

Table A-2. Science, engineering, and health organizational units, by detailed field: 2024

(Number)

Detailed field	All units	Units with master's students	Units with doctoral students	Units with postdocs	Units with NFRs
All surveyed fields	23,121	11,078	7,528	8,441	6,339
Science	15,053	7,599	5,379	4,980	3,609
Agricultural and veterinary sciences	654	289	209	321	279
Agricultural sciences	497	262	186	225	198
Veterinary biomedical and clinical sciences	157	27	23	96	81
Biological and biomedical sciences	4,701	1,722	1,878	1,914	1,311
Biochemistry	347	85	156	164	124
Biology	535	340	160	219	141
Biomedical sciences	265	121	114	77	50
Biophysics	59	2	40	17	10
Biostatistics and bioinformatics	321	155	128	97	80
Biotechnology	114	83	10	20	19
Botany and plant biology	102	57	55	49	34
Cell, cellular biology, and anatomical sciences	307	77	148	123	91
Ecology and population biology	180	75	81	75	47
Epidemiology	171	91	72	50	36
Genetics	228	52	77	108	77
Microbiological sciences and immunology	347	89	148	165	119
Molecular biology	89	21	34	33	26
Neurobiology and neuroscience	344	44	161	162	89
Nutrition science	171	107	59	45	26
Pathology and experimental pathology	125	16	33	78	48
Pharmacology and toxicology	229	66	127	97	68
Physiology	425	137	148	187	107
Zoology and animal biology	101	59	61	43	33
Biological and biomedical sciences nec	241	45	66	105	86
Computer and information sciences	1,357	1,010	331	226	196
Artificial intelligence, informatics, and computer and information science topics	159	113	26	28	22
Computer and information sciences	277	173	96	58	51
Computer and information systems security	178	164	11	3	7
Computer science	365	269	147	94	65
Information science and studies	149	119	31	16	14
Information technology	106	91	12	2	9
Computer and information sciences nec	123	81	8	25	28
Geosciences, atmospheric, and ocean sciences	628	324	265	271	237
Atmospheric sciences and meteorology	82	43	42	40	35
Geological and earth sciences	383	215	166	152	130
Ocean and marine sciences	133	66	57	58	46
Geosciences, atmospheric, and ocean sciences nec	30	na	na	21	26
Mathematics and statistics	891	626	341	205	82
Applied mathematics	249	179	78	34	17
Mathematics	384	263	165	116	46
Statistics	258	184	98	55	19
Multidisciplinary and interdisciplinary sciences	846	445	189	209	193
Biological and physical sciences	46	23	16	10	12
Computational science	64	41	17	12	10
Data science and data analytics	178	135	17	31	20
International and global studies	50	32	8	8	8
Multidisciplinary and interdisciplinary sciences nec	508	214	131	148	143
Natural resources and conservation	527	314	158	175	145
Environmental science and studies	273	172	75	69	58

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Forestry, natural resources, and conservation	254	142	83	106	87
Physical sciences	1,228	554	566	582	445
Astronomy and astrophysics	131	18	55	73	54
Chemistry	482	277	235	222	165
Materials sciences	98	38	48	26	24
Physics	455	202	213	239	176
Physical sciences nec	62	19	15	22	26
Psychology	1,375	769	502	307	192
Applied psychology	445	321	141	65	33
Clinical psychology	132	51	66	21	9
Counseling psychology	120	82	41	9	4
Human development	116	58	27	42	34
Psychology, general	325	171	90	116	83
Research and experimental psychology	237	86	137	54	29
Social sciences	2,846	1,546	940	770	529
Agricultural and natural resource economics	57	28	11	33	19
Anthropology	214	129	108	73	28
Area, ethnic, cultural, gender, and group studies	464	226	119	153	57
Criminal justice and safety studies	127	115	22	7	9
Criminology	53	43	17	3	5
Economics (except agricultural and natural resource)	352	220	172	64	45
Geography and cartography	166	122	46	46	26
International relations and national security studies	134	98	11	16	24
Linguistics	125	76	64	33	13
Political science and government	264	149	126	65	39
Public policy analysis	264	103	54	86	92
Sociology and population studies	298	138	127	81	64
Urban studies and affairs	50	23	13	13	11
Social sciences, other	278	76	50	97	97
Engineering	3,605	2,244	1,469	1,201	959
Aerospace, aeronautical, and astronautical engineering	115	75	52	38	35
Biological, biomedical, and biosystems engineering	364	197	171	154	126
Chemical, petroleum, and chemical-related engineering	300	170	148	149	104
Chemical engineering	264	149	133	136	93
Petroleum engineering	36	21	15	13	11
Civil, environmental, transportation and related engineering fields	547	346	209	197	139
Civil engineering	394	225	149	173	121
Architectural, environmental, construction and surveying engineering	153	121	60	24	18
Electrical, electronics, communications and computer engineering	639	444	248	168	149
Electrical, electronics, and communications engineering	435	275	181	151	133
Computer engineering	204	169	67	17	16
Industrial, manufacturing, systems engineering and operations research	305	231	109	52	45
Industrial and manufacturing engineering	167	129	63	39	30
Systems engineering and operations research	138	102	46	13	15
Mechanical engineering	410	283	179	176	111
Metallurgical, mining, materials and related engineering fields	210	130	105	81	62
Other engineering	715	368	248	186	188

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Agricultural engineering	49	30	29	23	18
Engineering mechanics, physics, and science	100	44	47	23	23
Nuclear engineering	35	27	25	11	11
Engineering, other	531	267	147	129	136
Health	4,463	1,235	680	2,260	1,771
Clinical medicine	2,959	525	223	1,802	1,390
Anesthesiology	62	na	na	49	38
Cardiology and cardiovascular disease	70	na	na	63	37
Endocrinology, diabetes, and metabolism	52	na	na	43	27
Gastroenterology	39	na	na	33	18
Hematology	31	na	na	25	22
Medical clinical sciences and clinical and medical laboratory sciences	192	60	32	49	80
Neurology and neurosurgery	165	na	na	141	90
Obstetrics and gynecology	72	na	na	49	41
Oncology and cancer research	163	na	na	125	72
Ophthalmology	75	na	na	65	41
Otorhinolaryngology	51	na	na	36	36
Pediatrics	179	na	na	134	98
Psychiatry	100	na	na	77	60
Public health	762	465	191	203	177
Pulmonary disease	42	na	na	35	25
Radiological sciences	133	na	na	103	78
Surgery	243	na	na	186	137
Clinical medicine nec	528	na	na	386	313
Other health	1,504	710	457	458	381
Communication disorders sciences	281	235	67	33	34
Dental sciences	176	84	20	73	50
Kinesiology and exercise science	174	133	45	31	20
Nursing science	225	24	126	66	57
Pharmaceutical sciences	251	94	96	117	101
Other health nec	397	140	103	138	119

na = not applicable.

nec = not elsewhere classified; NFR = nonfaculty researcher.

Note(s):

Unit counts include fully imputed units. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the "Technical Notes."

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2024.