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^b Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

Note(s):

Details may not add to totals due to rounding. Unit nonrespondent imputed data are not published in this table. Therefore, aggregated totals will not match totals in tables 12, 14, and 17, which include unit nonrespondent imputed data.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
California	3,069,609	67,000	609,630	590,785	137,795	2,368	1,387,755	1,570	551	155,840	92,000	0	24,315
Public	2,114,743	67,000	24,280	590,785	105,919	368	1,230,430	1,570	551	1,840	92,000	0	0
California Polytechnic State U., San Luis Obispo	67,000	67,000	0	0	0	0	0	0	0	0	0	0	0
California State Polytechnic U., Pomona	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Channel Islands	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Chico	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Dominguez Hills	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., East Bay	10,513	0	4,480	785	919	368	0	1,570	551	1,840	0	0	0
California State U., Fresno	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Fullerton	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Long Beach	63,000	0	0	0	0	0	63,000	0	0	0	0	0	0
California State U., Los Angeles	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Maritime Academy	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Monterey Bay	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Northridge	25,000	0	0	0	25,000	0	0	0	0	0	0	0	0
California State U., Sacramento	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., San Bernardino	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., San Marcos	0	0	0	0	0	0	0	0	0	0	0	0	0
California State U., Stanislaus	0	0	0	0	0	0	0	0	0	0	0	0	0
Humboldt State U.	120,000	0	0	40,000	80,000	0	0	0	0	0	0	0	0
San Diego State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
San Francisco State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
San Jose State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Sonoma State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Berkeley	550,000	0	0	550,000	0	0	0	0	0	0	0	0	0
U. California, Davis	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Irvine	188,430	0	19,800	0	0	0	168,630	0	0	0	0	0	0
U. California, Los Angeles	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Merced	227,000	0	0	0	0	0	135,000	0	0	0	92,000	0	0

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. California, Riverside	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, San Diego	83,000	0	0	0	0	0	83,000	0	0	0	0	0	0
U. California, San Francisco	780,800	0	0	0	0	0	780,800	0	0	0	0	0	0
U. California, Santa Barbara	0	0	0	0	0	0	0	0	0	0	0	0	0
U. California, Santa Cruz	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	954,866	0	585,350	0	31,876	2,000	157,325	0	0	154,000	0	0	24,315
Azusa Pacific U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Biola U.	0	0	0	0	0	0	0	0	0	0	0	0	0
California Institute of Technology	154,000	0	0	0	0	0	0	0	0	154,000	0	0	0
Chapman U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont McKenna C.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Fielding Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Harvey Mudd C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Keck Graduate Institute	0	0	0	0	0	0	0	0	0	0	0	0	0
Loma Linda U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Loyola Marymount U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Marshall B. Ketchum U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Occidental C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pepperdine U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomona C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Scripps C.	500	0	500	0	0	0	0	0	0	0	0	0	0
Scripps Research Institute	103,300	0	103,300	0	0	0	0	0	0	0	0	0	0
Stanford U.	202,716	0	0	0	22,076	0	156,325	0	0	0	0	0	24,315
Touro U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Diego	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Francisco	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Southern California	492,800	0	480,000	0	9,800	2,000	1,000	0	0	0	0	0	0

TABLE 16
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Kennesaw State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Savannah State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Georgia	59,600	59,600	0	0	0	0	0	0	0	0	0	0	0
Private	288,000	0	0	0	0	0	288,000	0	0	0	0	0	0
Clark Atlanta U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Emory U.	288,000	0	0	0	0	0	288,000	0	0	0	0	0	0
Mercer U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Morehouse C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Morehouse School of Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Spelman C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	22,750	0	6,500	0	250	0	13,000	0	0	3,000	0	0	0
Public	13,000	0	0	0	0	0	13,000	0	0	0	0	0	0
U. Hawaii, Hilo	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Hawaii, Manoa	13,000	0	0	0	0	0	13,000	0	0	0	0	0	0
Private	9,750	0	6,500	0	250	0	0	0	0	3,000	0	0	0
Hawaii Pacific U.	9,750	0	6,500	0	250	0	0	0	0	3,000	0	0	0
Idaho	37,580	33,150	438	0	1,282	0	0	0	960	1,751	0	0	0
Public	37,580	33,150	438	0	1,282	0	0	0	960	1,751	0	0	0
Boise State U.	3,470	0	438	0	1,282	0	0	0	0	1,751	0	0	0
Idaho State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Idaho	34,110	33,150	0	0	0	0	0	0	960	0	0	0	0
Illinois	359,615	600	0	117,800	0	0	161,500	0	0	0	0	79,715	0
Public	279,900	600	0	117,800	0	0	161,500	0	0	0	0	0	0
Illinois State U.	18,000	0	0	0	0	0	18,000	0	0	0	0	0	0
Northern Illinois U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Illinois U., Carbondale	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Illinois U., Edwardsville	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Illinois, Chicago	261,300	0	0	117,800	0	0	143,500	0	0	0	0	0	0
U. Illinois, Springfield	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Illinois, Urbana-Champaign	600	600	0	0	0	0	0	0	0	0	0	0	0
Western Illinois U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	79,715	0	0	0	0	0	0	0	0	0	0	79,715	0

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Palmer C. of Chiropractic, Davenport	0	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	16,500	0	0	0	16,500	0	0	0	0	0	0	0	0
Public	16,500	0	0	0	16,500	0	0	0	0	0	0	0	0
Kansas State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Kansas	0	0	0	0	0	0	0	0	0	0	0	0	0
Wichita State U.	16,500	0	0	0	16,500	0	0	0	0	0	0	0	0
Kentucky	60,525	60,525	0	0	0	0	0	0	0	0	0	0	0
Public	60,525	60,525	0	0	0	0	0	0	0	0	0	0	0
Kentucky State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Morehead State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Murray State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern Kentucky U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Kentucky	60,525	60,525	0	0	0	0	0	0	0	0	0	0	0
U. Louisville	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Kentucky U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	114,441	0	0	0	12,500	0	24,500	0	0	0	0	0	77,441
Public	114,441	0	0	0	12,500	0	24,500	0	0	0	0	0	77,441
Louisiana State U., Baton Rouge	77,441	0	0	0	0	0	0	0	0	0	0	0	77,441
Louisiana State U., Health Sciences Center, New Orleans	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana State U., Health Sciences Center, Shreveport	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana Tech U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Northwestern State U. Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Louisiana U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern U. and A&M C., Agricultural Research and Extension Center	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Louisiana, Lafayette	25,000	0	0	0	12,500	0	12,500	0	0	0	0	0	0
U. Louisiana, Monroe	12,000	0	0	0	0	0	12,000	0	0	0	0	0	0

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Michigan, Ann Arbor	266,000	0	0	0	145,000	0	121,000	0	0	0	0	0	0
U. Michigan, Dearborn	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Calvin U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Hope C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Kettering U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Detroit Mercy	0	0	0	0	0	0	0	0	0	0	0	0	0
Van Andel Research Institute	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	1,626	0	582	0	679	0	0	0	0	365	0	0	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota State U., Mankato	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Cloud State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Minnesota, Duluth	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Minnesota, Twin Cities	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	1,626	0	582	0	679	0	0	0	0	365	0	0	0
Carleton C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Macalester C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of St. Thomas (MN)	1,626	0	582	0	679	0	0	0	0	365	0	0	0
Mississippi	40,000	0	10,000	0	30,000	0	0	0	0	0	0	0	0
Public	40,000	0	10,000	0	30,000	0	0	0	0	0	0	0	0
Alcorn State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi State U.	30,000	0	0	0	30,000	0	0	0	0	0	0	0	0
U. Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Southern Mississippi	10,000	0	10,000	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Tougaloo C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	179,900	35,000	59,950	0	0	0	84,950	0	0	0	0	0	0
Public	60,000	35,000	0	0	0	0	25,000	0	0	0	0	0	0

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
Keene State C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Hampshire	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	1,620	0	0	0	1,620	0	0	0	0	0	0	0	0
Dartmouth C.	1,620	0	0	0	1,620	0	0	0	0	0	0	0	0
New Jersey	1,043,483	135,000	0	26,059	509,492	372,932	0	0	0	0	0	0	0
Public	181,762	135,000	0	0	46,762	0	0	0	0	0	0	0	0
C. New Jersey	0	0	0	0	0	0	0	0	0	0	0	0	0
Kean U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Montclair State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
New Jersey Institute of Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Rowan U.	135,000	135,000	0	0	0	0	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, Camden	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, New Brunswick	46,762	0	0	0	46,762	0	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, Newark	0	0	0	0	0	0	0	0	0	0	0	0	0
Stockton U.	0	0	0	0	0	0	0	0	0	0	0	0	0
William Paterson U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	861,721	0	0	26,059	462,730	372,932	0	0	0	0	0	0	0
Monmouth U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Princeton U.	861,301	0	0	26,059	462,310	372,932	0	0	0	0	0	0	0
Stevens Institute of Technology	420	0	0	0	420	0	0	0	0	0	0	0	0
New Mexico	16,300	0	0	0	16,300	0	0	0	0	0	0	0	0
Public	16,300	0	0	0	16,300	0	0	0	0	0	0	0	0
New Mexico Institute of Mining and Technology	16,300	0	0	0	16,300	0	0	0	0	0	0	0	0
New Mexico State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
New York	857,555	0	490,522	112,000	167,000	3,000	28,824	0	0	25,540	16,667	0	14,002
Public	200,790	0	47,764	0	130,000	3,000	2,124	0	0	900	3,000	0	14,002

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
CUNY, Advanced Science Research Center	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Baruch C.	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Brooklyn C.	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, C. Staten Island	1,164	0	1,164	0	0	0	0	0	0	0	0	0	0
CUNY, City C.	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Graduate Center	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Graduate School of Public Health and Health Policy	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Hunter C.	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, John Jay C. of Criminal Justice	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Lehman C.	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, New York City C. of Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Queens C.	8,500	0	1,600	0	0	3,000	0	0	0	900	3,000	0	0
CUNY, York C.	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Binghamton U.	16,126	0	0	0	0	0	2,124	0	0	0	0	0	14,002
SUNY, Buffalo State	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. Brockport	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. of Environmental Science and Forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. of Optometry	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. Plattsburgh	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Downstate Medical Center	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Geneseo	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Oswego	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Polytechnic Institute	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Stony Brook U.	175,000	0	45,000	0	130,000	0	0	0	0	0	0	0	0
SUNY, U. Albany	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, U. Buffalo	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Upstate Medical U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	656,765	0	442,758	112,000	37,000	0	26,700	0	0	24,640	13,667	0	0

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Oregon	234,500	0	234,500	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewis and Clark C.	0	0	0	0	0	0	0	0	0	0	0	0	0
National U. of Natural Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Reed C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania	1,121,391	0	447,109	183,517	338,055	0	0	0	0	106,662	0	46,049	0
Public	165,713	0	0	0	99,688	0	0	0	0	37,395	0	28,630	0
Indiana U. Pennsylvania	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania State U., Behrend	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania State U., Harrisburg	25,688	i	0	i	0	i	0	i	0	0	i	0	i
Pennsylvania State U., University Park and Hershey Medical Center	136,025	0	0	0	70,000	0	0	0	0	37,395	0	28,630	0
Temple U.	0	i	0	i	0	i	0	i	0	0	i	0	i
U. Pittsburgh, Pittsburgh	4,000	0	0	0	4,000	0	0	0	0	0	0	0	0
West Chester U. Pennsylvania	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	955,678	0	447,109	183,517	238,367	0	0	0	0	69,267	0	17,419	0
Bryn Mawr C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bucknell U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Carnegie Mellon U.	187,300	0	66,500	25,767	25,767	0	0	0	0	69,267	0	0	0
Drexel U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Duquesne U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Franklin and Marshall C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Haverford C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Lafayette C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Lehigh U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Mercyhurst U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Saint Joseph's U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Swarthmore C.	20,250	0	0	20,250	0	0	0	0	0	0	0	0	0
U. of the Sciences Philadelphia	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Pennsylvania	706,128	0	380,609	137,500	170,600	0	0	0	0	0	0	17,419	0

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Villanova U.	42,000	0	0	0	42,000	0	0	0	0	0	0	0	0
Rhode Island	46,900	0	0	0	15,300	25,600	0	0	0	5,000	0	0	1,000
Public	45,900	0	0	0	15,300	25,600	0	0	0	5,000	0	0	0
Rhode Island C.	5,000	0	0	0	0	0	0	0	0	5,000	0	0	0
U. Rhode Island	40,900	0	0	0	15,300	25,600	0	0	0	0	0	0	0
Private	1,000	0	0	0	0	0	0	0	0	0	0	0	1,000
Brown U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Providence C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Roger Williams U.	1,000	0	0	0	0	0	0	0	0	0	0	0	1,000
South Carolina	91,900	0	0	500	1,500	0	0	0	7,500	82,400	0	0	0
Public	91,900	0	0	500	1,500	0	0	0	7,500	82,400	0	0	0
C. Charleston	0	0	0	0	0	0	0	0	0	0	0	0	0
Clemson U.	89,900	0	0	0	0	0	0	0	7,500	82,400	0	0	0
Coastal Carolina U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Medical U. South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0
U. South Carolina, Aiken	2,000	0	0	500	1,500	0	0	0	0	0	0	0	0
U. South Carolina, Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Winthrop U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Clafin U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Furman U.	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	29,500	21,000	0	0	5,950	2,550	0	0	0	0	0	0	0
Public	29,500	21,000	0	0	5,950	2,550	0	0	0	0	0	0	0
Black Hills State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Dakota State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota School of Mines and Technology	8,500	0	0	0	5,950	2,550	0	0	0	0	0	0	0
South Dakota State U.	21,000	21,000	0	0	0	0	0	0	0	0	0	0	0
U. South Dakota	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Augustana U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	121,378	6,581	0	3,817	65,469	934	42,690	0	0	0	0	0	1,886

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Public	109,378	6,581	0	3,817	65,469	934	30,690	0	0	0	0	0	1,886
Austin Peay State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
East Tennessee State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Middle Tennessee State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee State U.	5,906	4,020	0	0	0	0	0	0	0	0	0	0	1,886
Tennessee Technological U.	62,000	0	0	0	62,000	0	0	0	0	0	0	0	0
U. Memphis	7,736	940	0	3,817	2,044	934	0	0	0	0	0	0	0
U. Tennessee, Chattanooga	1,425	0	0	0	1,425	0	0	0	0	0	0	0	0
U. Tennessee, Health Science Center	30,690	0	0	0	0	0	30,690	0	0	0	0	0	0
U. Tennessee, Knoxville	1,621	1,621	0	0	0	0	0	0	0	0	0	0	0
Private	12,000	0	0	0	0	0	12,000	0	0	0	0	0	0
Fisk U.	12,000	0	0	0	0	0	12,000	0	0	0	0	0	0
Meharry Medical C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Vanderbilt U. and Vanderbilt U. Medical Center ^b	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas	1,796,295	0	1,192,260	37,249	193,949	5,314	277,694	37,249	0	41,736	4,511	0	6,335
Public	1,623,295	0	1,067,260	37,249	170,949	5,314	252,694	37,249	0	41,736	4,511	0	6,335
Lamar U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Prairie View A&M U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Sam Houston State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Stephen F. Austin State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Sul Ross State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Tarleton State U.	3,950	0	0	0	0	0	0	0	0	0	0	0	3,950
Texas A&M International U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U., College Station and Health Science Center	101,500	0	100,000	0	1,500	0	0	0	0	0	0	0	0
Texas A&M U.-Commerce	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U.-Corpus Christi	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U.-Kingsville	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Southern U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Tech U.	22,296	0	0	0	0	5,314	0	0	0	11,186	4,511	0	1,285

TABLE 16

Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Wyoming	0	0	0	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0	0	0	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
American Samoa Community C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Guam	5,400	0	900	0	0	450	0	0	4,050	0	0	0	0
Public	5,400	0	900	0	0	450	0	0	4,050	0	0	0	0
U. Guam	5,400	0	900	0	0	450	0	0	4,050	0	0	0	0
Puerto Rico	7,000	0	5,480	0	0	0	680	0	280	280	280	0	0
Public	7,000	0	5,480	0	0	0	680	0	280	280	280	0	0
U. Puerto Rico, Cayey	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Humacao	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Mayaguez	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Medical Sciences Campus	1,400	0	1,000	0	0	0	400	0	0	0	0	0	0
U. Puerto Rico, Rio Piedras	5,600	0	4,480	0	0	0	280	0	280	280	280	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Carlos Albizu U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Ponce Health Sciences U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Ana G. Mendez, Gurabo	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Central del Caribe	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	19,026	0	19,026	0	0	0	0	0	0	0	0	0	0
Public	19,026	0	19,026	0	0	0	0	0	0	0	0	0	0
U. of the Virgin Islands	19,026	0	19,026	0	0	0	0	0	0	0	0	0	0

i = imputed.

^a The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^b Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

Note(s):

Details may not add to totals due to rounding. Unit nonrespondent imputed data are not published in this table. Therefore, aggregated totals will not match totals in tables 12, 14, and 17, which include unit nonrespondent imputed data.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Alabama											
Public											
Alabama A&M U.	0	NA	0	0	0	0	0	0	0	200,000	0
Alabama State U.	20,000	0	0	0	0	0	0	0	0	0	0
Auburn U., Auburn	na	na	35,762	0	7,500	960	17,160	15,778	2,000	230,000	0
Troy U.	ne	ne	ne	ne	ne	ne	ne	0	12,000	0	0
U. Alabama, Birmingham	0	5,065	348	0	0	351	0	17,880	0	16,900	0
U. Alabama, Huntsville	0	0	0	5,200	0	0	0	653	0	8,050	0
U. Alabama, Tuscaloosa	0	0	97,288	0	0	0	0	0	0	0	0
U. South Alabama	15,300	8,000	14,500	0	0	0	1,838	0	0	0	0
Private											
Tuskegee U.	3,836	0	0	0	0	0	0	0	0	0	0
Alaska											
Public											
U. Alaska, Anchorage	25,000	NA	NA	0	0	0	0	0	0	0	0
U. Alaska, Fairbanks	NA	0	45,000	32,450	4,017	41,500	0	0	0	112,500	0
U. Alaska, Southeast	ne	NA	0	0	0	0	0	0	13,000	0	0
Private											
Alaska Pacific U.	ne	ne	ne	ne	ne	0	0	0	0	0	0
Arizona											
Public											
Arizona State U.	0	0	94,499	2,256	0	60,000	55,500	96,000	88,376	0	0
Northern Arizona U.	0	0	0	8,400	0	0	0	0	2,400	0	0
U. Arizona	18,605	4,446	48,635	8,483	201,093	0	17,400	119,000	99,000	0	0
Arkansas											
Public											
Arkansas State U., Jonesboro	0	0	0	0	0	0	0	0	0	0	0
U. Arkansas for Medical Sciences	0	13,491	0	0	0	0	0	15,743	0	0	0
U. Arkansas, Fayetteville	8,300	48,800	750	993	0	6,948	13,800	0	114,000	130,950	0
U. Arkansas, Little Rock	0	5,400	9,059	0	0	0	0	0	0	0	0
U. Arkansas, Pine Bluff	0	0	0	0	4,000	0	0	0	0	0	0
U. Central Arkansas	0	0	0	0	0	706	0	0	0	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
California											
Public											
California Polytechnic State U., San Luis Obispo	788	0	12,250	0	0	0	71,500	0	67,000	0	15,000
California State Polytechnic U., Pomona	461	0	0	0	0	0	0	0	0	0	0
California State U., Bakersfield	4,000	1,210	2,500	0	0	0	0	0	0	0	0
California State U., Channel Islands	ne	ne	ne	ne	0	0	0	0	0	0	0
California State U., Chico	0	0	0	0	0	0	15,382	0	0	0	0
California State U., Dominguez Hills	0	0	0	0	0	12,798	0	0	0	0	0
California State U., East Bay	0	0	0	0	ne	ne	ne	0	10,513	0	0
California State U., Fresno	0	0	0	364	2,798	8,021	0	0	0	0	0
California State U., Fullerton	0	0	0	0	0	0	0	0	0	0	0
California State U., Long Beach	0	17,500	0	0	0	0	0	0	63,000	0	0
California State U., Los Angeles	0	8,833	0	0	0	0	0	0	0	0	0
California State U., Maritime Academy	ne	ne	ne	0	0	0	0	0	0	0	0
California State U., Monterey Bay	0	0	0	0	0	0	734	0	0	0	0
California State U., Northridge	9,700	0	0	0	594	0	0	0	25,000	0	0
California State U., Sacramento	0	0	0	0	0	0	8,530	0	0	5,700	0
California State U., San Bernardino	0	0	1,379	0	0	0	0	0	0	0	0
California State U., San Marcos	ne	ne	NA	482	0	0	0	0	0	0	0
California State U., Stanislaus	ne	ne	ne	0	ne	0	0	0	0	0	1,002
Humboldt State U.	0	NA	0	0	0	0	0	0	120,000	12,250	0
San Diego State U.	0	0	0	0	0	18,231	0	0	0	160,000	0
San Francisco State U.	NA	2,119	0	0	0	0	0	33,000	0	0	0
San Jose State U.	0	0	0	0	0	0	43,661	0	0	0	0
Sonoma State U.	ne	ne	ne	0	0	ne	ne	0	0	0	0
U. California, Berkeley	1,811	178,506	149,474	60,530	0	55,000	0	100,000	550,000	1,214,195	0
U. California, Davis	463,085	0	186,219	4,890	10,788	12,782	13,533	68,828	0	260,000	0
U. California, Irvine	133,707	56,830	5,163	0	0	0	43,060	61,770	188,430	0	0
U. California, Los Angeles	155,378	0	0	101,200	177,400	4,980	177,400	0	0	0	0
U. California, Merced	0	0	0	0	0	0	73,221	0	227,000	0	0
U. California, Riverside	49,371	80,856	37,550	648	0	66,980	27,405	0	0	115,000	0
U. California, San Diego	73,608	0	353,395	106,596	0	121,424	3,689	0	83,000	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Colorado School of Mines	0	0	9,144	0	7,827	25,626	0	0	9,000	0	0
Colorado State U., Fort Collins	5,549	55,083	6,314	31,207	96,519	51,108	27,513	0	7,999	0	0
Colorado State U., Pueblo	ne	ne	ne	ne	ne	ne	0	0	0	0	0
Fort Lewis C.	ne	ne	ne	ne	ne	ne	0	2,860	0	0	0
U. Colorado Boulder	0	13,377	126,425	0	81,500	35,352	9,199	0	100,000	0	0
U. Colorado Colorado Springs	5,026	0	0	10,588	0	0	3,079	0	16,700	0	0
U. Colorado Denver and Anschutz Medical Campus	0	59,480	13,260	0	8,398	0	110,849	0	0	0	0
U. Northern Colorado	0	0	0	0	0	0	0	0	0	0	0
Private											
U. Denver	0	0	0	0	22,522	0	0	0	0	0	0
Connecticut											
Public											
Eastern Connecticut State U.	ne	ne	ne	ne	ne	ne	ne	0	0	0	0
Southern Connecticut State U.	NA	0	ne	56,762	0	0	0	22,800	0	0	0
U. Connecticut	0	0	0	5,439	119,803	0	3,338	94,695	0	0	0
Private											
Connecticut C.	NA	ne	NA	0	0	0	0	0	0	0	0
Trinity C., Hartford	ne	ne	0	0	0	1,705	0	0	0	0	0
U. Hartford	0	0	0	0	0	0	ne	0	0	0	0
U. New Haven	ne	ne	ne	ne	ne	0	3,467	0	0	0	0
Wesleyan U.	0	0	0	0	0	0	0	0	0	120,036	0
Yale U.	17,025	33,492	0	0	0	261,337	0	31,031	0	509,000	0
Delaware											
Public											
Delaware State U.	0	0	0	0	11,970	0	0	1,561	7,500	37,400	0
U. Delaware	2,723	0	62,800	3,678	4,680	0	81,192	0	33,867	24,729	0
District of Columbia											
Public											
U. of the District of Columbia	0	0	0	0	0	0	0	0	1,000	0	0
Private											
American U.	0	10,500	0	0	4,058	0	12,973	0	0	0	1,000
Catholic U. of America	0	NA	NA	0	0	0	0	29,880	0	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
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Gallaudet U.	NA	NA	0	0	0	0	0	0	0	0	0
George Washington U.	0	0	49,646	32,250	0	0	0	0	0	0	0
Georgetown U.	0	0	26,658	0	0	0	0	6,382	0	0	0
Howard U.	0	0	0	39,290	0	0	0	0	0	0	0
Florida											
Public											
Florida A&M U.	0	0	0	0	27,564	988	582	0	1,700	1,500	0
Florida Atlantic U.	641	21,877	14,587	0	0	487	0	43,312	0	0	0
Florida Gulf Coast U.	0	4,362	2,900	0	1,375	0	0	14,905	0	0	0
Florida International U.	0	13,101	38,668	7,379	0	0	0	0	12,522	0	4,000
Florida Polytechnic U.	ne	ne	ne	ne	ne	ne	14,032	0	0	0	0
Florida State U.	0	85,000	24,000	0	0	21,380	4,700	0	88,000	0	0
U. Central Florida	0	202,244	0	1,012	1,926	60,584	0	0	0	0	0
U. Florida	82,556	58,006	70,452	5,743	21,320	30,765	7,640	18,788	16,541	0	268,200
U. North Florida	NA	0	35,443	0	0	4,054	0	0	0	0	0
U. South Florida ^b	430	25,877	11,400	0	0	0	44,648	0	0	50,000	0
U. West Florida	0	12,000	0	0	0	0	0	0	0	0	0
Private											
Embry-Riddle Aeronautical U.	0	0	0	0	4,417	31,925	4,222	0	0	0	0
Florida Institute of Technology	0	4,484	0	0	1,567	0	0	21,120	0	0	0
Nova Southeastern U.	0	0	30,000	0	20,774	0	0	0	0	0	0
U. Miami	180,000	8,400	0	40,272	0	0	0	0	152,227	0	0
Georgia											
Public											
Augusta U.	na	na	na	0	0	33,375	0	0	0	0	0
Fort Valley State U.	0	19,278	0	0	5,100	0	6,502	0	0	0	0
Georgia Institute of Technology	56,376	1,100	24,750	113,000	0	0	0	0	34,143	0	0
Georgia Southern U.	0	0	12,733	0	0	0	18,350	0	0	0	0
Georgia State U.	1,371	44,629	1,389	0	26,510	0	0	0	0	0	0
Kennesaw State U.	ne	ne	18,159	0	0	0	0	0	0	0	0
Savannah State U.	0	0	0	0	0	10,000	0	0	0	0	0
U. Georgia	2,290	19,920	0	8,051	5,277	16,184	51,883	24,321	59,600	0	0

TABLE 17
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										Included in institutional plan	Not included in institutional plan
U. Maine	1,300	6,869	3,450	0	6,500	0	0	20,000	0	35,000	0
U. Southern Maine	1,157	326	0	0	0	0	0	0	0	0	0
Private											
Bates C.	0	ne	0	0	0	0	80,000	0	0	0	0
Bowdoin C.	NA	NA	NA	0	0	0	4,195	2,534	0	0	0
Colby C.	0	0	0	4,100	577	0	0	0	0	0	0
U. New England	NA	4,000	995	0	0	0	0	0	0	0	0
Maryland											
Public											
Bowie State U.	0	ne	ne	0	0	0	0	0	0	0	0
Morgan State U.	0	0	23,000	0	0	0	0	0	0	0	0
Salisbury U.	ne	ne	ne	0	0	0	0	0	0	0	0
Towson U.	0	9,000	0	0	0	32,000	0	0	2,560	0	0
U. Baltimore	NA	2,948	0	0	0	0	0	0	0	0	0
U. Maryland ^d	na	na	na	na	na	na	280,716	166,453	205,000	256,651	0
U. Maryland Center for Environmental Science	0	724	0	16,700	0	21,635	0	18,798	0	34,540	0
U. Maryland, Baltimore County	0	0	0	0	0	73,448	0	0	0	84,200	0
U. Maryland, Eastern Shore	0	0	0	20,000	0	0	10,000	0	20,000	0	0
Private											
Johns Hopkins U.	6,582	24,320	39,913	21,116	0	0	225,400	18,900	0	0	0
Massachusetts											
Public											
Framingham State U.	ne	ne	ne	ne	ne	ne	ne	0	0	0	0
U. Massachusetts, Amherst	12,968	82,622	0	0	190,000	0	0	0	225,000	0	0
U. Massachusetts, Boston	750	0	130,600	0	0	0	0	0	0	0	0
U. Massachusetts, Dartmouth	0	0	0	12,000	0	16,000	0	0	0	0	0
U. Massachusetts, Lowell	0	0	16,600	0	0	6,136	0	0	0	0	0
U. Massachusetts, Medical School	0	28,600	191,685	0	0	0	0	265,319	0	0	0
Private											
Amherst C.	0	0	0	0	0	41,454	0	0	0	0	0
Boston C.	0	0	0	0	0	0	0	32,689	0	0	0
Boston U.	197,500	0	0	0	79,800	0	0	324,811	0	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23
 (Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
U. Detroit Mercy	ne	ne	0	ne	0	0	0	0	0	0	0
Van Andel Research Institute	ne	ne	ne	ne	ne	0	0	0	0	0	0
Minnesota											
Public											
Minnesota State U., Mankato	ne	0	0	0	0	0	0	0	0	0	0
St. Cloud State U.	4,633	0	0	31,390	0	0	0	0	0	0	0
U. Minnesota, Duluth	na	na	0	0	0	0	12,778	0	0	0	0
U. Minnesota, Twin Cities	na	na	188,085	98,726	42,998	27,705	1,347	16,925	0	1,527	0
Private											
Carleton C.	0	0	0	0	0	0	12,947	0	0	0	0
Macalester C.	0	0	0	0	0	0	0	0	0	0	0
U. of St. Thomas (MN)	ne	ne	NA	ne	ne	ne	0	0	1,626	0	0
Mississippi											
Public											
Alcorn State U.	13,000	0	0	375	0	0	0	0	0	0	0
Jackson State U.	NA	0	0	0	0	0	0	0	0	0	0
Mississippi State U.	6,704	989	2,684	0	894	10,797	13,117	4,328	30,000	0	0
U. Mississippi	0	2,834	13,820	0	103,084	0	0	568	0	0	0
U. Southern Mississippi	0	0	2,000	0	0	404	0	0	10,000	0	0
Private											
Tougaloo C.	ne	0	0	0	0	0	0	0	0	0	0
Missouri											
Public											
Lincoln U., Jefferson City	0	0	0	1,267	0	679	0	0	0	0	0
Missouri State U.	0	0	7,600	3,300	0	0	647	0	0	10,000	0
Missouri U. of Science and Technology	17,402	0	4,216	7,535	0	0	10,446	0	0	0	0
U. Missouri, Columbia	9,080	18,382	0	0	0	0	233,697	11,550	60,000	0	0
U. Missouri, Kansas City	0	0	0	0	0	0	32,082	0	0	0	0
U. Missouri, Saint Louis	38,500	0	0	0	4,500	0	0	0	0	0	0
Private											
Saint Louis U.	0	0	0	0	0	0	8,800	0	0	0	0
U. of Health Sciences and Pharmacy in St. Louis	ne	ne	ne	ne	ne	ne	ne	0	0	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23
 (Costs in thousands of dollars)

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										Included in institutional plan	Not included in institutional plan
Washington U., Saint Louis	0	22,859	2,884	80,013	654	66,119	58,583	289,155	119,900	80,000	0
Montana											
Public											
Montana State U., Bozeman	24,000	4,000	0	0	0	0	17,000	0	0	0	0
Montana Technological U. U. Montana, Missoula	0	522	0	1,083	3,040	0	0	0	0	0	0
U. Montana, Missoula	0	3,609	0	0	0	0	0	0	0	0	0
Nebraska											
Public											
U. Nebraska, Kearney	ne	ne	NA	ne	6,270	0	30,000	0	0	0	0
U. Nebraska, Lincoln	7,450	44,058	13,350	12,000	0	0	0	0	115,000	0	0
U. Nebraska, Medical Center	73,088	2,487	0	0	109,343	0	0	0	0	0	0
U. Nebraska, Omaha	0	0	0	7,538	640	0	11,610	2,040	0	0	0
Private											
Creighton U.	0	0	0	0	0	0	0	0	0	0	0
Nevada											
Public											
Desert Research Institute	23,340	0	450	0	0	0	0	0	0	23,100	0
U. Nevada, Las Vegas	61,740	0	910	2,160	0	4,041	0	26,425	0	0	0
U. Nevada, Reno	0	30,000	0	0	0	0	35,000	0	0	0	50,000
Private											
Roseman U. of Health Sciences	ne	ne	ne	ne	0	0	0	0	0	0	0
New Hampshire											
Public											
Keene State C.	ne	ne	ne	0	0	0	ne	0	0	0	0
U. New Hampshire	14,907	10,844	0	0	0	0	29,070	0	0	0	0
Private											
Dartmouth C.	NA	96,898	0	96,500	0	0	21,040	0	1,620	1,620	0
New Jersey											
Public											
C. New Jersey	NA	ne	ne	ne	ne	0	ne	0	0	0	0
Kean U.	ne	ne	ne	7,000	ne	ne	ne	0	0	0	0
Montclair State U.	NA	0	0	0	0	0	0	0	0	130,000	0

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New Jersey Institute of Technology	0	0	0	0	0	5,736	6,000	0	0	0	0
Rowan U.	0	0	35,000	0	0	6,363	0	10,925	135,000	0	0
Rutgers, State U. New Jersey, Camden	na	na	350	0	1,000	16,000	0	0	0	0	0
Rutgers, State U. New Jersey, New Brunswick ^e	na	na	47,000	0	122,800	18,800	9,000	50,250	46,762	445,639	0
Rutgers, State U. New Jersey, Newark	na	na	0	0	10,640	0	0	0	0	0	16,000
Stockton U.	ne	ne	ne	ne	0	ne	0	0	0	0	50,000
William Paterson U.	ne	ne	ne	ne	ne	ne	0	0	0	0	0
Private											
Monmouth U.	0	0	0	ne	ne	ne	0	0	0	0	0
Princeton U.	166,400	0	151,022	174,677	0	0	0	0	861,301	0	0
Stevens Institute of Technology	0	0	2,550	0	0	1,433	14,061	0	420	0	0
New Mexico											
Public											
New Mexico Highlands U.	0	0	0	0	ne	0	ne	0 i	0 i	0 i	0 i
New Mexico Institute of Mining and Technology	0	3,000	0	0	7,619	7,126	0	0	16,300	0	0
New Mexico State U.	0	1,525	500	0	0	0	0	0	0	0	0
U. New Mexico	17,096	0	9,899	0	0	0	36,009	0	0	0	0
New York											
Public											
CUNY, Advanced Science Research Center	ne	ne	ne	ne	ne	0	0	0	0	0	0
CUNY, Baruch C.	0	0	0	0	ne	0	0	0	0	0	0
CUNY, Brooklyn C.	0	0	0	0	0	0 i	0	0	0	0	0
CUNY, C. Staten Island	0	0	0	0	0	0	0	0	1,164	0	0
CUNY, City C.	1,500	0	0	0	0	0	0	0	0	0	0
CUNY, Graduate Center	0	0	0	0	0	0	0 i	4,500	0	0	0
CUNY, Graduate School of Public Health and Health Policy	ne	ne	ne	ne	ne	ne	0	0	0	0	0
CUNY, Hunter C.	0	0	0	0	0	3,926	0 i	0	0	96,496 i	0 i
CUNY, John Jay C. of Criminal Justice	ne	NA	0	0	0	0	0	0	0	0	0
CUNY, Lehman C.	0	76,781	0	0	0	0	0	0	0	0	0
CUNY, New York City C. of Technology	ne	ne	ne	ne	ne	ne	0	0	0	0	0
CUNY, Queens C.	6,798	0	42,000	0	0	0	0	0	8,500	0	0
CUNY, York C.	0	0	ne	0	ne	ne	0	0	0	0	0

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SUNY, Binghamton U.	0	58,110	30,996	0	31,900	20,900	0	0	16,126	21,695	0
SUNY, Buffalo State	0	0	17,096	25,853	0	0	3,986	0	0	0	0
SUNY, C. Brockport	ne	ne	ne	0	0	0	0	0	0	0	0
SUNY, C. of Environmental Science and Forestry	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. of Optometry	0	0	0	0	0	0	1,000	0	0	0	0
SUNY, C. Plattsburgh	0	ne	0	ne	0	0	0	0	0	0	0
SUNY, Downstate Medical Center	0	0	0	13,000	0	0	0	0	0	0	0
SUNY, Geneseo	0	0	0	0	ne	0	0	0	0	0	0
SUNY, Oswego	0	0	ne	12,708	ne	0	0	0	0	0	0
SUNY, Polytechnic Institute	ne	ne	ne	ne	0	0	0	0	0	0	0
SUNY, Stony Brook U.	42,750	66,582	2,625	131,230	2,760	31,000	0	0	175,000	0	180,000
SUNY, U. Albany ^f	25,900	0	257,300	13,980	0	0	56,389	0	0	0	0
SUNY, U. Buffalo	0	95,335	0	0	78,660	0	0	0	0	102,000	0
SUNY, Upstate Medical U.	0	0	72,000	0	0	0	0	0	0	0	0
Private											
Albany C. of Pharmacy and Health Sciences	0	800	0	1,077	0	0	0	0	0	0	0
Albany Medical C.	0	8,500	19,456	0	0	0	0	i	0	0	0
Albert Einstein C. of Medicine	ne	ne	ne	ne	ne	0	0	0	0	0	0
Alfred U.	0	0	0	0	8,100	0	0	0	0	0	0
Barnard C.	0	0	0	0	0	0	0	0	0	0	0
Canisius C.	ne	ne	ne	ne	ne	0	i	0	i	0	0
Clarkson U. ^g	0	596	2,034	0	0	0	0	0	0	0	0
Cold Spring Harbor Laboratory	ne	ne	ne	15,500	0	25,000	0	0	268,500	0	0
Colgate U.	0	0	0	0	0	0	0	0	51,000	0	0
Columbia U. in the City of New York	157,609	0	2,726	607,510	0	0	0	0	0	0	0
Cornell U.	190,232	141,030	27,303	32,075	0	i	0	0	216,890	0	0
Fordham U.	0	0	0	0	0	0	0	0	0	0	9,000
Hobart and William Smith Colleges	ne	0	0	0	0	ne	0	0	0	0	0
Icahn School of Medicine at Mount Sinai	15,101	267,840	0	0	0	0	0	70,000	85,000	0	0
Ithaca C.	0	0	0	0	0	ne	ne	0	1,700	0	0
Long Island U.	NA	NA	NA	5,680	ne	ne	0	1,350	25,000	0	0
Manhattan C.	ne	ne	ne	ne	ne	ne	0	i	0	i	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23
 (Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	ne	ne	ne	0	0	0	0	0	0	0	0
New School	0	980	0	1,207	0	0	0	0	0	0	0
New York Institute of Technology	0	0	0	0	0	0	0	0	0	0	0
New York Medical C.	0	0	0	11,628	0	0	0	0	8,675	0	0
New York U. ^e	108,503	0	0	35,000	595,284	0	0	0	0	0	0
Pace U.	ne	0	0	0	0	0	0	0	0	0	0
Rensselaer Polytechnic Institute	0	6,400	0	0	1,025	0	0	0	0	0	0
Rochester Institute of Technology	0	0	33,927	1,793	0	0	7,000	0	0	0	0
Rockefeller U.	0	35,303	0	0	356,000	0	0	0	0	0	0
Skidmore C.	ne	ne	0	0	0	0	28,000	31,388	0	0	0
St. John's U., New York	0	0	0	0	0	0	0	0	0	0	0
Syracuse U.	90,300	0	0	0	0	0	0	0	0	0	0
Teachers C., Columbia U.	0	0	0	0	0	0	0	0	0	0	0
U. Rochester	36,081	71,400	0	0	6,343	0	0	0	0	0	0
Vassar C.	ne	0	0	ne	ne	0	0	0	0	0	0
Yeshiva U. ^h	2,870	0	0	0	0	0	0	0	0	0	0
North Carolina											
Public											
Appalachian State U.	0	0	0	0	0	389	0	0	0	0	0
East Carolina U.	0	485	527	0	0	0	0	43,212	0	61,448	0
Elizabeth City State U.	ne	0	0	0	0	0	ne	0	0	0	0
Fayetteville State U.	ne	0	0	0	0	0	0	0	0	0	0
North Carolina Agricultural and Technical State U.	0	0	0	0	0	0	21,632	0	0	0	0
North Carolina Central U.	10,854	0	650	0	0	0	0	0	0	0	0
North Carolina State U.	39,713	0	2,960	0	0	1,620	48,197	142,546	12,087	21,600	0
U. North Carolina, Asheville	8,800	0	0	475	0	0	0	0	0	0	0
U. North Carolina, Chapel Hill	155,903	277,649	158,529	0	0	0	0	0	0	0	0
U. North Carolina, Charlotte	9,749	76,000	41,500	0	0	75,578	0	0	0	0	0
U. North Carolina, Greensboro	0	0	0	0	0	0	10,800	0	0	0	0
U. North Carolina, Wilmington	0	3,325	27,572	0	0	0	2,946	1,671	0	0	0
Western Carolina U.	0	NA	NA	0	0	0	20,132	0	0	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Langston U.	0	0	0	0	6,750	0	0	0	0	0	0
Oklahoma State U., Center for Health Sciences	na	na	0	0	0	0	0	0	0	0	0
Oklahoma State U., Stillwater	na	na	0	0	0	0	0	0	31,106	0	0
U. Central Oklahoma	ne	ne	0	ne	0	6,363	0	0	0	0	0
U. Oklahoma, Norman and Health Science Center	0	126,910	13,000	15,300	0	9,591	74,500	0	0	0	0
U. Oklahoma, Tulsa	ne	ne	ne	ne	ne	0	0	0	0	0	0
Private											
U. Tulsa	0	0	7,164	0	0	0	0	0	0	0	0
Oregon											
Public											
Oregon Health and Science U.	1,999	2,088	0	15,455	12,570	149,000	10,961	0	0	0	0
Oregon Institute of Technology	12,600	0	ne	ne	0	0	0	318	14,806	0	0
Oregon State U.	0	0	40,000	0	20,000	56,750	20,000	0	140,000	0	0
Portland State U.	1,200	0	0	0	0	0	22,891	0	0	0	0
U. Oregon	11,849	0	30,292	0	0	0	225,000	0	234,500	0	0
Private											
Lewis and Clark C.	ne	0	0	0	0	0	0	0	0	0	0
National U. of Natural Medicine	ne	ne	ne	ne	ne	0	0	0	0	0	0
Pacific U.	ne	ne	0	ne	0 i	0 i	0	0	0	0	0
Reed C.	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania											
Public											
Indiana U. Pennsylvania	ne	ne	ne	ne	ne	ne	0	0	0	0	0
Pennsylvania State U., Behrend	na	na	0	0	0	0	0	0	0	0	0
Pennsylvania State U., Harrisburg	na	na	0	5,158 i	0	0	0	0	25,688 i	0	0
Pennsylvania State U., University Park and Hershey Medical Center	na	na	0	47,693 i	0	75,700	27,528	188,650	136,025	0	78,000
Temple U.	70,000	0	10,000	102,492 i	0	0	0	0	0 i	0 i	0 i
U. Pittsburgh, Pittsburgh	NA	10,971	32,383	0	0	0	0	0	4,000	0	0
West Chester U. Pennsylvania	ne	0	0	0 i	0	0	19,000	0	0	0	0
Private											
Bryn Mawr C.	0	0	1,400	0	0	0	0	0	0	0	0
Bucknell U.	NA	0	0	0	0	0	7,513	0	0	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23
 (Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Winthrop U.	ne	ne	ne	0	0	ne	ne	0	0	0	20,000
Private											
Clafin U.	ne	0	0	0	0	0	0	0	0	0	48,000
Furman U.	NA	NA	0	0	0	0	0	0	0	0	0
South Dakota											
Public											
Black Hills State U.	0	0	0	0	0	0	ne	0	0	0	0
Dakota State U.	ne	ne	ne	0	0	0	6,500	0	0	0	0
South Dakota School of Mines and Technology	0	7,100	15,387	0	0	0	0	0	8,500	0	0
South Dakota State U.	0	11,467	1,874	854	10,000	4,325	0	8,124	21,000	0	0
U. South Dakota	0	0	0	0	0	0	0	0	0	0	0
Private											
Augustana U.	ne	ne	ne	0	4,525	ne	0	0	0	0	0
Tennessee											
Public											
Austin Peay State U.	ne	ne	ne	0	ne	ne	0	0	0	0	0
East Tennessee State U.	1,820	0	0	0	0	0	0	0	0	0	0
Middle Tennessee State U.	0	0	0	10,400	0	0	0	292	0	0	0
Tennessee State U.	0	0	1,287	8,000	500	39,987	10,500	0	5,906	10,000	0
Tennessee Technological U.	0	0	0	0	0	0	22,077	0	62,000	0	0
U. Memphis	0	0	0	0	7,389	650	0	0	7,736	102,500	0
U. Tennessee, Chattanooga	0	0	0	0	0	0	0	0	1,425	0	0
U. Tennessee, Health Science Center	na	na	na	49,000	0	0	0	13,560	30,690	0	0
U. Tennessee, Knoxville ^f	10,000	0	11,600	28,388	71,464	0	56,163	26,910	1,621	0	0
Private											
Fisk U.	0	0	0	0	0	0	0	0	12,000	0	0
Meharry Medical C.	0	0	0	0	0	0	0	0	0	0	0
Vanderbilt U. and Vanderbilt U. Medical Center ⁱ	54,710	0	775	0	26,948	0	0	0	0	0	0
Texas											
Public											
Lamar U.	0	0	0	0	0	0	45,000	0	0	0	0
Prairie View A&M U.	NA	0	0	0	0	0	4,195	0	0	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23
 (Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Sam Houston State U.	0	0	0	0	351	17,900	3,731	0	0	0	0
Stephen F. Austin State U.	0	300	0	0	0	46,400	0	0	0	0	0
Sul Ross State U.	0	0	0	0	0	0	0	0	0	0	0
Tarleton State U.	0	5,000	0	0	0	27,837	10,000	0	3,950	0	0
Texas A&M International U.	ne	ne	0	0	0	25,000	0	0	0	0	0
Texas A&M U., College Station and Health Science Center	NA	244,089 ⁱ	0	0	8,708	289,281	17,752	144,034	101,500	0	0
Texas A&M U.-Commerce	ne	0	0	0	0	0	25,000	0	0	0	0
Texas A&M U.-Corpus Christi	0	0	0	413	0	25,737 ⁱ	0	0	0	0	0
Texas A&M U.-Kingsville	826	1,089	434	0	0	0	0	0	0	0	0
Texas Southern U.	0	0	0	3,734	0	0	0	0	0	0	0
Texas State U.	1,398	1,070	2,067	0	0	51,700	0	14,027	0	0	0
Texas Tech U.	10,000	0	0	5,197	3,016	77,000	7,200	10,445	22,296	0	0
Texas Tech U., Health Sciences Center ^j	11,603	0	5,023	0	334	1,215	0	0	0	0	0
Texas Tech U., Health Sciences Center, El Paso	na	na	na	na	0	0	30,000	0	59,800	0	0
Texas Woman's U.	0	0	0	0	0	0	54,000	0	0	0	0
U. Houston	0	15,053	34,953 ⁱ	0	41,845	102,000	3,733	0	0	0	0
U. Houston-Clear Lake	ne	ne	ne	0	0	10,632 ⁱ	0	0	0	0	0
U. North Texas, Denton	NA	33,658	1,150	6,052	0	0	5,294	0	124,400	0	0
U. North Texas, Health Science Center	3,003	0	0	0	0	47,018	0	0	0	0	0
U. Texas Health Science Center, Houston	0	76,022	2,861	0	0	10,622	0	0	137,000	0	0
U. Texas Health Science Center, San Antonio	0	150,000	0	0	0	0	51,700	19,550	20,500	0	0
U. Texas Health Science Center, Tyler	ne	ne	ne	ne	ne	0	0	0	0	0	0
U. Texas M. D. Anderson Cancer Center	136,630	0	0	282,200	0	0	0	0	900,000	0	0
U. Texas Medical Branch	6,221	0	0	0	0	54,110	0	0	0	0	0
U. Texas Rio Grande Valley	na	na	na	na	na	38,956	984	6,550	12,104	0	0
U. Texas Southwestern Medical Center	21,960	195,700	820,137	0	3,487	0	215,922	120,000	60,000	0	0
U. Texas, Arlington	0	57,881	0	0	0	71,000	0	0	0	0	0
U. Texas, Austin	0	0	155,152	40,000	105,324	0	96,011	3,209	0	44,318	0
U. Texas, Dallas	0	0	0	143,000	21,496	45,377	13,261	0	0	0	0
U. Texas, El Paso	25,762	28,199	27,000	0	0	85,424	0	27,911	70,000	0	0
U. Texas, San Antonio	22,342	0	0	9,269	0	18,060	0	57,602	111,746	0	0
U. Texas, Tyler	ne	0	0	860	0	0	0	0	0	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
West Texas A&M U.	0	0	3,103	700	0	0	i 0	i 493	0	0	0
Private											
Abilene Christian U.	ne	ne	ne	ne	ne	ne	ne	0	23,000	0	0
Baylor C. of Medicine	50,732	0	0	0	0	6,982	0	0	150,000	0	0
Baylor U.	0	792	0	0	526	0	0	0	0	0	0
Rice U.	46,400	24,696	0	0	0	0	0	73,450	0	0	0
Southern Methodist U.	7,200	2,383	0	9,800	0	0	11,762	0	0	0	0
St. Edward's U.	ne	ne	ne	35,000	0	250	0	0	0	0	0
Texas Christian U.	0	0	0	0	0	250	0	0	0	0	0
Trinity U.	0	0	14,420	0	0	0	0	0	0	0	0
U. of the Incarnate Word	ne	ne	ne	ne	ne	ne	0	i 0	i 0	0	i 0
Utah											
Public											
U. Utah	19,858	131,920	75,104	274	112,571	53,145	3,385	9,685	319,561	0	90,000
Utah State U.	22,586	82,720	5,064	0	2,320	39,038	32,000	35,996	10,000	0	0
Private											
Brigham Young U., Provo	0	0	89,269	i 250	i 0	35,940	i 3,675	i 0	0	0	0
Vermont											
Public											
U. Vermont	520	46,985	0	2,311	1,673	11,177	0	0	40,457	0	0
Private											
Middlebury C.	ne	0	0	0	0	0	557	0	0	0	0
Virginia											
Public											
Christopher Newport U.	ne	ne	12,567	0	0	0	0	0	0	0	0
Eastern Virginia Medical School ^k	0	0	0	0	0	0	0	0	0	0	0
George Mason U.	36,800	48,300	50,691	0	20,000	3,000	0	0	0	0	0
James Madison U.	425	0	0	0	0	0	0	0	0	0	0
Norfolk State U.	0	0	0	0	0	0	0	0	0	0	0
Old Dominion U.	24,570	10,566	0	13,877	0	0	15,960	0	69,484	224,393	0
U. Virginia, Charlottesville ^l	74,550	160,250	1,315	0	0	0	0	0	0	0	0
Virginia Commonwealth U.	83,341	7,727	11,817	0	0	0	100,641	0	0	0	0

TABLE 17
Costs for new construction of science and engineering research space in academic institutions, by state or territory, control, institution, and time of construction: FYs 2006–23
 (Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
U. Wisconsin-Stevens Point	NA	NA	0	0	0	8,139	0	0	0	0	0
U. Wisconsin-Superior	0	NA	0	0	i ne	ne	0	i 0	i 0	i 0	i 0
Private											
Marquette U.	0	14,000	0	2,275	0	828	1,001	0	0	0	0
Medical C. Wisconsin	0	0	8,700	0	0	1,190	0	0	95,000	0	0
Milwaukee School of Engineering	0	0	0	0	0	0	8,000	0	0	0	0
Northland C.	ne	ne	ne	ne	ne	ne	ne	0	0	i 0	i 0
Wyoming											
Public											
U. Wyoming	6,980	0	58,150	0	2,604	72,336	0	63,594	0	0	0
American Samoa											
Public											
American Samoa Community C.	ne	ne	ne	ne	0	ne	0	0	0	0	0
Guam											
Public											
U. Guam	0	0	0	0	0	0	0	0	5,400	0	20,000
Puerto Rico											
Public											
U. Puerto Rico, Cayey	ne	0	ne	0	0	0	0	0	0	0	0
U. Puerto Rico, Humacao	0	0	0	0	0	ne	0	0	0	0	0
U. Puerto Rico, Mayaguez	1,800	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Medical Sciences Campus	NA	353	792	1,007	0	0	0	0	1,400	0	0
U. Puerto Rico, Rio Piedras	0	60,000	0	0	0	0	0	0	5,600	0	0
Private											
Carlos Albizu U.	ne	ne	ne	ne	ne	ne	ne	0	0	0	0
Ponce Health Sciences U.	0	0	0	0	0	2,000	0	0	0	0	0
U. Ana G. Mendez, Gurabo	ne	ne	0	ne	1,631	0	0	0	0	0	0
U. Central del Caribe	NA	0	0	0	0	0	0	0	0	0	0
Virgin Islands											
Public											
U. of the Virgin Islands	0	0	0	0	0	0	0	0	19,026	0	0

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. NA = not available; institution did not provide data, and data were not imputed. ne = not eligible; institution did not meet the criteria for inclusion.

^a Prior to FY 2020, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2020, affiliated institutions were surveyed separately; data for FY 2020 and beyond describe characteristics of a single institution.

^b From FY 2010 through FY 2019, affiliated institutions were surveyed separately; data for those years describe characteristics of a single institution.

^c Prior to FY 2018, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2018, affiliated institutions were surveyed separately; data for FY 2018 and beyond describe characteristics of a single institution.

^d The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^e Prior to FY 2014, the institution was surveyed separately; data for those survey years describe characteristics of a single institution. Beginning in FY 2014, the institution was surveyed together with other affiliated institutions; data for FY 2014 and beyond describe characteristics of the group of institutions.

^f Prior to FY 2012, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2012, affiliated institutions were surveyed separately; data for FY 2012 and beyond describe characteristics of a single institution.

^g Prior to FY 2016, the institution was surveyed separately; data for those survey years describe characteristics of a single institution. Beginning in FY 2016, the institution was surveyed together with other affiliated institutions; data for FY 2016 and beyond describe characteristics of the group of institutions.

^h Prior to FY 2016, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2016, affiliated institutions were surveyed separately; data for FY 2016 and beyond describe characteristics of a single institution.

ⁱ Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

^j Prior to FY 2014, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2014, affiliated institutions were surveyed separately; data for FY 2014 and beyond describe characteristics of a single institution.

^k Prior to FY 2019, Eastern Virginia Medical School was designated as a private institution.

^l Prior to FY 2010, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2010, affiliated institutions were surveyed separately; data for FY 2010 and beyond describe characteristics of a single institution.

Note(s):

Deferred projects are those that (1) are not funded and (2) are not scheduled for FY 2022 or FY 2023.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 18

Costs for repair and renovation of science and engineering research space in academic institutions, by field, research animal space, and time of repair and renovation: FYs 2006–23

(Costs in millions of dollars)

Field and research animal space	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
All research space	3,361.6	3,015.8	3,508.9	3,745.9	4,133.4	5,079.5	5,483.4	4,902.6	6,069.3	8,110.0	2,981.4
Agricultural sciences	107.1	144.8	87.8	147.4	55.0	135.5	196.1	237.8	313.5	458.6	182.2
Biological and biomedical sciences	867.6	1,061.1	1,317.0	1,089.2	1,005.2	1,301.4	1,745.2	1,608.6	1,845.1	1,896.4	703.2
Computer and information sciences	59.2	34.2	48.3	60.2	42.5	149.3	110.6	161.7	73.8	221.0	52.5
Engineering	235.9	438.8	434.3	592.4	707.3	1,002.3	757.7	732.3	745.9	1,477.7	495.3
Geosciences, atmospheric sciences, and ocean sciences	88.0	78.3	146.5	109.8	150.4	210.8	237.4	155.1	194.2	340.8	220.4
Health sciences	1,408.5	702.4	774.8	983.5	1,023.9	1,250.0	1,376.7	1,052.2	1,320.4	1,581.4	237.3
Mathematics and statistics	13.3	10.7	39.6	54.1	52.5	28.4	14.7	78.5	44.9	76.5	68.5
Natural resources and conservation	na	na	na	na	43.0	31.7	73.0	84.8	63.5	255.0	46.5
Physical sciences	410.2	408.7	361.1	531.6	786.2	739.7	526.1	532.8	919.4	1,056.0	552.4
Psychology	77.8	47.5	100.6	65.6	113.1	67.6	139.1	50.5	203.9	276.8	131.2
Social sciences	42.3	45.0	95.7	89.1	134.8	60.7	199.5	111.8	251.1	355.4	142.2
Other	51.6	44.3	103.2	22.8	19.4	102.2	107.5	96.3	93.6	114.4	149.6
Research animal space ^a	178.6	285.1	na	na	na	na	na	na	na	na	na

na = not applicable; see notes below.

^a Research animal space is listed separately and is also included in individual field totals.**Note(s):**

In FY 2015, "Agricultural sciences and natural resources sciences" was split into "Agricultural sciences" and "Natural resources and conservation." Prior to FY 2015, data for "Natural resources and conservation" are included in "Agricultural sciences." For details on field changes in FY 2021, see "Changes in the questionnaire" in the ["Technical Notes"](#) section. Data were not collected on repair or renovation of research animal space in FYs 2010–21. Deferred projects are those that (1) are not funded and (2) are not scheduled for FY 2022 or FY 2023. Data in this table, which utilizes repair and renovation project costs, may not match data in [table 27](#), which relies on source of funds, a separate set of survey variables. Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 19

Costs for repair and renovation of science and engineering research space in academic institutions, by type of institution and time of repair and renovation: FYs 2006–23

(Costs in millions of dollars)

Type of institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
All institutions	3,361.6	3,015.8	3,508.9	3,745.9	4,133.4	5,079.5	5,483.4	4,902.6	6,069.3	8,110.0	2,981.4
Doctorate granting	3,276.2	2,920.8	3,377.8	3,558.8	4,043.9	4,910.2	5,241.4	4,738.0	5,803.3	8,059.6	2,951.0
Public	1,857.5	1,587.1	1,931.7	1,837.7	2,178.6	2,924.2	3,077.5	2,769.2	3,524.0	7,288.4	2,138.2
Private	1,418.7	1,333.7	1,446.1	1,721.0	1,865.3	1,986.0	2,163.9	1,968.7	2,279.3	771.3	812.7
Nondoctorate granting	85.4	95.0	131.1	187.1	89.5	169.3	242.0	164.6	265.9	50.3	30.4
Medical schools ^a	1,083.3	920.3	1,025.7	1,236.9	1,196.8	1,488.8	1,347.2	1,465.9	1,444.7	1,598.1	389.2

^a Medical schools are listed separately and are also included in individual institution totals.

Note(s):

Deferred projects are those that (1) are not funded and (2) are not scheduled for FY 2022 or FY 2023. Data in this table, which utilizes repair and renovation project costs, may not match data in [table 27](#), which relies on source of funds, a separate set of survey variables. Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. California, San Diego	148,277	0	19,188	0	21,239	17,955	32,262	482	0	9,835	1,100	46,216	0
U. California, San Francisco	229,600	0	76,500	0	0	0	153,100	0	0	0	0	0	0
U. California, Santa Barbara	7,573	0	1,132	403	1,155	0	0	395	0	4,110	378	0	0
U. California, Santa Cruz	14,861	0	0	0	12,776	1,484	0	0	0	601	0	0	0
Private	157,735	4,090	54,879	0	37,333	3,051	36,104	0	0	20,070	956	1,253	0
Azusa Pacific U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Biola U.	0	0	0	0	0	0	0	0	0	0	0	0	0
California Institute of Technology	35,486	0	3,250	0	16,697	0	0	0	0	14,287	0	1,253	0
Chapman U.	21,530	2,630	0	0	17,000	0	1,900	0	0	0	0	0	0
Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont McKenna C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Fielding Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Harvey Mudd C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Keck Graduate Institute	0	0	0	0	0	0	0	0	0	0	0	0	0
Loma Linda U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Loyola Marymount U.	438	0	0	0	438	0	0	0	0	0	0	0	0
Marshall B. Ketchum U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Occidental C.	6,470	0	6,200	0	0	0	0	0	0	270	0	0	0
Pepperdine U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomona C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Scripps C.	1,400	0	1,400	0	0	0	0	0	0	0	0	0	0
Scripps Research Institute	31,597	0	31,597	0	0	0	0	0	0	0	0	0	0
Stanford U.	26,735	0	676	0	0	2,368	23,691	0	0	0	0	0	0
Touro U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Diego	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Francisco	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Southern California	28,955	0	10,726	0	3,198	683	7,878	0	0	5,513	956	0	0
Western U. of Health Sciences	5,125	1,460	1,030	0	0	0	2,635	0	0	0	0	0	0

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Colorado	42,607	502	393	0	9,927	2,887	26,475	0	259	1,462	701	0	0
Public	42,607	502	393	0	9,927	2,887	26,475	0	259	1,462	701	0	0
Colorado School of Mines	7,823	0	0	0	7,823	0	0	0	0	0	0	0	0
Colorado State U., Fort Collins	2,876	502	0	0	755	0	497	0	0	1,123	0	0	0
Fort Lewis C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Colorado Boulder	5,536	0	0	0	1,349	2,887	0	0	259	339	701	0	0
U. Colorado Colorado Springs	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Colorado Denver and Anschutz Medical Campus	26,372	0	393	0	0	0	25,979	0	0	0	0	0	0
U. Northern Colorado	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Denver	0	0	0	0	0	0	0	0	0	0	0	0	0
Connecticut	408,911	0	94,324	0	11,132	10,697	57,573	69,254	58,582	95,123	837	11,388	0
Public	23,149	0	18,473	0	0	0	4,164	0	0	0	512	0	0
Eastern Connecticut State U.	1,372	0	0	0	0	0	859	0	0	0	512	0	0
Southern Connecticut State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Connecticut	21,778	0	18,473	0	0	0	3,305	0	0	0	0	0	0
Private	385,762	0	75,851	0	11,132	10,697	53,409	69,254	58,582	95,123	325	11,388	0
Connecticut C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Trinity C., Hartford	301	0	0	0	0	0	0	0	0	301	0	0	0
U. Hartford	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Haven	4,774	0	0	0	0	0	4,774	0	0	0	0	0	0
Wesleyan U.	1,801	0	546	0	0	680	0	0	0	250	325	0	0
Yale U.	378,885	0	75,305	0	11,132	10,017	48,636	69,254	58,582	94,572	0	11,388	0
Delaware	10,685	6,092	251	299	862	395	0	0	354	1,340	666	427	0
Public	10,685	6,092	251	299	862	395	0	0	354	1,340	666	427	0
Delaware State U.	677	0	251	0	0	0	0	0	0	0	0	427	0
U. Delaware	10,008	6,092	0	299	862	395	0	0	354	1,340	666	0	0
District of Columbia	27,766	0	13,725	985	2,098	0	4,796	373	970	4,818	0	0	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the District of Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	27,766	0	13,725	985	2,098	0	4,796	373	970	4,818	0	0	0

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Kansas	9,580	1,559	1,378	0	2,649	0	2,100	398	0	0	1,000	496	0
Public	9,580	1,559	1,378	0	2,649	0	2,100	398	0	0	1,000	496	0
Kansas State U.	4,875	1,559	0	0	1,216	0	2,100	0	0	0	0	0	0
U. Kansas	3,753	0	1,378	0	481	0	0	398	0	0	1,000	496	0
Wichita State U.	952	0	0	0	952	0	0	0	0	0	0	0	0
Kentucky	17,845	3,686	6,721	0	257	0	4,248	0	502	2,432	0	0	0
Public	17,845	3,686	6,721	0	257	0	4,248	0	502	2,432	0	0	0
Kentucky State U.	2,900	2,900	0	0	0	0	0	0	0	0	0	0	0
Morehead State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Murray State U.	6,000	0	4,000	0	0	0	0	0	0	2,000	0	0	0
Northern Kentucky U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Kentucky	3,459	786	1,558	0	257	0	356	0	502	0	0	0	0
U. Louisville	5,487	0	1,162	0	0	0	3,892	0	0	432	0	0	0
Western Kentucky U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	44,650	2,037	4,711	0	1,818	313	16,252	0	510	5,791	274	0	12,944
Public	17,149	2,037	4,111	0	1,018	0	8,150	0	510	1,049	274	0	0
Louisiana State U., Baton Rouge	6,507	837	0	0	392	0	4,655	0	0	349	274	0	0
Louisiana State U., Health Sciences Center, New Orleans	2,545	0	656	0	0	0	1,890	0	0	0	0	0	0
Louisiana State U., Health Sciences Center, Shreveport	1,618	0	1,618	0	0	0	0	0	0	0	0	0	0
Louisiana Tech U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Northwestern State U. Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Louisiana U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern U. and A&M C., Agricultural Research and Extension Center	2,020	1,200	0	0	0	0	310	0	510	0	0	0	0
Southern U. and A&M C., Baton Rouge	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Louisiana, Lafayette	3,758	0	1,837	0	626	0	1,295	0	0	0	0	0	0
U. Louisiana, Monroe	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Orleans	700	0	0	0	0	0	0	0	0	700	0	0	0
Private	27,501	0	600	0	800	313	8,102	0	0	4,742	0	0	12,944
Dillard U.	5,400	0	600	0	800	0	0	0	0	4,000	0	0	0
Tulane U.	22,101	0	0	0	0	313	8,102	0	0	742	0	0	12,944

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Xavier U. Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Maine	3,271	0	371	0	2,050	850	0	0	0	0	0	0	0
Public	2,900	0	0	0	2,050	850	0	0	0	0	0	0	0
U. Maine	2,900	0	0	0	2,050	850	0	0	0	0	0	0	0
U. Southern Maine	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	371	0	371	0	0	0	0	0	0	0	0	0	0
Bates C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bowdoin C.	371	0	371	0	0	0	0	0	0	0	0	0	0
Colby C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New England	0	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	110,819	2,913	21,976	10,727	20,306	3,920	33,983	0	0	9,795	328	4,284	2,587
Public	71,820	2,913	7,956	1,024	7,617	3,920	33,983	0	0	9,795	328	4,284	0
Bowie State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Morgan State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Salisbury U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Towson U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Baltimore	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Maryland ^a	68,065	2,913	7,614	1,024	6,983	1,792	33,983	0	0	9,472	0	4,284	0
U. Maryland Center for Environmental Science	1,468	0	0	0	0	1,468	0	0	0	0	0	0	0
U. Maryland, Baltimore County	2,286	0	342	0	634	659	0	0	0	323	328	0	0
U. Maryland, Eastern Shore	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	38,999	0	14,020	9,703	12,689	0	0	0	0	0	0	0	2,587
Johns Hopkins U.	38,999	0	14,020	9,703	12,689	0	0	0	0	0	0	0	2,587
Massachusetts	287,716	5,139	113,817	2,391	61,081	31,300	18,403	394	863	39,403	4,269	1,559	9,097
Public	60,420	849	32,116	879	12,415	0	8,746	394	863	3,383	775	0	0
U. Massachusetts, Amherst	17,800	849	2,871	879	9,205	0	1,061	394	863	903	775	0	0
U. Massachusetts, Boston	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Dartmouth	500	0	0	0	500	0	0	0	0	0	0	0	0
U. Massachusetts, Lowell	19,520	0	13,430	0	2,710	0	900	0	0	2,480	0	0	0
U. Massachusetts, Medical School	22,600	0	15,815	0	0	0	6,785	0	0	0	0	0	0
Private	227,296	4,290	81,701	1,512	48,666	31,300	9,657	0	0	36,019	3,493	1,559	9,097

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Calvin U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Hope C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Kettering U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Detroit Mercy	0	0	0	0	0	0	0	0	0	0	0	0	0
Van Andel Research Institute	0	0	0	0	0	0	0	0	0	0	0	0	0
Minnesota	99,599	13,796	12,688	4,580	54,644	641	4,843	0	2,970	3,611	1,826	0	0
Public	77,330	13,796	2,678	0	54,644	0	4,843	0	1,369	0	0	0	0
Minnesota State U., Mankato	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Cloud State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Minnesota, Duluth	1,369	0	0	0	0	0	0	0	1,369	0	0	0	0
U. Minnesota, Twin Cities	75,961	13,796	2,678	0	54,644	0	4,843	0	0	0	0	0	0
Private	22,269	0	10,010	4,580	0	641	0	0	1,601	3,611	1,826	0	0
Carleton C.	22,269	0	10,010	4,580	0	641	0	0	1,601	3,611	1,826	0	0
Macalester C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of St. Thomas (MN)	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi	2,900	0	1,300	0	700	900	0	0	0	0	0	0	0
Public	2,900	0	1,300	0	700	900	0	0	0	0	0	0	0
Alcorn State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi State U.	1,600	0	0	0	700	900	0	0	0	0	0	0	0
U. Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Southern Mississippi	1,300	0	1,300	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Tougaloo C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	71,708	3,671	27,495	0	2,871	1,031	23,786	0	0	10,473	2,381	0	0
Public	18,844	3,671	1,500	0	475	531	8,837	0	0	1,449	2,381	0	0
Lincoln U., Jefferson City	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri U. of Science and Technology	2,744	0	1,500	0	0	531	0	0	0	714	0	0	0
U. Missouri, Columbia	13,761	3,671	0	0	475	0	8,355	0	0	735	525	0	0
U. Missouri, Kansas City	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Missouri, Saint Louis	2,339	0	0	0	0	0	482	0	0	0	1,856	0	0

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Private	52,864	0	25,995	0	2,396	500	14,949	0	0	9,024	0	0	0
Saint Louis U.	10,416	0	2,481	0	0	0	0	0	0	7,934	0	0	0
U. of Health Sciences and Pharmacy in St. Louis	1,200	0	0	0	0	0	1,200	0	0	0	0	0	0
Washington U., Saint Louis	41,249	0	23,513	0	2,396	500	13,749	0	0	1,090	0	0	0
Montana	1,142	0	1,142	0	0	0	0	0	0	0	0	0	0
Public	1,142	0	1,142	0	0	0	0	0	0	0	0	0	0
Montana State U., Bozeman	0	0	0	0	0	0	0	0	0	0	0	0	0
Montana Technological U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Montana, Missoula	1,142	0	1,142	0	0	0	0	0	0	0	0	0	0
Nebraska	38,801	1,732	12,413	0	2,340	0	17,609	0	1,733	1,420	314	1,241	0
Public	25,228	1,732	6,417	0	2,340	0	10,282	0	1,733	1,170	314	1,241	0
U. Nebraska, Kearney	997	0	997	0	0	0	0	0	0	0	0	0	0
U. Nebraska, Lincoln	24,231	1,732	5,420	0	2,340	0	10,282	0	1,733	1,170	314	1,241	0
U. Nebraska, Medical Center	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Nebraska, Omaha	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	13,573	0	5,996	0	0	0	7,328	0	0	250	0	0	0
Creighton U.	13,573	0	5,996	0	0	0	7,328	0	0	250	0	0	0
Nevada	15,367	0	1,650	1,881	1,221	250	926	0	0	8,814	626	0	0
Public	15,367	0	1,650	1,881	1,221	250	926	0	0	8,814	626	0	0
Desert Research Institute	250	0	0	0	0	250	0	0	0	0	0	0	0
U. Nevada, Las Vegas	4,820	0	1,325	1,881	689	0	926	0	0	0	0	0	0
U. Nevada, Reno	10,296	0	325	0	532	0	0	0	0	8,814	626	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Roseman U. of Health Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
New Hampshire	7,723	0	6,930	0	0	0	0	0	0	271	522	0	0
Public	1,200	0	1,200	0	0	0	0	0	0	0	0	0	0
Keene State C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Hampshire	1,200	0	1,200	0	0	0	0	0	0	0	0	0	0
Private	6,523	0	5,730	0	0	0	0	0	0	271	522	0	0
Dartmouth C.	6,523	0	5,730	0	0	0	0	0	0	271	522	0	0
New Jersey	278,019	3,245	32,397	6,730	44,617	2,049	160,623	301	775	22,638	3,807	837	0

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
CUNY, Hunter C.	3,433	0	0	0	0	0	0	0	0	3,120	313	0	0
CUNY, John Jay C. of Criminal Justice	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Lehman C.	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, New York City C. of Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
CUNY, Queens C.	1,395	500	0	0	0	0	0	0	0	500	395	0	0
CUNY, York C.	2,568	0	1,068	0	0	0	0	0	0	1,500	0	0	0
SUNY, Binghamton U.	10,088	0	1,564	0	0	0	0	0	0	0	1,265	0	7,259
SUNY, Buffalo State	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. Brockport	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. of Environmental Science and Forestry	594	0	0	0	0	0	0	0	0	0	0	594	0
SUNY, C. of Optometry	1,000	0	1,000	0	0	0	0	0	0	0	0	0	0
SUNY, C. Plattsburgh	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Downstate Medical Center	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Geneseo	3,646	0	608	0	0	608	0	608	0	608	608	608	0
SUNY, Oswego	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Polytechnic Institute	1,031	0	0	0	1,031	0	0	0	0	0	0	0	0
SUNY, Stony Brook U.	33,732	0	8,364	7,296	5,922	1,123	498	0	750	870	8,910	0	0
SUNY, U. Albany	30,706	0	451	0	27,525	0	0	0	0	1,600	0	1,129	0
SUNY, U. Buffalo	8,732	0	2,143	865	970	0	3,866	0	0	888	0	0	0
SUNY, Upstate Medical U.	7,304	0	7,304	0	0	0	0	0	0	0	0	0	0
Private	576,332	68,545	414,503	4,405	27,029	16,479	18,018	0	775	21,065	2,275	1,997	1,241
Albany C. of Pharmacy and Health Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
Albany Medical C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Albert Einstein C. of Medicine	3,828	0	1,970	0	0	0	919	0	0	0	0	0	939
Alfred U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Barnard C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Canisius C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Clarkson U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold Spring Harbor Laboratory	5,100	2,600	1,500	1,000	0	0	0	0	0	0	0	0	0
Colgate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Columbia U. in the City of New York	31,199	0	15,134	0	3,692	0	0	0	0	12,373	0	0	0

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Cornell U.	132,163	54,115	44,214	2,075	15,429	6,050	1,200	0	775	3,731	2,275	1,997	302
Fordham U.	1,000	0	0	1,000	0	0	0	0	0	0	0	0	0
Hobart and William Smith Colleges	0	0	0	0	0	0	0	0	0	0	0	0	0
Icahn School of Medicine at Mount Sinai	59,000	0	59,000	0	0	0	0	0	0	0	0	0	0
Ithaca C.	5,382	0	0	0	0	0	5,382	0	0	0	0	0	0
Long Island U.	15,480	11,830	0	0	0	0	3,650	0	0	0	0	0	0
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
New School	0	0	0	0	0	0	0	0	0	0	0	0	0
New York Medical C.	0	0	0	0	0	0	0	0	0	0	0	0	0
New York U.	276,780	0	270,680	0	6,100	0	0	0	0	0	0	0	0
Pace U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Rensselaer Polytechnic Institute	3,194	0	1,508	330	1,356	0	0	0	0	0	0	0	0
Rochester Institute of Technology	1,690	0	1,690	0	0	0	0	0	0	0	0	0	0
Rockefeller U.	18,426	0	18,426	0	0	0	0	0	0	0	0	0	0
Skidmore C.	13,133	0	382	0	0	10,088	0	0	0	2,664	0	0	0
St. John's U., New York	340	0	0	0	0	0	340	0	0	0	0	0	0
Syracuse U.	1,178	0	0	0	452	341	384	0	0	0	0	0	0
Teachers C., Columbia U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Rochester	8,440	0	0	0	0	0	6,143	0	0	2,297	0	0	0
Vassar C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Yeshiva U.	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina	18,302	1,828	8,969	0	1,367	0	4,086	0	0	435	0	1,617	0
Public	7,920	1,828	3,284	0	343	0	2,030	0	0	435	0	0	0
Appalachian State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
East Carolina U.	1,415	0	306	0	0	0	1,109	0	0	0	0	0	0
Elizabeth City State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Fayetteville State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina Agricultural and Technical State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina Central U.	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina State U.	3,674	1,828	1,412	0	0	0	0	0	0	435	0	0	0

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021
 (Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Oberlin C.	862	0	0	0	0	0	0	0	0	456	406	0	0
U. Dayton	1,896	0	0	0	1,896	0	0	0	0	0	0	0	0
Oklahoma	36,564	5,000	8,616	0	0	0	18,974	0	0	0	0	3,974	0
Public	36,564	5,000	8,616	0	0	0	18,974	0	0	0	0	3,974	0
Langston U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Oklahoma State U., Center for Health Sciences	15,341	0	7,393	0	0	0	3,974	0	0	0	0	3,974	0
Oklahoma State U., Stillwater	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Central Oklahoma	1,223	0	1,223	0	0	0	0	0	0	0	0	0	0
U. Oklahoma, Norman and Health Science Center	20,000	5,000	0	0	0	0	15,000	0	0	0	0	0	0
U. Oklahoma, Tulsa	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Tulsa	0	0	0	0	0	0	0	0	0	0	0	0	0
Oregon	257,672	7,000	189,955	1,000	12,738	7,540	36,686	0	0	1,882	0	870	0
Public	257,672	7,000	189,955	1,000	12,738	7,540	36,686	0	0	1,882	0	870	0
Oregon Health and Science U.	45,293	0	10,230	0	377	0	34,686	0	0	0	0	0	0
Oregon Institute of Technology	4,362	0	0	0	4,362	0	0	0	0	0	0	0	0
Oregon State U.	183,870	7,000	158,000	1,000	8,000	6,500	2,000	0	0	500	0	870	0
Portland State U.	14,497	0	12,432	0	0	1,040	0	0	0	1,025	0	0	0
U. Oregon	9,650	0	9,293	0	0	0	0	0	0	357	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Lewis and Clark C.	0	0	0	0	0	0	0	0	0	0	0	0	0
National U. of Natural Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Reed C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania	205,256	17,451	73,186	5,543	46,358	1,505	31,346	0	0	15,400	2,198	11,602	667
Public	75,032	10,946	36,412	2,300	9,739	255	14,248	0	0	803	0	330	0
Indiana U. Pennsylvania	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania State U., Behrend	557	0	557	0	0	0	0	0	0	0	0	0	0
Pennsylvania State U., Harrisburg	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania State U., University Park and Hershey Medical Center	29,062	10,946	1,975	0	8,139	255	6,615	0	0	803	0	330	0

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Temple U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Pittsburgh, Pittsburgh	45,413	0	33,880	2,300	1,600	0	7,633	0	0	0	0	0	0
West Chester U. Pennsylvania	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	130,224	6,505	36,774	3,243	36,620	1,250	17,098	0	0	14,597	2,198	11,272	667
Bryn Mawr C.	4,522	0	1,235	0	0	1,250	0	0	0	2,038	0	0	0
Bucknell U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Carnegie Mellon U.	7,920	0	1,547	3,243	0	0	0	0	0	476	2,198	456	0
Drexel U.	978	0	0	0	0	0	311	0	0	0	0	0	667
Duquesne U.	1,100	0	1,100	0	0	0	0	0	0	0	0	0	0
Franklin and Marshall C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Haverford C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Lafayette C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Lehigh U.	3,162	0	0	0	3,162	0	0	0	0	0	0	0	0
Mercyhurst U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Saint Joseph's U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Swarthmore C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the Sciences Philadelphia	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Pennsylvania	112,541	6,505	32,892	0	33,458	0	16,787	0	0	12,084	0	10,816	0
Villanova U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhode Island	28,329	0	3,309	617	1,780	12,431	7,182	0	0	2,625	385	0	0
Public	6,620	0	314	0	0	0	6,306	0	0	0	0	0	0
Rhode Island C.	314	0	314	0	0	0	0	0	0	0	0	0	0
U. Rhode Island	6,306	0	0	0	0	0	6,306	0	0	0	0	0	0
Private	21,710	0	2,995	617	1,780	12,431	876	0	0	2,625	385	0	0
Brown U.	18,614	0	2,559	617	930	12,431	876	0	0	816	385	0	0
Providence C.	3,096	0	436	0	850	0	0	0	0	1,809	0	0	0
Roger Williams U.	0	0	0	0	0	0	0	0	0	0	0	0	0
South Carolina	7,443	1,355	500	995	1,865	0	0	0	550	2,178	0	0	0
Public	7,443	1,355	500	995	1,865	0	0	0	550	2,178	0	0	0
C. Charleston	0	0	0	0	0	0	0	0	0	0	0	0	0
Clemson U.	4,928	1,355	0	0	1,345	0	0	0	550	1,678	0	0	0

TABLE 20
Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Started in FY 2020 or FY 2021

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Virgin Islands	2,736	0	0	0	0	1,368	0	0	1,368	0	0	0	0
Public	2,736	0	0	0	0	1,368	0	0	1,368	0	0	0	0
U. of the Virgin Islands	2,736	0	0	0	0	1,368	0	0	1,368	0	0	0	0

i = imputed.

^a The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^b Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

Note(s):

Details may not add to totals due to rounding. Unit nonrespondent imputed data are not published in this table. Therefore, aggregated totals will not match totals in tables 18, 19, and 22, which include unit nonrespondent imputed data.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. California, San Diego	173,682	0	36,500	0	34,500	11,380	54,140	1,000	0	0	17,581	18,581	0
U. California, San Francisco	293,200	0	97,700	0	0	0	195,500	0	0	0	0	0	0
U. California, Santa Barbara	2,177	0	1,477	0	0	0	0	0	0	0	318	382	0
U. California, Santa Cruz	13,453	0	0	0	0	9,736	0	0	0	3,717	0	0	0
Private	82,370	600	24,633	10,298	0	3,147	30,687	0	0	12,539	0	466	0
Azusa Pacific U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Biola U.	500	0	500	0	0	0	0	0	0	0	0	0	0
California Institute of Technology	11,728	0	707	0	0	982	0	0	0	10,039	0	0	0
Chapman U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Charles R. Drew U. of Medicine and Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont McKenna C.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Fielding Graduate U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Harvey Mudd C.	2,500	0	0	0	0	0	0	0	0	2,500	0	0	0
Keck Graduate Institute	500	0	0	0	0	0	500	0	0	0	0	0	0
Loma Linda U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Loyola Marymount U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Marshall B. Ketchum U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Occidental C.	7,150	0	5,900	0	0	1,250	0	0	0	0	0	0	0
Pepperdine U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomona C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Scripps C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Scripps Research Institute	15,720	0	15,720	0	0	0	0	0	0	0	0	0	0
Stanford U.	36,291	0	0	10,298	0	915	25,078	0	0	0	0	0	0
Touro U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Diego	0	0	0	0	0	0	0	0	0	0	0	0	0
U. San Francisco	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Southern California	3,581	0	306	0	0	0	2,809	0	0	0	0	466	0
Western U. of Health Sciences	4,400	600	1,500	0	0	0	2,300	0	0	0	0	0	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Colorado	35,607	413	1,755	0	4,492	2,448	4,688	0	6,216	15,595	0	0	0
Public	35,607	413	1,755	0	4,492	2,448	4,688	0	6,216	15,595	0	0	0
Colorado School of Mines	1,106	0	0	0	1,106	0	0	0	0	0	0	0	0
Colorado State U., Fort Collins	2,073	413	1,381	0	279	0	0	0	0	0	0	0	0
Fort Lewis C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Colorado Boulder	27,741	0	375	0	3,107	2,448	0	0	6,216	15,595	0	0	0
U. Colorado Colorado Springs	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Colorado Denver and Anschutz Medical Campus	4,688	0	0	0	0	0	4,688	0	0	0	0	0	0
U. Northern Colorado	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Denver	0	0	0	0	0	0	0	0	0	0	0	0	0
Connecticut	504,558	0	192,444	0	36,775	0	101,071	0	285	58,829	108,884	6,270	0
Public	33,259	0	4,009	0	0	0	3,791	0	0	25,459	0	0	0
Eastern Connecticut State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Connecticut State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Connecticut	33,259	0	4,009	0	0	0	3,791	0	0	25,459	0	0	0
Private	471,299	0	188,435	0	36,775	0	97,280	0	285	33,370	108,884	6,270	0
Connecticut C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Trinity C., Hartford	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Hartford	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Haven	5,000	0	2,000	0	0	0	3,000	0	0	0	0	0	0
Wesleyan U.	900	0	600	0	0	0	0	0	0	0	300	0	0
Yale U.	465,399	0	185,835	0	36,775	0	94,280	0	285	33,370	108,584	6,270	0
Delaware	15,264	602	1,244	0	2,945	0	5,133	0	0	3,858	1,482	0	0
Public	15,264	602	1,244	0	2,945	0	5,133	0	0	3,858	1,482	0	0
Delaware State U.	4,630	0	430	0	0	0	4,200	0	0	0	0	0	0
U. Delaware	10,634	602	814	0	2,945	0	933	0	0	3,858	1,482	0	0
District of Columbia	36,475	0	15,874	421	5,174	0	9,645	421	0	3,294	0	1,648	0
Public	4,000	0	0	0	4,000	0	0	0	0	0	0	0	0
U. of the District of Columbia	4,000	0	0	0	4,000	0	0	0	0	0	0	0	0
Private	32,475	0	15,874	421	1,174	0	9,645	421	0	3,294	0	1,648	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
American U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Catholic U. of America	0	0	0	0	0	0	0	0	0	0	0	0	0
Gallaudet U.	0	0	0	0	0	0	0	0	0	0	0	0	0
George Washington U.	9,756 i	0 i	9,756 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Georgetown U.	18,180	0	6,118	421	0	0	8,275	421	0	1,297	0	1,648	0
Howard U.	4,540	0	0	0	1,174	0	1,370	0	0	1,996	0	0	0
Florida	193,380	943	41,202	0	6,586	0	129,315	500	0	11,691	332	0	2,810
Public	37,081	943	6,853	0	6,334	0	10,140	0	0	10,000	0	0	2,810
Florida A&M U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida Atlantic U.	1,167	0	1,167	0	0	0	0	0	0	0	0	0	0
Florida Gulf Coast U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida International U.	1,681	0	1,681	0	0	0	0	0	0	0	0	0	0
Florida Polytechnic U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida State U.	7,730	0	4,005	0	3,000	0	725	0	0	0	0	0	0
U. Central Florida	10,000	0	0	0	0	0	0	0	0	10,000	0	0	0
U. Florida	16,103	943	0	0	3,334	0	9,015	0	0	0	0	0	2,810
U. North Florida	0	0	0	0	0	0	0	0	0	0	0	0	0
U. South Florida	400	0	0	0	0	0	400	0	0	0	0	0	0
U. West Florida	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	156,300	0	34,349	0	252	0	119,175	500	0	1,691	332	0	0
Embry-Riddle Aeronautical U.	252	0	0	0	252	0	0	0	0	0	0	0	0
Florida Institute of Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Nova Southeastern U.	123,085	0	5,650	0	0	0	114,911	500	0	1,691	332	0	0
U. Miami	32,963	0	28,699	0	0	0	4,264	0	0	0	0	0	0
Georgia	149,728	560	96,260	4,615	10,730	351	29,533	880	0	4,689	730	1,380	0
Public	89,088	560	66,594	1,615	10,730	351	3,880	880	0	2,718	380	1,380	0
Augusta U.	2,864	0	1,364	0	0	0	1,000	500	0	0	0	0	0
Fort Valley State U.	3,600	560	380	380	380	0	380	380	0	380	380	380	0
Georgia Institute of Technology	15,214	0	1,290	1,235	10,350	351	0	0	0	1,988	0	0	0
Georgia Southern U.	3,200	0	350	0	0	0	2,500	0	0	350	0	0	0
Georgia State U.	2,800	0	2,800	0	0	0	0	0	0	0	0	0	0
Kennesaw State U.	1,000	0	0	0	0	0	0	0	0	0	0	1,000	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Kansas	8,853	0	1,559	632	0	0	4,440	372	0	1,850	0	0	0
Public	8,853	0	1,559	632	0	0	4,440	372	0	1,850	0	0	0
Kansas State U.	4,186	0	536	0	0	0	3,650	0	0	0	0	0	0
U. Kansas	2,577	0	1,023	632	0	0	0	372	0	550	0	0	0
Wichita State U.	2,090	0	0	0	0	0	790	0	0	1,300	0	0	0
Kentucky	15,454	3,200	4,818	0	6,200	0	1,236	0	0	0	0	0	0
Public	15,454	3,200	4,818	0	6,200	0	1,236	0	0	0	0	0	0
Kentucky State U.	3,200	3,200	0	0	0	0	0	0	0	0	0	0	0
Morehead State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Murray State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern Kentucky U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Kentucky	6,200	0	0	0	6,200	0	0	0	0	0	0	0	0
U. Louisville	6,054	0	4,818	0	0	0	1,236	0	0	0	0	0	0
Western Kentucky U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	72,137	4,493	28,717	1,000	18,000	1,581	16,096	0	0	2,250	0	0	0
Public	67,820	4,493	28,717	1,000	17,000	1,581	13,529	0	0	1,500	0	0	0
Louisiana State U., Baton Rouge	16,190	2,293	12,317	0	0	1,581	0	0	0	0	0	0	0
Louisiana State U., Health Sciences Center, New Orleans	14,650	0	14,000	0	0	0	650	0	0	0	0	0	0
Louisiana State U., Health Sciences Center, Shreveport	500	0	500	0	0	0	0	0	0	0	0	0	0
Louisiana Tech U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Northwestern State U. Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern Louisiana U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern U. and A&M C., Agricultural Research and Extension Center	2,480	1,700	401	0	0	0	379	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	6,000	500	1,500	1,000	1,000	0	500	0	0	1,500	0	0	0
U. Louisiana, Lafayette	16,000	0	0	0	16,000	0	0	0	0	0	0	0	0
U. Louisiana, Monroe	12,000	0	0	0	0	0	12,000	0	0	0	0	0	0
U. New Orleans	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	4,317	0	0	0	1,000	0	2,567	0	0	750	0	0	0
Dillard U.	1,750	0	0	0	1,000	0	0	0	0	750	0	0	0
Tulane U.	2,567	0	0	0	0	0	2,567	0	0	0	0	0	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Xavier U. Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Maine	21,038	0	0	1,500	0	970	0	0	0	18,568	0	0	0
Public	1,500	0	0	1,500	0	0	0	0	0	0	0	0	0
U. Maine	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Southern Maine	1,500	0	0	1,500	0	0	0	0	0	0	0	0	0
Private	19,538	0	0	0	0	970	0	0	0	18,568	0	0	0
Bates C.	19,538	0	0	0	0	970	0	0	0	18,568	0	0	0
Bowdoin C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Colby C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New England	0	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	127,889	2,400	38,163	9,559	11,931	660	53,888	0	0	4,402	323	3,813	2,750
Public	77,063	2,400	10,966	0	610	660	53,888	0	0	4,402	323	3,813	0
Bowie State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Morgan State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Salisbury U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Towson U.	5,500	0	0	0	0	0	5,500	0	0	0	0	0	0
U. Baltimore	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Maryland ^a	69,075	2,400	10,072	0	0	0	48,388	0	0	4,402	0	3,813	0
U. Maryland Center for Environmental Science	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Maryland, Baltimore County	2,487	0	895	0	610	660	0	0	0	0	323	0	0
U. Maryland, Eastern Shore	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	50,826	0	27,196	9,559	11,321	0	0	0	0	0	0	0	2,750
Johns Hopkins U.	50,826	0	27,196	9,559	11,321	0	0	0	0	0	0	0	2,750
Massachusetts	607,124	5,200	181,061	7,000	105,818	12,576	70,359	8,648	0	171,938	25,949	17,730	845
Public	166,325	0	40,941	0	35,625	0	65,359	7,000	0	6,400	11,000	0	0
U. Massachusetts, Amherst	56,280	0	0	0	2,000	0	34,280	7,000	0	2,000	11,000	0	0
U. Massachusetts, Boston	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Dartmouth	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Lowell	68,615	0	13,590	0	33,625	0	17,000	0	0	4,400	0	0	0
U. Massachusetts, Medical School	41,430	0	27,351	0	0	0	14,079	0	0	0	0	0	0
Private	440,799	5,200	140,120	7,000	70,193	12,576	5,000	1,648	0	165,538	14,949	17,730	845

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Amherst C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Boston C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Boston U.	5,448	0	258	0	1,200	0	0	0	0	3,676	314	0	0
Brandeis U.	4,408	0	2,208	0	0	0	0	0	0	2,200	0	0	0
Clark U.	9,000	0	7,000	0	0	0	0	0	0	0	0	2,000	0
Harvard U.	277,896	0	88,404	0	16,416	6,626	0	1,648	0	135,112	14,635	15,055	0
Massachusetts Institute of Technology	19,720	0	5,900	1,500	10,400	0	0	0	0	400	0	675	845
MGH Institute of Health Professions	0	0	0	0	0	0	0	0	0	0	0	0	0
Mount Holyoke C.	0	0	0	0	0	0	0	0	0	0	0	0	0
New England C. of Optometry	0	0	0	0	0	0	0	0	0	0	0	0	0
Northeastern U.	43,500	0	4,000	5,500	7,000	0	3,250	0	0	23,750	0	0	0
Smith C.	1,000	0	1,000	0	0	0	0	0	0	0	0	0	0
Tufts U.	65,600	5,200	31,100	0	21,900	5,650	1,750	0	0	0	0	0	0
Wellesley C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Woods Hole Oceanographic Institution	2,750	0	250	0	1,800	300	0	0	0	400	0	0	0
Worcester Polytechnic Institute	11,477	0	0	0	11,477	0	0	0	0	0	0	0	0
Michigan	87,240	6,721	24,627	325	17,259	875	23,371	0	0	5,537	650	675	7,200
Public	77,790	6,721	19,677	325	15,759	875	20,371	0	0	5,537	650	675	7,200
Central Michigan U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern Michigan U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Valley State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Michigan State U.	21,699	6,721	5,146	0	912	0	562	0	0	1,157	0	0	7,200
Michigan Technological U.	1,860	0	0	0	1,860	0	0	0	0	0	0	0	0
Northern Michigan U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Oakland U.	4,000	0	0	0	3,000	0	0	0	0	1,000	0	0	0
Saginaw Valley State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Michigan, Ann Arbor	32,481	0	9,789	0	8,363	0	12,211	0	0	2,118	0	0	0
U. Michigan, Dearborn	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne State U.	17,751	0	4,741	325	1,624	875	7,598	0	0	1,262	650	675	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	9,450	0	4,950	0	1,500	0	3,000	0	0	0	0	0	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Calvin U.	3,000	0	0	0	0	0	3,000	0	0	0	0	0	0
Hope C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Kettering U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Detroit Mercy	1,500	0	0	0	1,500	0	0	0	0	0	0	0	0
Van Andel Research Institute	4,950	0	4,950	0	0	0	0	0	0	0	0	0	0
Minnesota	12,248	683	784	0	282	0	0	0	0	0	0	10,500	0
Public	1,346	683	382	0	282	0	0	0	0	0	0	0	0
Minnesota State U., Mankato	282	0	0	0	282	0	0	0	0	0	0	0	0
St. Cloud State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Minnesota, Duluth	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Minnesota, Twin Cities	1,065	683	382	0	0	0	0	0	0	0	0	0	0
Private	10,902	0	402	0	0	0	0	0	0	0	0	10,500	0
Carleton C.	10,902	0	402	0	0	0	0	0	0	0	0	10,500	0
Macalester C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of St. Thomas (MN)	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi	9,549	3,086	1,350	0	4,313	0	0	0	800	0	0	0	0
Public	9,549	3,086	1,350	0	4,313	0	0	0	800	0	0	0	0
Alcorn State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Mississippi State U.	7,399	3,086	0	0	4,313	0	0	0	0	0	0	0	0
U. Mississippi	700	0	700	0	0	0	0	0	0	0	0	0	0
U. Southern Mississippi	1,450	0	650	0	0	0	0	0	800	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Tougaloo C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	128,071	0	35,710	2,500	7,500	3,000	62,340	3,500	0	12,371	700	450	0
Public	52,150	0	698	0	0	0	50,250	0	0	1,202	0	0	0
Lincoln U., Jefferson City	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri State U.	698	0	698	0	0	0	0	0	0	0	0	0	0
Missouri U. of Science and Technology	292	0	0	0	0	0	0	0	0	292	0	0	0
U. Missouri, Columbia	50,000	0	0	0	0	0	50,000	0	0	0	0	0	0
U. Missouri, Kansas City	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Missouri, Saint Louis	1,160	0	0	0	0	0	250	0	0	910	0	0	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Private	75,921	0	35,012	2,500	7,500	3,000	12,090	3,500	0	11,169	700	450	0
Saint Louis U.	13,500	0	8,000	2,500	0	3,000	0	0	0	0	0	0	0
U. of Health Sciences and Pharmacy in St. Louis	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington U., Saint Louis	62,421	0	27,012	0	7,500	0	12,090	3,500	0	11,169	700	450	0
Montana	2,292	380	1,912	0	0	0	0	0	0	0	0	0	0
Public	2,292	380	1,912	0	0	0	0	0	0	0	0	0	0
Montana State U., Bozeman	380	380	0	0	0	0	0	0	0	0	0	0	0
Montana Technological U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Montana, Missoula	1,912	0	1,912	0	0	0	0	0	0	0	0	0	0
Nebraska	18,633	6,665	7,045	0	0	0	2,000	0	1,120	1,134	0	670	0
Public	18,633	6,665	7,045	0	0	0	2,000	0	1,120	1,134	0	670	0
U. Nebraska, Kearney	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Nebraska, Lincoln	12,830	6,665	5,045	0	0	0	0	0	1,120	0	0	0	0
U. Nebraska, Medical Center	4,000	0	2,000	0	0	0	2,000	0	0	0	0	0	0
U. Nebraska, Omaha	1,804	0	0	0	0	0	0	0	0	1,134	0	670	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Creighton U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Nevada	1,945	0	1,195	0	400	350	0	0	0	0	0	0	0
Public	1,945	0	1,195	0	400	350	0	0	0	0	0	0	0
Desert Research Institute	350	0	0	0	0	350	0	0	0	0	0	0	0
U. Nevada, Las Vegas	400	0	0	0	400	0	0	0	0	0	0	0	0
U. Nevada, Reno	1,195	0	1,195	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Roseman U. of Health Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
New Hampshire	3,120	0	1,500	0	1,620	0	0	0	0	0	0	0	0
Public	0	0	0	0	0	0	0	0	0	0	0	0	0
Keene State C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Hampshire	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	3,120	0	1,500	0	1,620	0	0	0	0	0	0	0	0
Dartmouth C.	3,120	0	1,500	0	1,620	0	0	0	0	0	0	0	0
New Jersey	116,875	0	8,875	0	48,264	4,980	41,166	250	0	6,534	807	6,000	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Cornell U.	67,252	8,502	43,879	340	7,650	0	0	0	0	6,298	0	0	583
Fordham U.	1,000	0	0	1,000	0	0	0	0	0	0	0	0	0
Hobart and William Smith Colleges	0	0	0	0	0	0	0	0	0	0	0	0	0
Icahn School of Medicine at Mount Sinai	30,000	0	30,000	0	0	0	0	0	0	0	0	0	0
Ithaca C.	1,296	0	921	0	0	0	375	0	0	0	0	0	0
Long Island U.	7,100	2,100	0	0	1,500	0	3,500	0	0	0	0	0	0
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	625	0	625	0	0	0	0	0	0	0	0	0	0
New School	0	0	0	0	0	0	0	0	0	0	0	0	0
New York Medical C.	8,695	0	8,695	0	0	0	0	0	0	0	0	0	0
New York U.	123,350	0	115,850	0	7,500	0	0	0	0	0	0	0	0
Pace U.	525	0	0	0	0	0	525	0	0	0	0	0	0
Rensselaer Polytechnic Institute	2,340	0	280	0	2,060	0	0	0	0	0	0	0	0
Rochester Institute of Technology	10,000	0	0	0	10,000	0	0	0	0	0	0	0	0
Rockefeller U.	40,935	0	40,935	0	0	0	0	0	0	0	0	0	0
Skidmore C.	22,880	0	7,935	0	0	0	7,561	0	0	0	7,384	0	0
St. John's U., New York	668	0	350	0	0	0	318	0	0	0	0	0	0
Syracuse U.	47,300	0	0	0	32,490	0	0	0	0	14,810	0	0	0
Teachers C., Columbia U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Rochester	5,604	0	0	0	0	695	0	0	0	4,909	0	0	0
Vassar C.	0	0	0	0	0	0	0	0	0	0	0	0	0
Yeshiva U.	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina	154,272	14,239	40,935	19,100	33,765	875	8,371	257	0	27,064	666	9,000	0
Public	115,807	14,239	14,435	19,100	33,765	875	5,406	257	0	27,064	666	0	0
Appalachian State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
East Carolina U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Elizabeth City State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Fayetteville State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina Agricultural and Technical State U.	5,100	5,100	0	0	0	0	0	0	0	0	0	0	0
North Carolina Central U.	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina State U.	25,725	9,139	12,021	0	3,765	513	0	0	0	0	286	0	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Oberlin C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Dayton	8,525	0	2,100	0	2,225	2,100	0	0	0	2,100	0	0	0
Oklahoma	46,000	30,000	16,000	0	0	0	0	0	0	0	0	0	0
Public	46,000	30,000	16,000	0	0	0	0	0	0	0	0	0	0
Langston U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Oklahoma State U., Center for Health Sciences	16,000	0	16,000	0	0	0	0	0	0	0	0	0	0
Oklahoma State U., Stillwater	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Central Oklahoma	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Oklahoma, Norman and Health Science Center	30,000	30,000	0	0	0	0	0	0	0	0	0	0	0
U. Oklahoma, Tulsa	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Tulsa	0	0	0	0	0	0	0	0	0	0	0	0	0
Oregon	176,120	51,000	82,100	2,000	0	7,000	4,020	0	0	30,000	0	0	0
Public	174,120	51,000	82,100	0	0	7,000	4,020	0	0	30,000	0	0	0
Oregon Health and Science U.	4,020	0	0	0	0	0	4,020	0	0	0	0	0	0
Oregon Institute of Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Oregon State U.	58,000	51,000	0	0	0	7,000	0	0	0	0	0	0	0
Portland State U.	48,500	0	18,500	0	0	0	0	0	0	30,000	0	0	0
U. Oregon	63,600	0	63,600	0	0	0	0	0	0	0	0	0	0
Private	2,000	0	0	2,000	0	0	0	0	0	0	0	0	0
Lewis and Clark C.	0	0	0	0	0	0	0	0	0	0	0	0	0
National U. of Natural Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Reed C.	2,000	0	0	2,000	0	0	0	0	0	0	0	0	0
Pennsylvania	403,549	19,723	30,735	2,611	70,644	15,400	52,745	330	0	163,100	1,650	46,610	0
Public	144,900	19,723	12,725	1,351	56,215	15,000	39,555	330	0	0	0	0	0
Indiana U. Pennsylvania	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania State U., Behrend	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania State U., Harrisburg	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania State U., University Park and Hershey Medical Center	104,875	19,723	6,700	1,351	52,215	15,000	9,555	330	0	0	0	0	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
U. Texas Medical Branch	2,946	0	2,946	0	0	0	0	0	0	0	0	0	0
U. Texas Rio Grande Valley	115,000	0	0	0	70,000	45,000	0	0	0	0	0	0	0
U. Texas Southwestern Medical Center	44,369	0	32,160	0	0	0	12,210	0	0	0	0	0	0
U. Texas, Arlington	820	0	0	0	250	0	0	0	0	570	0	0	0
U. Texas, Austin	23,059	0	13,065	0	3,988	340	0	0	0	1,875	0	0	3,791
U. Texas, Dallas	685	0	0	0	685	0	0	0	0	0	0	0	0
U. Texas, El Paso	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas, San Antonio	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas, Tyler	0	0	0	0	0	0	0	0	0	0	0	0	0
West Texas A&M U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	23,528	0	8,071	1,035	10,203	0	0	0	800	945	0	575	1,898
Abilene Christian U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Baylor C. of Medicine	4,600	0	4,600	0	0	0	0	0	0	0	0	0	0
Baylor U.	14,360	0	2,915	680	9,020	0	0	0	800	945	0	0	0
Rice U.	3,743	0	306	355	1,183	0	0	0	0	0	0	0	1,898
Southern Methodist U.	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Edward's U.	250	0	250	0	0	0	0	0	0	0	0	0	0
Texas Christian U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Trinity U.	575	0	0	0	0	0	0	0	0	0	0	575	0
Utah	46,700	0	12,967	0	15,786	0	9,248	0	0	5,600	0	3,100	0
Public	40,714	0	12,967	0	9,799	0	9,248	0	0	5,600	0	3,100	0
U. Utah	40,714	0	12,967	0	9,799	0	9,248	0	0	5,600	0	3,100	0
Utah State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	5,987	0	0	0	5,987	0	0	0	0	0	0	0	0
Brigham Young U., Provo	5,987	0	0	0	5,987	0	0	0	0	0	0	0	0
Vermont	19,655	15,793	525	0	0	0	0	0	2,600	0	250	487	0
Public	19,168	15,793	525	0	0	0	0	0	2,600	0	250	0	0
U. Vermont	19,168	15,793	525	0	0	0	0	0	2,600	0	250	0	0
Private	487	0	0	0	0	0	0	0	0	0	0	487	0
Middlebury C.	487	0	0	0	0	0	0	0	0	0	0	487	0
Virginia	74,235	947	3,639	0	5,500	0	7,150	2,660	0	52,590	1,750	0	0
Public	74,235	947	3,639	0	5,500	0	7,150	2,660	0	52,590	1,750	0	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Christopher Newport U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern Virginia Medical School	300	0	300	0	0	0	0	0	0	0	0	0	0
George Mason U.	0	0	0	0	0	0	0	0	0	0	0	0	0
James Madison U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Norfolk State U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Old Dominion U.	18,810	0	1,750	0	5,500	0	7,150	2,660	0	0	1,750	0	0
U. Virginia, Charlottesville	52,590	0	0	0	0	0	0	0	0	52,590	0	0	0
Virginia Commonwealth U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Polytechnic Institute and State U.	2,035	947	1,089	0	0	0	0	0	0	0	0	0	0
Virginia State U.	500	0	500	0	0	0	0	0	0	0	0	0	0
William & Mary	0	0	0	0	0	0	0	0	0	0	0	0	0
Private	0	0	0	0	0	0	0	0	0	0	0	0	0
Edward Via C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0	0	0	0
Hampton U.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Richmond	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	106,091	6,616	35,188	1,250	0	7,365	35,291	0	0	20,382	0	0	0
Public	106,091	6,616	35,188	1,250	0	7,365	35,291	0	0	20,382	0	0	0
Central Washington U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern Washington U.	57,799	0	30,417	0	0	7,365	0	0	0	20,018	0	0	0
Northwest Indian C.	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Washington, Bothell	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Washington, Seattle	23,010	0	0	1,250	0	0	21,760	0	0	0	0	0	0
U. Washington, Tacoma	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington State U.	25,282	6,616	4,772	0	0	0	13,531	0	0	364	0	0	0
Western Washington U.	0	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia	4,650	4,000	250	400	0	0	0	0	0	0	0	0	0
Public	4,650	4,000	250	400	0	0	0	0	0	0	0	0	0
Marshall U.	0	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia State U.	4,650	4,000	250	400	0	0	0	0	0	0	0	0	0
West Virginia U.	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	39,150	9,658	25,707	0	2,534	0	1,000	0	0	0	0	250	0

TABLE 21

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and field: Planned to start in FY 2022 or FY 2023

(Costs in thousands of dollars)

State or territory, control, and institution	All fields	Agricultural sciences	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric sciences, and ocean sciences	Health sciences	Mathematics and statistics	Natural resources and conservation	Physical sciences	Psychology	Social sciences	Other
Ponce Health Sciences U.	4,414	0	4,414	0	0	0	0	0	0	0	0	0	0
U. Ana G. Mendez, Gurabo	7,166 i	0 i	0 i	0 i	0 i	0 i	7,166 i	0 i	0 i	0 i	0 i	0 i	0 i
U. Central del Caribe	0	0	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	609	609	0	0	0	0	0	0	0	0	0	0	0
Public	609	609	0	0	0	0	0	0	0	0	0	0	0
U. of the Virgin Islands	609	609	0	0	0	0	0	0	0	0	0	0	0

i = imputed.

^a The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^b Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

Note(s):

Details may not add to totals due to rounding. Unit nonrespondent imputed data are not published in this table. Therefore, aggregated totals will not match totals in tables 18, 19, and 22, which include unit nonrespondent imputed data.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Alabama											
Public											
Alabama A&M U.	0	NA	0	0	1,919	0	382	4,804	0	3,500	0
Alabama State U.	0	0	0	0	0	0	4,800	275	300	3,000	0
Auburn U., Auburn	na	na	0	6,041	1,714	22,388	0	0	0	0	0
Troy U.	ne	ne	ne	ne	ne	ne	ne	0	0	0	0
U. Alabama, Birmingham	2,945	5,087	8,118	441	294	2,264	0	7,704	14,507	10,795	0
U. Alabama, Huntsville	0	0	0	975	0	320	0	677	0	0	0
U. Alabama, Tuscaloosa	0	707	2,642	400	8,568	14,951	13,952	2,206	1,969	0	0
U. South Alabama	0	0	0	0	1,376	1,750	2,411	0	0	0	0
Private											
Tuskegee U.	11,529	0	0	0	0	0	0	0	0	0	0
Alaska											
Public											
U. Alaska, Anchorage	0	NA	NA	27,900	0	0	0	0	0	0	0
U. Alaska, Fairbanks	NA	9,000	2,942	13,427	18,288	6,498	6,487	6,853	4,414	190,500	0
U. Alaska, Southeast	ne	NA	3,450	0	0	0	0	1,125	1,125	2,500	0
Private											
Alaska Pacific U.	ne	ne	ne	ne	ne	0	0	500	0	0	0
Arizona											
Public											
Arizona State U.	2,366	7,449	21,375	34,247	26,180	29,478	33,748	53,198	9,757	0	0
Northern Arizona U.	750	500	5,000	1,889	3,641	4,474	498	0	2,455	0	0
U. Arizona	11,685	2,918	5,725	53,029	8,607	21,000	24,320	23,859	14,853	0	39,517
Arkansas											
Public											
Arkansas State U., Jonesboro	403	0	2,000	1,800	1,800	0	0	350	0	0	0
U. Arkansas for Medical Sciences	0	2,267	10,974	430	0	2,879	3,511	20,221	0	0	0
U. Arkansas, Fayetteville	6,165	0	0	463	2,571	2,920	1,805	4,470	625	32,000	0
U. Arkansas, Little Rock	3,000	0	0	0	0	0	2,600	0	0	0	0
U. Arkansas, Pine Bluff	0	0	0	1,200	0	0	0	14,529	0	0	0
U. Central Arkansas	0	0	0	0	0	260	530	0	0	0	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
California											
Public											
California Polytechnic State U., San Luis Obispo	1,650	0	250	0	0	1,044	922	600	1,750	0	9,000
California State Polytechnic U., Pomona	0	463	1,592	15,014	250	0	0	0	0	0	5,500
California State U., Bakersfield	0	1,025	675	0	0	0	643	0	0	0	0
California State U., Channel Islands	ne	ne	ne	ne	0	0	0	0	0	0	0
California State U., Chico	0	0	0	0	0	0	500	0	0	0	0
California State U., Dominguez Hills	0	0	0	0	0	0	0	0	0	0	0
California State U., East Bay	0	0	0	0	ne	ne	ne	0	0	0	0
California State U., Fresno	0	667	0	0	0	0	0	0	0	0	0
California State U., Fullerton	800	900	3,440	0	3,000	0	0	0	27,000	0	0
California State U., Long Beach	0	0	0	0	0	0	14,061	0	63,000	0	0
California State U., Los Angeles	0	0	0	1,734	0	0	0	0	0	0	0
California State U., Maritime Academy	ne	ne	ne	300	0	0	0	0	0	0	0
California State U., Monterey Bay	0	0	0	0	0	0	0	0	0	0	0
California State U., Northridge	921	0	0	342	679	1,504	1,345	0	0	0	0
California State U., Sacramento	0	0	1,300	0	360	0	0	0	0	10,900	0
California State U., San Bernardino	1,254	787	0	0	0	0	0	0	1,004	0	0
California State U., San Marcos	ne	ne	NA	0	0	0	250	0	0	0	0
California State U., Stanislaus	ne	ne	ne	0	ne	0	0	0	277	0	0
Humboldt State U.	0	NA	0	0	0	0	0	0	12,100	750	0
San Diego State U.	1,877	1,400	1,516	1,400	0	6,060	1,050	5,813	0	0	0
San Francisco State U.	NA	3,210	0	0	0	0	0	0	0	0	0
San Jose State U.	0	0	1,500	14,035	500	1,476	0	0	0	0	0
Sonoma State U.	ne	ne	ne	0	0	ne	ne	0	0	0	0
U. California, Berkeley	20,055	19,534	72,051	20,100	34,860	35,450	44,000	43,300	128,500	741,020	3,300
U. California, Davis	110,181	57,272	41,200	22,443	2,395	67,069	68,454	20,172	118,200	11,982	86,585
U. California, Irvine	10,265	8,999	39,102	17,453	4,900	26,910	23,703	63,568	12,377	186,866	9,001
U. California, Los Angeles	5,790	9,524	48,619	179,184	202,438	116,150	14,998	14,578	34,153	0	0
U. California, Merced	1,225	7,447	0	0	0	524	8,974	5,132	8,200	0	0
U. California, Riverside	4,102	15,535	15,173	15,341	0	10,000	114,678	28,000	0	38,574	0
U. California, San Diego	18,353	16,121	8,305	40,894	44,218	21,739	158,364	148,277	173,682	0	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Colorado School of Mines	956	1,900	2,946	2,265	1,703	1,713	872	7,823	1,106	0	0
Colorado State U., Fort Collins	500	4,896	1,050	6,471	8,718	252	3,498	2,876	2,073	0	0
Colorado State U., Pueblo	ne	ne	ne	ne	ne	ne	0 i	0 i	0 i	0 i	0 i
Fort Lewis C.	ne	ne	ne	ne	ne	ne	0	0	0	0	0
U. Colorado Boulder	0	0	8,767	19,692	59,666	31,527	13,492	5,536	27,741	0	0
U. Colorado Colorado Springs	0	0	17,085	0	0	570	1,471	0	0	0	0
U. Colorado Denver and Anschutz Medical Campus	6,552	25,424	3,551	271	6,388	1,947	6,249	26,372	4,688	17,038	0
U. Northern Colorado	0	0	0	0	0	0	0	0	0	0	0
Private											
U. Denver	0	450	0	1,171	3,270	1,521	394	0	0	0	0
Connecticut											
Public											
Eastern Connecticut State U.	ne	ne	ne	ne	ne	ne	ne	1,372	0	0	0
Southern Connecticut State U.	NA	0	ne	0	0	0	0	0	0	0	0
U. Connecticut	314	52,515	4,752	98,344	22,397	43,190	73,762	21,778	33,259	61,700	0
Private											
Connecticut C.	NA	ne	NA	0	0	0	0	0	0	0	0
Trinity C., Hartford	ne	ne	2,000	1,225	0	430	400	301	0	0	0
U. Hartford	0	0	0	0	700	0	ne	0	0	0	0
U. New Haven	ne	ne	ne	ne	ne	9,835	9,672	4,774	5,000	1,550	0
Wesleyan U.	580	1,050	3,257	2,745	4,097	3,006	2,201	1,801	900	5,922	15,967
Yale U.	187,441	141,291	113,456	201,349	265,364	102,058	114,062	378,885	465,399	255,909	0
Delaware											
Public											
Delaware State U.	1,763	0	500	600	1,590	350	426	677	4,630	8,500	2,050
U. Delaware	32,183	7,968	0	6,817	14,103	10,939	4,856	10,008	10,634	36,533	0
District of Columbia											
Public											
U. of the District of Columbia	0	0	260	4,500	10,500	800	2,000	0	4,000	250	0
Private											
American U.	0	3,100	0	1,400 i	0	1,155	0	0	0	0	1,000
Catholic U. of America	0	NA	NA	0	2,430	1,001	800	3,143	0	0	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Gallaudet U.	NA	NA	520	657	0	0	0	0	0	0	0
George Washington U.	67,600	345	40,535	52,235	25,909	36,518	15,550	6,550	9,756	0	0
Georgetown U.	16,505	1,940	17,408	10,407	12,315	0	3,300	10,795	18,180	109,142	0
Howard U.	550	1,385	9,529	14,450	2,000	6,000	10,351	7,277	4,540	12,373	0
Florida											
Public											
Florida A&M U.	3,000	1,400	7,600	2,400	3,032	545	514	2,580	0	0	0
Florida Atlantic U.	0	0	3,318	1,262	0	700	582	716	1,167	0	0
Florida Gulf Coast U.	251	0	0	0	0	0	0	0	0	0	0
Florida International U.	2,607	1,317	9,003	6,631	1,534	4,051	2,273	4,171	1,681	0	0
Florida Polytechnic U.	ne	ne	ne	ne	ne	ne	0	0	0	0	0
Florida State U.	0	0	0	1,619	3,459	5,468	39,538	8,476	7,730	0	0
U. Central Florida	0	0	0	320	7,171	12,100	647	5,183	10,000	0	27,248
U. Florida	4,100	390	8,236	7,031	67,659	12,640	4,796	14,222	16,103	372,578	0
U. North Florida	NA	0	0	0	0	0	6,840	0	0	0	0
U. South Florida ^b	4,349	4,985	6,342	5,731	6,218	2,361	14,177	7,794	400	98,780	0
U. West Florida	0	0	0	0	0	0	0	0	0	0	0
Private											
Embry-Riddle Aeronautical U.	0	0	0	0	0	0	0	700	252	0	0
Florida Institute of Technology	0	0	0	2,099	2,170	0	3,327	545	0	0	0
Nova Southeastern U.	0	0	0	0	4,482	1,742	0	4,951	123,085	0	503
U. Miami	28,800	17,051	7,018	21,856	75,372	10,844	9,011	21,786	32,963	70,514	0
Georgia											
Public											
Augusta U.	na	na	na	569	2,538	6,724	440	1,259	2,864	0	0
Fort Valley State U.	0	0	0	361	361	0	2,836	879	3,600	0	0
Georgia Institute of Technology	6,400	22,500	15,600	18,700	22,288	7,164	92,142	43,306	15,214	242,560	19,705
Georgia Southern U.	0	6,841	0	0	0	0	5,000	0	3,200	0	0
Georgia State U.	5,466	6,181	8,230	4,372	2,500	1,281	6,805	5,005	2,800	2,700	0
Kennesaw State U.	ne	ne	0	0	0	1,000	0	1,497	1,000	0	0
Savannah State U.	1,146	0	250	0	0	0	0	3,700	0	1,800	0
U. Georgia	1,685	2,800	3,967	12,821	6,729	16,964	10,446	4,678	60,410	0	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Private											
Clark Atlanta U.	0	0	250	250	2,036	0	0	15,457	9,500	0	0
Emory U.	7,055	2,942	0	4,167	1,001	5,197	5,844	5,844	47,890	250	0
Mercer U.	0	1,663	0	0	0	0	49,201	16,486	0	0	0
Morehouse C.	2,256	0	0	0	0	0	0	1,208	750	0	0
Morehouse School of Medicine	0	354	0	10,000	0	1,326	0	0	2,500	15,000	0
Spelman C.	0	0	0	0	0	0	0	0	0	0	0
Hawaii											
Public											
U. Hawaii, Hilo	0	0	4,000	0	0	0	0	7,445	515	515	0
U. Hawaii, Manoa	19,184	26,768	2,400	12,041	7,035	51,376	12,448	16,066	27,694	53,701	0
Private											
Hawaii Pacific U.	ne	ne	ne	0	0	0	0	0	0	0	0
Idaho											
Public											
Boise State U.	727	1,100	1,171	6,768	7,557	0	0	1,550	0	3,475	0
Idaho State U.	0	2,214	0	0	4,643	0	1,736	0	0	82,440	0
U. Idaho	1,732	9,320	1,216	6,218	6,398	5,487	8,897	5,047	7,506	14,985	0
Illinois											
Public											
Illinois State U.	0	0	0	0	643	0	0	11,400	1,185	0	0
Northeastern Illinois U.	ne	0	ne	ne	ne	ne	0	0	0	0	0
Northern Illinois U.	0	0	0	0	0	0	3,137	0	0	0	0
Southern Illinois U., Carbondale	0	0	0	0	0	0	0	0	0	0	0
Southern Illinois U., Edwardsville	0	0	4,680	0	0	0	600	0	0	0	0
U. Illinois, Chicago	13,768	3,776	632	449	575	2,734	16,217	11,381	17,488	152,921	0
U. Illinois, Springfield	350	0	0	0	0	415	0	0	0	0	0
U. Illinois, Urbana-Champaign	15,120	15,620	21,400	9,116	1,804	83,733	35,361	5,264	4,694	0	0
Western Illinois U.	0	0	0	0	0	0	0	0	0	0	0
Private											
DePaul U.	0	0	0	0	6,600	0	0	0	0	0	0
Illinois Institute of Technology	0	0	0	500	525	1,224	0	0	0	0	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
U. Maine	0	0	3,690	0	0	0	0	2,900	0	0	0
U. Southern Maine	0	0	0	761	330	0	0	0	1,500	0	0
Private											
Bates C.	1,154	ne	0	0	0	0	0	0	19,538	0	0
Bowdoin C.	NA	NA	NA	0	705	0	0	371	0	0	0
Colby C.	0	0	0	0	700	2,080	0	0	0	0	0
U. New England	NA	0	0	750	0	0	0	0	0	0	0
Maryland											
Public											
Bowie State U.	0	ne	ne	300	0	0	0	0	0	0	0
Morgan State U.	0	0	0	0	0	0	0	0	0	0	0
Salisbury U.	ne	ne	ne	0	0	0	386	0	0	0	0
Towson U.	0	755	1,000	4,400	0	500	0	0	5,500	0	0
U. Baltimore	NA	0	0	0	0	0	0	0	0	0	0
U. Maryland ^d	na	na	na	na	na	na	52,799	68,065	69,075	364,532	193,654
U. Maryland Center for Environmental Science	0	0	250 i	0	1,598	2,536	1,549	1,468	0	0	46,405
U. Maryland, Baltimore County	0	713	2,881	550	510	2,158	966	2,286	2,487	172,900	74,200
U. Maryland, Eastern Shore	900	1,060	534	1,230	0	0	2,500	0	0	1,850	0
Private											
Johns Hopkins U.	22,755	27,716	36,059	77,050	69,161	22,604	10,438	38,999	50,826	32,000	0
Massachusetts											
Public											
Framingham State U.	ne	ne	ne	ne	ne	ne	ne	0 i	0 i	0 i	0 i
U. Massachusetts, Amherst	18,897	34,291	53,961	53,347	24,974	9,112	41,338	17,800	56,280	0	0
U. Massachusetts, Boston	760	6,073	750	0	503	0	6,819	0	0	0	0
U. Massachusetts, Dartmouth	0	2,230	1,300	4,417	11,502	10,155	0	500	0	24,000	0
U. Massachusetts, Lowell	0	0	4,000	3,000	9,978	62,632	26,065	19,520	68,615	88,830	70,000
U. Massachusetts, Medical School	40,000	13,301	5,843	16,992	6,334	8,467	12,550	22,600	41,430	77,520	0
Private											
Amherst C.	0	0	0	0	0	0	0	0	0	0	0
Boston C.	7,618	20,801	4,785	6,739	7,902	7,786	1,837	2,687	0	0	0
Boston U.	15,741	34,051	19,302	24,132	8,293	29,921	28,306	18,385	5,448	0	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

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										Included in institutional plan	Not included in institutional plan
U. Detroit Mercy	ne	ne	0	ne	0	500	250	0	1,500	0	0
Van Andel Research Institute	ne	ne	ne	ne	ne	14,705	2,331	0	4,950	0	0
Minnesota											
Public											
Minnesota State U., Mankato	ne	0	0	0	0	0	0	0	282	1,963	0
St. Cloud State U.	0	5,000	0	0	0	0	600	0	0	0	0
U. Minnesota, Duluth	na	na	0	0	368	0	0	1,369	0	4,597	0
U. Minnesota, Twin Cities	na	na	13,969	22,960	19,590	38,401	25,425	75,961	1,065	125,919	0
Private											
Carleton C.	807	710	1,475	889	0	0	0	22,269	10,902	0	0
Macalester C.	0	0	0	0	260	0	0	0	0	0	0
U. of St. Thomas (MN)	ne	ne	NA	ne	ne	ne	0	0	0	0	0
Mississippi											
Public											
Alcorn State U.	13,000	0	0	0	0	1,055	3,655	0	0	0	0
Jackson State U.	NA	0	0	0	0	0	0	0	0	0	0
Mississippi State U.	2,419	8,936	2,260	2,300	1,110	0	1,865	1,600	7,399	0	1,750
U. Mississippi	3,000	9,790	1,855	762	616	1,600	452	0	700	0	0
U. Southern Mississippi	0	0	270	0	0	0	0	1,300	1,450	3,900	0
Private											
Tougaloo C.	ne	0	0	0	0	0	0	0	0	0	0
Missouri											
Public											
Lincoln U., Jefferson City	0	0	312	0	0	0	0	0	0	0	0
Missouri State U.	12,000	6,150	1,400	0	0	0	799	0	698	5,289	786
Missouri U. of Science and Technology	914	694	6,452	7,152	461	18,076	8,971	2,744	292	263	1,799
U. Missouri, Columbia	8,363	31,501	13,716	2,328	6,126	50,724	16,300	13,761	50,000	0	0
U. Missouri, Kansas City	1,072	10,257	1,200	0	2,137	3,210	22,620	0	0	37,657	0
U. Missouri, Saint Louis	5,250	0	0	0	0	0	1,391	2,339	1,160	0	17,155
Private											
Saint Louis U.	5,496	2,200	2,526	3,289	5,710	4,667	41,518	10,416	13,500	0	0
U. of Health Sciences and Pharmacy in St. Louis	ne	ne	ne	ne	ne	ne	ne	1,200	0	0	12,000

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

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										Included in institutional plan	Not included in institutional plan
Washington U., Saint Louis	41,794	21,752	38,684	52,541	21,383	83,593	48,553	41,249	62,421	14,000	0
Montana											
Public											
Montana State U., Bozeman	2,583	2,100	18,489	0	0	0	0	0	380	0	0
Montana Technological U.	0	0	0	0	0	250	550	0	0	0	0
U. Montana, Missoula	965	447	263	3,283	2,250	2,750	1,090	1,142	1,912	0	0
Nebraska											
Public											
U. Nebraska, Kearney	ne	ne	NA	ne	0	0	0	997	0	0	0
U. Nebraska, Lincoln	15,740	97,066	12,547	28,044	12,325	40,678	10,051	24,231	12,830	97,780	0
U. Nebraska, Medical Center	1,340	0	0	16,870	8,993	1,615	0	0	4,000	0	0
U. Nebraska, Omaha	0	0	692	7,267	0	0	0	0	1,804	0	0
Private											
Creighton U.	6,263	3,975	1,107	597	0	6,470	3,582	13,573	0	0	0
Nevada											
Public											
Desert Research Institute	468	0	784	0	0	0	520	250	350	6,211	0
U. Nevada, Las Vegas	0	962	4,461	1,080	293	0	9,259	4,820	400	609	0
U. Nevada, Reno	3,351	3,390	1,326	282	760	5,464	3,353	10,296	1,195	0	304
Private											
Roseman U. of Health Sciences	ne	ne	ne	ne	3,277	0	0	0	0	0	0
New Hampshire											
Public											
Keene State C.	ne	ne	ne	0	0	0	ne	0	0	0	0
U. New Hampshire	403	0	11,190	2,512	755	2,870	36,050	1,200	0	0	0
Private											
Dartmouth C.	NA	3,898	1,617	3,713	6,033	20,134	288	6,523	3,120	0	0
New Jersey											
Public											
C. New Jersey	NA	ne	ne	ne	ne	0	ne	0	0	0	0
Kean U.	ne	ne	ne	0	ne	ne	ne	0	0	0	0
Montclair State U.	NA	4,450	0	0	2,580	0	0	3,850	0	22,500	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
New Jersey Institute of Technology	0	1,800	0	0	7,676	4,259	6,883	10,933	4,000	0	1,497
Rowan U.	250	2,035	0	4,460	0	8,000	8,929	1,379	0	0	0
Rutgers, State U. New Jersey, Camden	na	na	500	0	0	4,144	1,100	500	0	0	0
Rutgers, State U. New Jersey, New Brunswick ^e	na	na	16,613	10,030	57,473	70,060	33,612	204,073	67,665	528,909	0
Rutgers, State U. New Jersey, Newark	na	na	3,522	581	1,202	250	300	1,100	1,600	1,350	3,500
Stockton U.	ne	ne	ne	ne	0	ne	0	500	0	0	600
William Paterson U.	ne	ne	ne	ne	ne	ne	0	0	0	0	0
Private											
Monmouth U.	0	0	0	ne	ne	ne	0	0	0	0	0
Princeton U.	16,306	20,561	67,520	43,548	83,236	44,656	69,966	54,207	40,659	0	0
Stevens Institute of Technology	1,000	750	500	0	542	5,573	3,961	1,478	2,951	0	2,375
New Mexico											
Public											
New Mexico Highlands U.	0	0	300	0	ne	0	ne	0	0	0	0
New Mexico Institute of Mining and Technology	0	2,500	0	0	0	0	0	12,568	0	0	0
New Mexico State U.	1,830	4,106	294	1,148	0	18,503	1,042	0	0	0	0
U. New Mexico	8,473	5,510	5,208	0	22,576	26,372	6,275	1,500	450	0	16,654
New York											
Public											
CUNY, Advanced Science Research Center	ne	ne	ne	ne	ne	2,000	4,000	4,500	0	0	0
CUNY, Baruch C.	0	0	0	0	ne	0	0	0	0	0	0
CUNY, Brooklyn C.	0	2,601	5,830	0	0	0	42,000	0	3,600	0	0
CUNY, C. Staten Island	0	17,000	17,000	2,400	1,000	0	0	0	2,881	0	0
CUNY, City C.	24,585	1,750	7,700	0	0	44,000	0	0	0	0	0
CUNY, Graduate Center	0	0	0	0	0	0	0	4,500	0	0	0
CUNY, Graduate School of Public Health and Health Policy	ne	ne	ne	ne	ne	ne	0	0	0	0	0
CUNY, Hunter C.	600	2,200	500	500	0	550	0	3,433	0	0	108,900
CUNY, John Jay C. of Criminal Justice	ne	NA	0	0	1,050	0	0	0	0	0	0
CUNY, Lehman C.	519	0	0	0	250	0	0	0	0	0	0
CUNY, New York City C. of Technology	ne	ne	ne	ne	ne	ne	0	0	0	0	0
CUNY, Queens C.	0	1,100	0	1,500	30,400	336	1,395	1,395	11,890	0	0
CUNY, York C.	0	0	ne	0	ne	ne	0	2,568	1,500	0	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
SUNY, Binghamton U.	4,581	18,880	7,034	3,999	810	7,491	7,816	10,088	11,288	39,877	0
SUNY, Buffalo State	0	0	0	0	0	0	0	0	2,986	0	0
SUNY, C. Brockport	ne	ne	ne	0	0	0	0	0	0	0	0
SUNY, C. of Environmental Science and Forestry	0	0	0	13,008	320	2,916	1,078	594	0	0	0
SUNY, C. of Optometry	0	0	2,815	2,573	0	0	1,000	1,000	0	2,500	0
SUNY, C. Plattsburgh	0	ne	5,678	ne	0	0	0	0	0	0	0
SUNY, Downstate Medical Center	275	21,185	28,250	0	5,350	2,000	20,000	0	0	0	0
SUNY, Geneseo	14,453	15,062	0	25,000	ne	0	0	3,646	38,101	0	0
SUNY, Oswego	0	0	ne	12,799	ne	0	675	0	0	0	0
SUNY, Polytechnic Institute	ne	ne	ne	ne	3,076	36,077	25,056	1,031	0	0	0
SUNY, Stony Brook U.	17,845	12,157	27,461	23,825	23,985	27,315	35,483	33,732	103,443	0	314,570
SUNY, U. Albany ^f	15,552	46,500	126,960	7,100	2,832	4,438	6,860	30,706	72,507	240,444	0
SUNY, U. Buffalo	2,351	3,154	25,280	9,518	5,231	13,917	10,591	8,732	54,063	107,000	0
SUNY, Upstate Medical U.	29,902	19,622	6,520	2,556	6,575	0	1,091	7,304	35,587	0	0
Private											
Albany C. of Pharmacy and Health Sciences	0	0	0	0	0	271	0	0	0	0	0
Albany Medical C.	650	2,066	0	0	0	3,935	0 i	0	0	0	0
Albert Einstein C. of Medicine	ne	ne	ne	ne	ne	2,597	12,214	3,828	8,464	0	14,000
Alfred U.	0	1,723	4,272	0	1,705	0	0	0	0	0	0
Barnard C.	314	0	2,363	0	0	0	0	0	0	0	0
Canisius C.	ne	ne	ne	ne	ne	0 i	0 i	0	0	0 i	0 i
Clarkson U. ^g	0	0	0	750	0	0	767	0	2,850	0	0
Cold Spring Harbor Laboratory	ne	ne	ne	0	5,477	6,377	34,500	5,100	2,900	0	8,000
Colgate U.	0	673	0	2,465	4,400	5,600	1,900	0	1,400	0	0
Columbia U. in the City of New York	31,504	16,023	5,834	34,498	0	58,570	166,803	31,199	0	0	0
Cornell U.	78,500	118,226	48,098	43,753	91,213 i	93,290	188,390	132,163	67,252	4,000	0
Fordham U.	1,100	0	4,100	6,000	1,200	550	1,000	1,000	1,000	0	9,000
Hobart and William Smith Colleges	ne	0	0	0	0	ne	0	0	0	0	0
Icahn School of Medicine at Mount Sinai	47,000	27,000	48,000	11,600	12,700	30,900	31,000	59,000	30,000	0	0
Ithaca C.	0	0	0	0	0	ne	ne	5,382	1,296	0	0
Long Island U.	NA	NA	NA	0	ne	ne	7,334	15,480	7,100	7,100	1,000
Manhattan C.	ne	ne	ne	ne	ne	ne	0 i	0 i	0 i	0 i	0 i

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
Langston U.	0	0	0	0	0	0	0	0	0	0	0
Oklahoma State U., Center for Health Sciences	na	na	1,200	0	0	0	0	15,341	16,000	0	0
Oklahoma State U., Stillwater	na	na	0	0	0	2,544	0	0	0	0	0
U. Central Oklahoma	ne	ne	833	ne	0	0	0	1,223	0	0	0
U. Oklahoma, Norman and Health Science Center	3,325	517	3,692	16,748	26,578	142,552	27,500	20,000	30,000	0	0
U. Oklahoma, Tulsa	ne	ne	ne	ne	ne	0	0	0	0	0	0
Private											
U. Tulsa	250	0	0	0	3,000	0	0	0	0	0	0
Oregon											
Public											
Oregon Health and Science U.	12,450	38,300	24,674	4,675	12,042	13,357	22,260	45,293	4,020	22,395	0
Oregon Institute of Technology	0	0	ne	ne	0	50,200	11,700	4,362	0	0	0
Oregon State U.	8,000	20,952	17,042	5,600	2,750	11,250	4,100	183,870	58,000	110,000	470,000
Portland State U.	925	6,534	0	0	0	410	0	14,497	48,500	0	52,567
U. Oregon	2,133	1,539	3,943	22,919	3,342	10,468	6,773	9,650	63,600	67,300	0
Private											
Lewis and Clark C.	ne	0	260	0	0	0	0	0	0	0	0
National U. of Natural Medicine	ne	ne	ne	ne	ne	0	0	0	0	0	0
Pacific U.	ne	ne	0	ne	0	0	0	0	0	0	0
Reed C.	0	0	0	0	0	750	0	0	2,000	0	0
Pennsylvania											
Public											
Indiana U. Pennsylvania	ne	ne	ne	ne	ne	ne	0	0	0	0	0
Pennsylvania State U., Behrend	na	na	4,364	571	0	0	0	557	0	0	0
Pennsylvania State U., Harrisburg	na	na	2,600	1,050	2,500	250	0	0	0	0	0
Pennsylvania State U., University Park and Hershey Medical Center	na	na	29,871	34,842	33,881	32,900	16,800	29,062	104,875	72,000	0
Temple U.	19,900	3,700	11,745	0	27,589	14,349	0	0	0	0	0
U. Pittsburgh, Pittsburgh	NA	56,880	111,565	11,763	54,685	38,875	108,370	45,413	40,025	0	0
West Chester U. Pennsylvania	ne	0	0	0	0	2,000	0	0	0	0	0
Private											
Bryn Mawr C.	0	3,106	0	1,310	1,240	0	0	4,522	0	1,315	0
Bucknell U.	NA	0	0	0	0	2,750	2,354	0	4,099	0	0

TABLE 22

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(Costs in thousands of dollars)

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Carnegie Mellon U.	20,197	14,677	5,192	7,115	19,983	20,898	11,479	7,920	2,660	0	0
Drexel U.	NA	1,600	346	6,012	13,093	16,572	17,278	978	0	0	0
Duquesne U.	0	0	800	9,288	6,082	2,149	991	1,100	1,200	0	0
Franklin and Marshall C.	0	0	0	0	0	0	0	0	0	0	0
Haverford C.	ne	0	0	0	0	12,825	345	0	500	0	0
Lafayette C.	0	0	303	289	ne	ne	0	0	7,500	0	0
Lehigh U.	0	4,000	0	0	1,800	1,000	16,957	3,162	0	0	0
Mercyhurst U.	ne	ne	1,500	ne	ne	ne	ne	0	0	0	0
Philadelphia C. of Osteopathic Medicine	1,850	0	1,132	0	0	0	0	0	0	0	0
Saint Joseph's U.	850	1,060	700	500	ne	ne	360	0	0	0	0
Swarthmore C.	0	0	0	500	900	0	0	0	1,560	0	0
Thomas Jefferson U.	NA	4,280	17,090	32,900	1,180	5,632	37,245	3,141	12,254	0	0
U. of the Sciences Philadelphia	NA	0	516	0	950	8,250	0	0	0	0	0
U. Pennsylvania	81,667	48,278	72,313	44,278	158,151	258,618	184,466	112,541	239,580	0	0
Villanova U.	NA	0	0	0	583	720	2,797	0	1,550	0	0
Rhode Island											
Public											
Rhode Island C.	ne	ne	ne	1,061	ne	10,668	ne	314	0	0	600
U. Rhode Island	0	1,694	2,236	2,845	0	1,766	6,162	6,306	0	42,870	70,128
Private											
Brown U.	19,362	14,193	84,711	48,445	7,336	18,606	11,629	18,614	5,100	0	0
Providence C.	ne	ne	ne	ne	0	13,389	3,951	3,096	10,763	0	0
Roger Williams U.	NA	ne	0	250	0	0	0	0	3,200	0	0
South Carolina											
Public											
C. Charleston	NA	NA	0	0	1,406	0	0	0	0	0	0
Clemson U.	0	0	0	995	0	6,853	0	4,928	0	0	0
Coastal Carolina U.	0	0	0	0	0	685	2,251	0	0	0	0
Medical U. South Carolina	12,568	2,043	3,419	36,525	0	1,000	4,118	0	0	0	0
South Carolina State U.	0	0	0	0	0	0	0	0	0	0	0
U. South Carolina, Aiken	na	na	ne	0	ne	0	1,500	1,000	0	0	0
U. South Carolina, Columbia	na	na	3,809	16,758	1,350	0	721	1,515	0	0	0

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Winthrop U.	ne	ne	ne	0	0	ne	ne	0	1,000	0	1,000
Private											
Clafin U.	ne	3,500	1,200	0	0	0	0	0	0	0	6,000
Furman U.	NA	NA	0	0	0	0	0	0	0	0	0
South Dakota											
Public											
Black Hills State U.	0	0	0	0	300	0	ne	0	0	0	0
Dakota State U.	ne	ne	ne	0	0	0	0	0	0	0	0
South Dakota School of Mines and Technology	0	0	0	0	0	1,260	300	0	600	0	0
South Dakota State U.	710	14,139	4,045	1,450	1,100	1,789	6,189	1,450	3,114	45,238	0
U. South Dakota	0	15,780	9,049	2,000	550	2,150	937	380	3,180	0	0
Private											
Augustana U.	ne	ne	ne	0	6,368	ne	0	0	0	0	0
Tennessee											
Public											
Austin Peay State U.	ne	ne	ne	0	ne	ne	0	0	0	0	0
East Tennessee State U.	0	350	3,499	0	0	1,500	0	1,356	0	0	0
Middle Tennessee State U.	0	0	0	695	1,902	0	0	0	0	0	0
Tennessee State U.	0	0	2,500	1,041	0	1,187	1,330	1,081	4,020	0	0
Tennessee Technological U.	0	0	1,500	0	0	0	0	0	0	0	0
U. Memphis	4,218	4,600	439	2,270	4,435	0	0	1,148	27,060	31,235	0
U. Tennessee, Chattanooga	0	1,085	2,430	0	489	0	11,110	0	0	979	0
U. Tennessee, Health Science Center	na	na	na	0	0	75,000	0	0	30,690	8,000	0
U. Tennessee, Knoxville ^f	16,379	0	14,467	4,467	17,205	8,960	4,373	20,783	3,360	0	0
Private											
Fisk U.	0	0	0	0	0	0	0	1,250	12,000	0	0
Meharry Medical C.	14,000	0	0	0	0	0	500	0	0	0	0
Vanderbilt U. and Vanderbilt U. Medical Center ⁱ	7,476	4,548	19,487	19,015	36,900	26,936	3,642	19,822	59,217	0	0
Texas											
Public											
Lamar U.	1,790	0	0	0	0	0	0	6,400	50,000	0	0
Prairie View A&M U.	NA	0	0	0	7,500	1,037	1,037	300	0	0	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

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Sam Houston State U.	0	0	0	0	0	0	0	282	0	0	0
Stephen F. Austin State U.	0	0	0	0	0	0	0	0	0	0	0
Sul Ross State U.	0	0	0	0	0	0	0	0	0	0	0
Tarleton State U.	0	0	0	0	0	0	0	0	0	2,740	0
Texas A&M International U.	ne	ne	0	0	0	350	0	0	0	0	0
Texas A&M U., College Station and Health Science Center	NA	14,031 ⁱ	1,606	20,131	111,241	48,517	22,721	48,274	80,268	2,800	0
Texas A&M U.-Commerce	ne	0	0	0	0	0	0	0	0	0	0
Texas A&M U.-Corpus Christi	0	0	0	0	0	0 ⁱ	1,642	0	8,591	3,500	0
Texas A&M U.-Kingsville	2,268	0	1,311	0	0	3,287	0	0	0	0	0
Texas Southern U.	0	0	0	0	1,266	0	0	2,344	0	0	0
Texas State U.	0	926	0	0	3,018	1,400	3,600	1,909	4,250	0	0
Texas Tech U.	610	13,300	0	9,299	16,559	32,783	5,371	3,337	1,000	0	0
Texas Tech U., Health Sciences Center ^j	0	3,212	9,329	3,021	4,329	3,156	0	3,972	0	0	0
Texas Tech U., Health Sciences Center, El Paso	na	na	na	na	821	0	0	0	0	1,200	0
Texas Woman's U.	0	0	0	0	0	0	0	0	0	0	0
U. Houston	8,240	3,904	0	400	1,590	8,471	19,473	6,979	823	901	0
U. Houston-Clear Lake	ne	ne	ne	0	0	0	0	0	0	0	0
U. North Texas, Denton	NA	6,708	9,420	18,668	20,143	1,680	10,068	6,268	15,000	0	0
U. North Texas, Health Science Center	0	3,300	10,948	4,211	6,972	656	6,800	20,240	27,647	0	0
U. Texas Health Science Center, Houston	0	2,898	4,054	4,777	16,600	7,232	87,527	3,218	0	0	0
U. Texas Health Science Center, San Antonio	5,548	13,753	5,278	29,053	8,448	857	8,200	8,374	48,600	0	0
U. Texas Health Science Center, Tyler	ne	ne	ne	ne	ne	1,956	2,853	4,541	0	0	0
U. Texas M. D. Anderson Cancer Center	444,323	16,424	63,091	13,025	18,686	157,386	17,057	29,306	73,656	0	0
U. Texas Medical Branch	1,078	26,659	0	9,191	3,271	1,489	11,389	3,063	2,946	698	0
U. Texas Rio Grande Valley	na	na	na	na	na	7,900	357	1,141	115,000	0	0
U. Texas Southwestern Medical Center	29,375	34,926	74,493	45,569	24,135	25,965	24,587	18,750	44,369	8,395	10,465
U. Texas, Arlington	406	1,378	525	5,263	3,987	7,531	282	765	820	0	0
U. Texas, Austin	5,655	13,704	20,171	8,397	10,287	188,884	136,006	91,945	23,059	55,546	0
U. Texas, Dallas	17,431	13,000	10,938	4,287	5,616	5,500	6,478	858	685	0	0
U. Texas, El Paso	3,363	34,162	9,000	5,600	1,500	3,147	345	639	0	0	0
U. Texas, San Antonio	407	1,562	1,245	4,070	2,376	1,689	1,752	330	0	685	0
U. Texas, Tyler	ne	0	0	0	0	0	1,499	0	0	0	0

TABLE 22

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West Texas A&M U.	3,466	3,000	3,137	0	1,037	0	0	1,923	0	0	0
Private											
Abilene Christian U.	ne	ne	ne	ne	ne	ne	ne	0	0	0	0
Baylor C. of Medicine	10,375	560	5,998	4,250	17,060	2,006	6,252	5,300	4,600	0	0
Baylor U.	978	2,312	3,879	26,509	4,099	6,815	3,931	7,340	14,360	0	0
Rice U.	7,496	2,025	6,711	6,018	2,344	29,650	21,350	16,762	3,743	0	0
Southern Methodist U.	6,000	0	545	440	1,550	15,442	3,086	990	0	0	0
St. Edward's U.	ne	ne	ne	35,000	250	0	0	0	250	0	0
Texas Christian U.	3,000	5,300	4,800	3,300	0	4,720	250	0	0	0	0
Trinity U.	0	0	0	0	0	0	1,489	0	575	0	0
U. of the Incarnate Word	ne	ne	ne	ne	ne	ne	0	0	0	0	0
Utah											
Public											
U. Utah	7,297	24,296	18,280	26,429	56,213	75,365	64,609	58,105	40,714	0	58,138
Utah State U.	2,992	3,293	2,439	500	2,088	314	26,000	2,695	0	0	0
Private											
Brigham Young U., Provo	0	0	0	0	0	0	1,681	0	5,987	0	0
Vermont											
Public											
U. Vermont	2,034	5,070	7,920	5,584	253	507	0	3,324	19,168	30,000	0
Private											
Middlebury C.	ne	0	0	0	277	0	0	252	487	0	0
Virginia											
Public											
Christopher Newport U.	ne	ne	0	0	0	0	0	0	0	0	0
Eastern Virginia Medical School ^k	962	12,664	12,300	0	0	1,787	0	0	300	0	0
George Mason U.	600	310	0	0	1,500	0	0	0	0	25,000	0
James Madison U.	14,200	420	0	0	0	0	1,165	0	0	0	0
Norfolk State U.	0	0	0	0	0	300	0	0	0	0	0
Old Dominion U.	0	0	0	0	1,918	1,252	2,087	3,259	18,810	60,000	0
U. Virginia, Charlottesville ^l	10,615	1,615	43,189	26,042	17,544	26,233	137,950	30,391	52,590	0	0
Virginia Commonwealth U.	17,389	1,720	4,800	0	32,431	0	6,377	0	0	0	0

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Virginia Polytechnic Institute and State U.	0	0	1,150	22,277	2,448	10,436	5,791	11,750	2,035	50,493	0
Virginia State U.	0	0	17,097	1,599	771	1,539	688	0	500	0	5,044
William & Mary	5,545	4,126	0	0	7,709	996	1,369	704	0	0	0
Private											
Edward Via C. of Osteopathic Medicine	ne	ne	ne	0	600	1,610	0	0	0	0	0
Hampton U.	0	0	1,135	1,446	0	460	500	460	0	0	0
Liberty U.	ne	ne	ne	ne	ne	ne	0	0	0	0	0
U. Richmond	NA	NA	0	0	0	2,324	2,700	0	0	1,950	0
Washington											
Public											
Central Washington U.	8,000	0	0	0	0	0	0	0	0	640	0
Eastern Washington U.	0	0	0	0	0	0	0	58,699	57,799	0	0
Northwest Indian C.	ne	ne	0	0	0	ne	0	0	0	0	0
U. Washington, Bothell	na	na	ne	ne	ne	ne	0	0	0	0	0
U. Washington, Seattle	na	na	12,529	32,590	18,955	39,279	21,647	31,335	23,010	0	28,500
U. Washington, Tacoma	na	na	ne	ne	ne	6,250	0	0	0	0	0
Washington State U.	2,964	12,542	10,347	4,421	5,005	9,101	2,433	6,539	25,282	43,218	0
Western Washington U.	785	1,302	1,322	1,200	500	0	1,829	1,350	0	2,500	0
West Virginia											
Public											
Marshall U.	0	0	0	0	0	0	0	0	0	0	0
West Virginia School of Osteopathic Medicine	ne	ne	ne	ne	ne	ne	ne	0	0	0	0
West Virginia State U.	0	0	507	616	1,430	1,342	4,498	2,827	4,650	1,000	0
West Virginia U.	6,329	8,365	10,134	4,584	7,150	4,089	25,789	5,707	0	0	0
Wisconsin											
Public											
U. Wisconsin-Eau Claire	500	930	0	0	ne	0	0	0	0	0	0
U. Wisconsin-Green Bay	0	0	0	0	0	0	0	0	0	0	0
U. Wisconsin-La Crosse	0	0	0	0	0	0	0	0	1,250	0	0
U. Wisconsin-Madison	NA	32,258	5,017	4,299	0	1,566	4,314	19,773	15,450	45,592	0
U. Wisconsin-Milwaukee	0	4,950	15,271	850	2,100	850	0	22,559	0	113,860	0
U. Wisconsin-Oshkosh	0	0	0	0	0	0	0	860	0	593	0

TABLE 22

Costs for repair and renovation of science and engineering research space in academic institutions, by state or territory, control, institution, and time of repair and renovation: FYs 2006–23

(Costs in thousands of dollars)

State or territory, control, and institution	Started in FY 2006 or FY 2007	Started in FY 2008 or FY 2009	Started in FY 2010 or FY 2011	Started in FY 2012 or FY 2013	Started in FY 2014 or FY 2015	Started in FY 2016 or FY 2017	Started in FY 2018 or FY 2019	Started in FY 2020 or FY 2021	Planned to start in FY 2022 or FY 2023	Deferred projects	
										Included in institutional plan	Not included in institutional plan
U. Wisconsin-Stevens Point	NA	NA	0	0	0	0	0	0	0	0	0
U. Wisconsin-Superior	0	NA	0	0	ne	ne	0	0	0	0	0
Private											
Marquette U.	7,000	281	503	680	0	1,095	8,269	0	0	0	0
Medical C. Wisconsin	500	16,711	13,720	549	800	0	21,100	9,900	22,450	0	0
Milwaukee School of Engineering	0	0	0	0	0	0	0	0	0	0	0
Northland C.	ne	ne	ne	ne	ne	ne	ne	0	0	0	0
Wyoming											
Public											
U. Wyoming	1,550	803	8,688	1,677	1,337	12,550	7,405	4,912	5,750	7,500	48,040
American Samoa											
Public											
American Samoa Community C.	ne	ne	ne	ne	0	ne	0	0	0	0	0
Guam											
Public											
U. Guam	0	0	900	0	0	250	12,000	300	0	0	1,300
Puerto Rico											
Public											
U. Puerto Rico, Cayey	ne	0	ne	0	0	0	0	0	0	0	0
U. Puerto Rico, Humacao	0	0	0	0	0	ne	2,337	0	0	0	0
U. Puerto Rico, Mayaguez	0	0	0	0	0	1,569	250	0	3,000	250	0
U. Puerto Rico, Medical Sciences Campus	NA	356	1,242	2,475	0	0	0	0	1,000	0	0
U. Puerto Rico, Rio Piedras	0	720	0	1,150	0	0	0	0	0	0	0
Private											
Carlos Albizu U.	ne	ne	ne	ne	ne	ne	ne	0	0	0	0
Ponce Health Sciences U.	0	0	0	0	0	2,000	3,482	4,414	4,414	0	0
U. Ana G. Mendez, Gurabo	ne	ne	5,725	ne	0	0	0	0	7,166	0	0
U. Central del Caribe	NA	1,000	0	0	0	0	0	0	0	0	0
Virgin Islands											
Public											
U. of the Virgin Islands	0	299	704	900	354	0	0	2,736	609	0	0

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. NA = not available; institution did not provide data, and data were not imputed. ne = not eligible; institution did not meet the criteria for inclusion.

^a Prior to FY 2020, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2020, affiliated institutions were surveyed separately; data for FY 2020 and beyond describe characteristics of a single institution.

^b From FY 2010 through FY 2019, affiliated institutions were surveyed separately; data for those years describe characteristics of a single institution.

^c Prior to FY 2018, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2018, affiliated institutions were surveyed separately; data for FY 2018 and beyond describe characteristics of a single institution.

^d The University of Maryland includes 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 separately and were included in these tables as separate institutions.

^e Prior to FY 2014, the institution was surveyed separately; data for those survey years describe characteristics of a single institution. Beginning in FY 2014, the institution was surveyed together with other affiliated institutions; data for FY 2014 and beyond describe characteristics of the group of institutions.

^f Prior to FY 2012, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2012, affiliated institutions were surveyed separately; data for FY 2012 and beyond describe characteristics of a single institution.

^g Prior to FY 2016, the institution was surveyed separately; data for those survey years describe characteristics of a single institution. Beginning in FY 2016, the institution was surveyed together with other affiliated institutions; data for FY 2016 and beyond describe characteristics of the group of institutions.

^h Prior to FY 2016, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2016, affiliated institutions were surveyed separately; data for FY 2016 and beyond describe characteristics of a single institution.

ⁱ Data reported for the Vanderbilt U. Medical Center are for the Vanderbilt School of Medicine.

^j Prior to FY 2014, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2014, affiliated institutions were surveyed separately; data for FY 2014 and beyond describe characteristics of a single institution.

^k Prior to FY 2019, Eastern Virginia Medical School was designated as a private institution.

^l Prior to FY 2010, the institution was surveyed together with other affiliated institutions; data for those survey years describe characteristics of the group of institutions. Beginning in FY 2010, affiliated institutions were surveyed separately; data for FY 2010 and beyond describe characteristics of a single institution.

Note(s):

Deferred projects are those that (1) are not funded and (2) are not scheduled for FY 2022 or FY 2023.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 23

Academic institutions with science and engineering repair and renovation or new construction projects, by type of institution: Started in FY 2020 or FY 2021

(Number and percent)

Type of institution	All institutions (number)	Institutions with repair and renovation projects		Institutions with new construction projects	
		Number	Percent	Number	Percent
All institutions	584	296	51	104	18
Doctorate granting	448	261	58	98	22
Public	308	183	59	74	24
Private	140	78	56	24	17
Nondoctorate granting	136	35	26	6	4
Medical schools ^a	157	84	54	11	7

^a Medical schools are listed separately and are also included in individual institution totals.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 24

Source of funds for new construction of science and engineering research space in academic institutions, by type of institution: FY 2020 or FY 2021

(Funds in millions of dollars)

Type of institution	All sources	Government		Institutional funds and other sources ^a
		Federal	State and local	
All institutions	4,477.1	40.9	990.7	3,445.5
Doctorate granting	4,326.2	37.7	987.2	3,301.3
Public	2,807.3	37.7	981.3	1,788.3
Private	1,518.9	0.0	5.9	1,513.0
Nondoctorate granting	150.9	3.2	3.4	144.2

^a Institutional funds and other sources include an institution's operating funds, endowments, private donations, tax-exempt bonds and other debt financing, and indirect costs recovered from federal and nonfederal sources.

Note(s):

Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 25

Source of funds for repair and renovation of science and engineering research space in academic institutions, by type of institution: FY 2020 or FY 2021

(Funds in millions of dollars)

Type of institution	All sources	Government		Institutional funds and other sources ^a
		Federal	State and local	
All institutions	4,902.6	104.7	857.6	3,940.3
Doctorate granting	4,738.0	90.6	772.1	3,875.2
Public	2,769.2	68.3	714.3	1,986.6
Private	1,968.7	22.3	57.8	1,888.6
Nondoctorate granting	164.6	14.0	85.4	65.1

^a Institutional funds and other sources include an institution's operating funds, endowments, private donations, tax-exempt bonds and other debt financing, and indirect costs recovered from federal and nonfederal sources.

Note(s):

Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 26

Source of funds for new construction of science and engineering research space in academic institutions, by year of project start and type of institution: FYs 1986–2021

(Funds in millions of dollars)

Year of project start and type of institution	All sources	Government		Institutional funds and other sources ^a
		Federal	State and local	
FYs 1986–87	2,050.6	145.4	779.1	1,126.1
Doctorate granting	1,887.7	129.9	690.4	1,067.4
Nondoctorate granting	162.9	15.5	88.7	58.7
FYs 1988–89	2,464.5	352.0	890.7	1,221.8
Doctorate granting	2,315.0	339.0	807.3	1,168.7
Nondoctorate granting	149.5	13.0	83.4	53.1
FYs 1990–91	2,975.6	476.3	956.6	1,542.7
Doctorate granting	2,847.3	465.5	947.9	1,433.9
Nondoctorate granting	128.4	10.8	8.7	108.9
FYs 1992–93	2,810.8	459.3	968.0	1,383.5
Doctorate granting	2,720.0	452.0	893.0	1,375.0
Nondoctorate granting	91.8	7.3	75.0	9.5
FYs 1994–95	2,767.6	206.5	1,180.8	1,380.3
Doctorate granting	2,436.9	201.2	890.4	1,345.3
Nondoctorate granting	330.6	5.2	290.5	34.9
FYs 1996–97	3,110.3	270.9	966.6	1,872.8
Doctorate granting	2,843.2	268.3	880.6	1,694.3
Nondoctorate granting	267.1	2.5	86.0	178.6
FYs 1998–99	2,765.4	237.8	939.0	1,588.5
Doctorate granting	2,562.5	206.0	869.1	1,487.4
Nondoctorate granting	202.9	31.8	69.9	101.1
FYs 2002–03	7,388.7	351.3	2,364.5	4,672.9
Doctorate granting	7,185.2	318.5	2,301.4	4,565.3
Nondoctorate granting	203.5	32.8	63.1	107.6
FYs 2004–05	6,030.3	450.2	1,341.6	4,238.5
Doctorate granting	5,767.3	417.1	1,204.8	4,145.5
Nondoctorate granting	263.0	33.1	136.9	93.1
FYs 2006–07	5,923.5	360.9	1,880.7	3,681.8
Doctorate granting	5,681.3	357.6	1,764.6	3,559.1
Nondoctorate granting	242.2	3.3	116.1	122.7
FYs 2008–09	7,336.0	212.0	2,679.8	4,444.1
Doctorate granting	7,012.4	201.8	2,498.5	4,312.0
Nondoctorate granting	323.6	10.2	181.3	132.1
FYs 2010–11	6,396.2	486.6	1,941.2	3,968.4
Doctorate granting	6,227.7	479.5	1,860.4	3,887.9
Nondoctorate granting	168.5	7.1	80.9	80.5
FYs 2012–13	5,432.5	313.5	1,437.8	3,681.2
Doctorate granting	5,211.1	306.8	1,328.7	3,575.6
Nondoctorate granting	221.4	6.7	109.1	105.6
FYs 2014–15	5,679.5	905.3	1,133.1	3,641.2
Doctorate granting	5,514.8	900.2	1,054.6	3,560.0
Nondoctorate granting	164.7	5.1	78.4	81.2
FYs 2016–17	5,929.3	40.4	1,598.1	4,290.9
Doctorate granting	5,752.9	36.7	1,562.3	4,154.0
Nondoctorate granting	176.4	3.7	35.8	136.9
FYs 2018–19	5,138.7	146.8	1,111.4	3,880.5
Doctorate granting	4,778.5	146.8	1,026.0	3,605.7
Nondoctorate granting	360.2	0.0	85.4	274.8

TABLE 26

Source of funds for new construction of science and engineering research space in academic institutions, by year of project start and type of institution: FYs 1986–2021

(Funds in millions of dollars)

Year of project start and type of institution	All sources	Government		Institutional funds and other sources ^a
		Federal	State and local	
FYs 2020–21	4,477.1	40.9	990.7	3,445.5
Doctorate granting	4,326.2	37.7	987.2	3,301.3
Nondoctorate granting	150.9	3.2	3.4	144.2

^a Institutional funds and other sources include an institution's operating funds, endowments, private donations, tax-exempt bonds and other debt financing, and indirect costs recovered from federal and nonfederal sources.

Note(s):

Details may not add to totals due to rounding. The question on construction costs was not asked for FYs 2000–01; therefore, no data are reported here. Only construction projects costing over \$250,000 for a single field were reported for FYs 2002–21; construction projects costing over \$100,000 were reported in previous cycles.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 27

Source of funds for repair and renovation of science and engineering research space in academic institutions, by year of project start and type of institution: FYs 1986–2021

(Funds in millions of dollars)

Year of project start and type of institution	All sources	Government		Institutional funds and other sources ^a
		Federal	State and local	
FYs 1986–87	837.9	27.3	233.1	577.5
Doctorate granting	792.7	23.5	201.7	567.5
Nondoctorate granting	45.2	3.7	31.4	10.1
FYs 1988–89	1,009.5	61.1	233.8	714.6
Doctorate granting	979.2	55.9	226.6	696.7
Nondoctorate granting	30.3	5.1	7.1	18.1
FYs 1990–91	825.7	49.0	243.0	533.7
Doctorate granting	794.1	48.3	227.3	518.5
Nondoctorate granting	31.6	0.7	15.8	15.1
FYs 1992–93	835.4	56.2	252.4	526.8
Doctorate granting	803.0	47.0	244.0	512.0
Nondoctorate granting	32.4	9.2	8.4	14.8
FYs 1994–95	1,058.1	110.7	265.5	681.9
Doctorate granting	981.3	101.9	233.0	646.4
Nondoctorate granting	76.8	8.8	32.6	35.4
FYs 1996–97	1,324.5	120.8	338.1	865.6
Doctorate granting	1,142.2	96.1	273.2	772.9
Nondoctorate granting	182.3	24.7	64.9	92.7
FYs 1998–99	1,665.2	68.4	476.2	1,120.6
Doctorate granting	1,576.3	61.1	446.7	1,068.5
Nondoctorate granting	88.9	7.3	29.5	52.1
FYs 2002–03	2,211.8	136.9	497.8	1,577.2
Doctorate granting	2,087.3	111.9	463.9	1,511.4
Nondoctorate granting	124.6	25.0	33.9	65.7
FYs 2004–05	2,445.9	121.5	544.9	1,779.5
Doctorate granting	2,385.1	116.5	526.8	1,741.8
Nondoctorate granting	60.8	5.0	18.1	37.7
FYs 2006–07	3,361.6	133.8	657.0	2,570.8
Doctorate granting	3,276.2	126.8	609.4	2,540.0
Nondoctorate granting	85.4	6.9	47.7	30.8
FYs 2008–09	3,015.8	74.2	746.5	2,195.1
Doctorate granting	2,920.8	68.8	717.4	2,134.6
Nondoctorate granting	95.0	5.4	29.0	60.5
FYs 2010–11	3,508.9	270.9	854.5	2,383.5
Doctorate granting	3,377.8	236.4	797.1	2,344.3
Nondoctorate granting	131.1	34.4	57.4	39.2
FYs 2012–13	3,746.7	264.8	566.9	2,915.0
Doctorate granting	3,559.5	254.4	461.5	2,843.6
Nondoctorate granting	187.1	10.4	105.4	71.4
FYs 2014–15	4,133.4	61.7	502.8	3,569.0
Doctorate granting	4,043.9	58.0	458.5	3,527.4
Nondoctorate granting	89.5	3.7	44.3	41.5
FYs 2016–17	5,079.5	33.1	1,028.6	4,017.9
Doctorate granting	4,910.2	24.6	968.9	3,916.7
Nondoctorate granting	169.3	8.5	59.7	101.1
FYs 2018–19	5,483.4	73.7	971.8	4,437.9
Doctorate granting	5,241.4	41.0	912.0	4,288.4
Nondoctorate granting	242.0	32.7	59.8	149.5

TABLE 27

Source of funds for repair and renovation of science and engineering research space in academic institutions, by year of project start and type of institution: FYs 1986–2021

(Funds in millions of dollars)

Year of project start and type of institution	All sources	Government		Institutional funds and other sources ^a
		Federal	State and local	
FYs 2020–21	4,902.6	104.7	857.6	3,940.3
Doctorate granting	4,738.0	90.6	772.1	3,875.2
Nondoctorate granting	164.6	14.0	85.4	65.1

^a Institutional funds and other sources include an institution's operating funds, endowments, private donations, tax-exempt bonds and other debt financing, and indirect costs recovered from federal and nonfederal sources.

Note(s):

Details may not add to totals due to rounding. The question on repair and renovation costs was not asked for FYs 2000–01; therefore, no data are reported here. Only repair and renovation projects costing over \$250,000 for a single field were reported for FYs 2002–21; repair and renovation projects costing over \$100,000 were reported in previous cycles. Data in this table, which relies on source of funds, may not match data in tables 18 and 19, which utilize repair and renovation project costs, a separate set of survey variables.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities.

TABLE 28

Estimated costs of deferred projects to construct or repair and renovate science and engineering research space in academic institutions, by field and type of project: FY 2021

(Costs in millions of dollars)

Field	All costs	Included in institutional plans		Not included in institutional plans	
		Construct	Repair or renovate	Construct	Repair or renovate
All research space	20,505.5	8,369.9	8,110.0	1,044.2	2,981.4
Agricultural sciences	1,318.0	621.3	458.6	55.9	182.2
Biological and biomedical sciences	3,977.4	1,175.5	1,896.4	202.4	703.2
Computer and information sciences	815.8	418.8	221.0	123.5	52.5
Engineering	4,378.8	2,396.7	1,477.7	9.0	495.3
Geosciences, atmospheric sciences, and ocean sciences	1,250.1	452.9	340.8	236.0	220.4
Health sciences	3,001.8	954.8	1,581.4	228.3	237.3
Mathematics and statistics	251.6	101.6	76.5	5.0	68.5
Natural resources and conservation	416.1	95.9	255.0	18.7	46.5
Physical sciences	3,194.5	1,464.6	1,056.0	121.5	552.4
Psychology	662.9	252.8	276.8	2.0	131.2
Social sciences	700.3	201.7	355.4	1.0	142.2
Other	538.1	233.0	114.4	41.0	149.6

Note(s):

Deferred projects are those that (1) are not funded and (2) are not scheduled for FY 2022 or FY 2023. Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

TABLE 29

Estimated costs of deferred projects to construct or repair and renovate science and engineering research space in academic institutions, by type of institution and project: FY 2021

(Costs in millions of dollars)

Type of institution	All costs	Included in institutional plans		Not included in institutional plans	
		Construct	Repair or renovate	Construct	Repair or renovate
All institutions	20,505.5	8,369.9	8,110.0	1,044.2	2,981.4
Doctorate granting	20,099.0	8,189.8	8,059.6	898.7	2,951.0
Public	17,585.4	7,370.1	7,288.4	788.7	2,138.2
Private	2,513.6	819.7	771.3	110.0	812.7
Nondoctorate granting	406.4	180.1	50.3	145.5	30.4
Medical schools ^a	2,763.7	663.4	1,598.1	113.0	389.2

^a Medical schools are listed separately and are also included in individual institution totals.

Note(s):

Deferred projects are those that (1) are not funded and (2) are not scheduled for FY 2022 or FY 2023. Details may not add to totals due to rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Science and Engineering Research Facilities, FY 2021.

Technical Notes

Survey Overview

Purpose. Data are collected biennially through the congressionally mandated Survey of Science and Engineering Research Facilities (Facilities Survey) from the National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation (NSF). The survey originated in 1986 in response to the U.S. Congress's concern about the state of research facilities at the nation's colleges and universities. NSF's 1984 reauthorization legislation, P.L. 99-159, mandated a data collection and analytic system to identify and assess the research facilities needs of academic institutions.

Data collection authority. The information is solicited under the authority of the National Science Foundation Act of 1950, as amended, and the America COMPETES Reauthorization Act of 2010. The Office of Management and Budget control number is 3145-0101, expiring on 31 August 2022.

Survey contractor. Westat.

Survey sponsor. The Facilities Survey is sponsored by NCSES within NSF.

Key Survey Information

Frequency. Biennial.

Initial survey year. 1986.

Reference period. FY 2021.

Response unit. Establishments.

Sample or census. Census.

Population size. A total of 584 in FY 2021.

Sample size. Not applicable.

Survey Design

Target population. The FY 2021 population consisted of 584 research-performing academic institutions in the United States. Research-performing academic institutions were defined as colleges and universities with \$1 million or more in research and experimental development expenditures in science and engineering (S&E), as determined by the FY 2020 Higher Education Research and Development (HERD) Survey from NCSES. Military institutions, U.S. Department of Veterans Affairs (VA) institutions, and federally funded research and development centers (FFRDCs) were excluded.

Sampling frame. This survey is a census. The population is identified through the HERD Survey of the previous fiscal year.

Sample design. All eligible units are surveyed.

Data Collection and Processing Methods

Data collection. The FY 2021 survey was conducted by Westat under contract to NCSES. Surveys are distributed to coordinators at each institution. These institutional coordinators are individuals who are knowledgeable about the requested information and who collect the responses from various offices and complete the survey. The data collection period was October 2021 through May 2022.

Mode. Respondents could choose to respond to the survey through printing a PDF questionnaire from the Web and submitting a paper survey or by using the Web-based data collection system. Less than 1% of surveys were submitted on paper.

Response rates. See “[Survey Quality Measures](#)” below for unit and item response rates.

Data editing. Several procedures were used to clean and edit the data. For example, the Web survey contained numerous programmed edit checks that alerted respondents to inconsistent or missing data via edit messages. These included alerting respondents if their individual data did not sum to the total. Also, once respondents submitted their final data, a second set of edit checks was conducted. Finally, comparisons were made between an institution’s FY 2021 data and data from the previous survey. Respondents were contacted regarding any apparently inconsistent, missing, or unclear data.

Imputation. Imputation was used to account for unit and item nonresponse. Data reported in *Science and Engineering Research Facilities: Fiscal Year 2021* are imputed, except for the data on shared space and the condition of research space.

For most research space questions, a series of logistic regression models and linear regression models were developed and used to impute values for missing item data for institutions that responded to the survey, as well as for all items for nonresponding institutions. The predicted values from these models were used to impute for the missing responses.

A set of core predictors was used for imputing most items. The core predictors were institutional control (public or private), highest degree granted (doctorate or nondoctorate), existence of a medical school, FY 2020 total R&D expenditures (overall), and total FY 2020 net assignable square feet (NASF) of S&E research space. In addition to the core predictors, regression models for specific survey items included data from responses to other survey items and the institution’s FY 2019 responses, where available.

The imputation rates ranged from 0.0% to 4.46%. The imputation rate for each survey item was calculated as the number of imputed cases divided by the number of institution surveys or projects that are eligible for the item. Imputation was conducted for unit nonresponse, which can impact imputation rates for items with low eligibility.

Weighting. No weighting procedures were employed for FY 2021. Weights were used to account for unit nonresponse through FY 2011. Since FY 2013, imputation has been conducted for unit nonresponse, which simplifies the presentation of national totals in the various data files.

Variance estimation. Not applicable.

Survey Quality Measures

Sampling error. Not applicable.

Coverage error. No known coverage error because a complete list of eligible institutions meeting the population requirements was identified from the HERD Survey. Institutions were investigated individually to ensure there was no duplication.

Nonresponse error. The unit nonresponse was 2.7% (16 of 584) for the FY 2021 survey. Item nonresponse ranged from 0% to 3% for all items. Nonresponding institutions (unit nonrespondents) were not included in the item nonresponse calculations.

Imputation was used to mitigate the error from item and unit nonresponses.

Measurement error. The most likely source of measurement error results from institutions estimating the requested data. Respondents may estimate their data for several reasons, including estimating data that are not included in the institution’s database or because some figures are estimates by their nature (e.g., out-year budget figures).

Measurement error may also occur because institutions may define their database elements differently from the definitions used on the survey. For example, an institutional database may identify research space based on a primary-use criterion, whereas the survey requests that space be prorated according to all uses. The survey question on the condition of research space is a subjective question that may be rated differently across respondents.

Data Comparability

Changes in survey coverage and population. No changes.

Changes in questionnaire.

Fields of science and engineering (S&E). Changes have been made to the lists of disciplines included in the fields of S&E to better coordinate field totals in national academic surveys. The fields of S&E that changed names and the disciplines that were moved between fields are listed below:

- The disciplines of veterinary biomedical and clinical sciences and veterinary medicine have been moved from the health sciences field to agricultural sciences.
- The discipline of agricultural economics has been moved from agricultural sciences to the social sciences field.
- The discipline of nutrition sciences has been moved from being a multidisciplinary field in the “other” field of S&E to the biological and biomedical sciences field.
- The discipline of foods, nutrition and wellness studies has been moved from the non-S&E field to the biological and biomedical sciences field.
- The discipline of natural resources economics has been moved from the natural resources and conservation field to the social sciences field.

Changes in reporting procedures or classification. No changes.

Definitions

Completion costs include planning, site preparation, construction, fixed equipment, nonfixed equipment that costs \$1 million or more, and building infrastructure, such as plumbing, lighting, air exchange, and safety systems either in the building or within 5 feet of the building foundation.

Current research program commitments include current faculty and staff (or those to whom offers have been made or grants awarded, regardless of whether research has begun) and programs that have been approved.

Deferred projects are those that (1) are not funded and (2) are not scheduled for FY 2022 or FY 2023. They do not include projects planned for developing new programs or expanding current programs. Deferred projects are limited to only those projects whose prorated cost was estimated to be \$250,000 or more for at least one field of S&E.

Gross square feet (GSF) is the floor area of a structure within the outside faces of the exterior walls.

Institutional control is defined for academic institutions as private or public.

Institutional funds and other sources include the following examples: operating funds, endowments, tax-exempt bonds and other debt financing, indirect costs recovered from federal grants or contracts, and private donations.

Medical school is a school that awards a doctor of medicine degree or a doctor of osteopathic medicine degree.

Net assignable square feet (NASF) is the sum of all areas on all floors of a building assigned to, or available to be assigned to, an occupant for a specific use, such as research or instruction. NASF is measured from the inside faces of walls.

New construction is the construction of a new building or additions to an existing building. New construction is limited to only those projects whose prorated cost was estimated to be \$250,000 or more for at least one field of S&E.

Repairs and renovations are activities such as fixing up facilities in deteriorated condition, capital improvements on facilities, conversion of facilities, and building out shell (unfinished) space. They include any repairs or renovations to existing space that are performed in combination with new construction projects. They do not include building additions, which are reported in this survey under new construction. Repairs and renovations are limited to only those projects whose prorated cost was estimated to be \$250,000 or more for at least one field of S&E.

Research is all research and experimental development (R&D) activities of an institution that are separately accounted for. These R&D activities comprise creative and systematic work undertaken to increase the stock of knowledge—including knowledge of humankind, culture, and society—and to devise new applications of available knowledge. This research can be funded by an institution, the federal government, a state government, foundations, corporations, or other sources.

Research space is the NASF of space in buildings within which research activities take place. Research facilities are located within buildings. A building is a roofed structure for permanent or temporary shelter of persons, animals, plants, materials, or equipment. Structures should be included if they are (1) attached to a foundation, (2) roofed, (3) serviced by a utility, exclusive of lighting, and (4) a source of significant maintenance and repair activities.

- Research space includes controlled-environment space, such as clean, cold, or white rooms; technical and laboratory support space, such as equipment areas, preparation areas, darkrooms, carpentry and machine shops, and storage areas; laboratories, including computer labs and behavior observation rooms; core laboratories that serve other laboratories; laboratories and associated support areas used for research animals, including procedure rooms, bench space, animal production colonies, holding rooms, germ-free rooms, surgical facilities, and recovery rooms; housing facilities for research animals and associated maintenance areas, including cage rooms, stalls, wards, isolation rooms, exercise rooms, feed storage rooms, cage-washing rooms, and holding and storage areas; space for clinical trial research; offices, to the extent that they are used for research activities, including administrative activities for a specific research project; space with fixed (built-in) equipment, such as fume hoods; space with nonfixed equipment costing \$1 million or more each, such as MRI equipment; and space that is leased by the responding institution.
- Research space does not include space for the fields of law, business administration and management, humanities, history, the arts, or education; libraries, unless they are dedicated to a specific research project; animal field buildings sheltering animals that do not directly support research or that are not subject to government regulations concerning humane care and use of laboratory animals; FFRDCs; in-kind space used by faculty, staff, or other persons from the institution but administered by other organizations, such as research facilities at non-university hospitals or VA hospitals; space administered by the institution but leased to another organization; and outdoor areas, such as fish ponds or planting fields.
- Question 2 contains the following additional information about research space: research space is equivalent to functional category 2 (Research) for facilities inventory systems based on the U.S. Department of Education Facilities Inventory and Classification Manual (FICM classification), the Western Interstate Commission for Higher Education (WICHE classification), and the National Association of College and University Business Officers (NACUBO classification).

Acknowledgments and Suggested Citation

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