

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2024

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents									Ethnicity not reported
			Total	Hispanic or Latino	Not Hispanic or Latino						Other race or race not reported	
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All fields	58,131	19,371	36,062	3,682	129	3,980	2,936	22,793	1,377	516	649	
Science and engineering	46,394	16,773	27,609	2,856	83	3,448	1,825	17,432	1,085	393	487	
Agricultural sciences and natural resources	1,309	530	741	58	4	48	39	550	12	11	19	
Agricultural, animal, plant, and veterinary sciences	866	390	452	34	2	30	19	345	5	4	13	
Agronomy and crop science	71	41	27	3	0	0	0	21	1	1	1	
Animal sciences	198	80	115	9	1	6	1	93	2	0	3	
Food science and technology	158	95	54	3	0	10	4	32	1	0	4	
Plant sciences	152	74	76	7	0	8	1	59	0	0	1	
Soil sciences	84	35	48	3	0	1	3	39	0	1	1	
Veterinary biomedical and clinical sciences	74	30	42	3	0	1	0	34	0	1	3	
Agricultural, animal, plant, and veterinary sciences nec	129	35	90	6	1	4	10	67	1	1	0	
Natural resources and conservation	443	140	289	24	2	18	20	205	7	7	6	
Environmental science	149	50	96	8	0	7	11	63	2	2	3	
Environmental/ natural resources management and policy	73	25	47	4	0	4	4	30	2	2	1	
Forestry	68	28	37	4	1	3	3	26	0	0	0	
Natural resources conservation and research	71	21	48	2	1	2	2	37	1	2	1	
Natural resources and conservation nec	82	16	61	6	0	2	0	49	2	1	1	
Biological and biomedical sciences	9,797	2,383	7,094	864	13	985	329	4,425	299	96	83	
Biochemistry, biophysics, and molecular biology	1,515	456	1,020	140	4	187	45	578	43	13	10	
Biochemistry	454	162	277	30	2	47	11	167	13	1	6	
Biochemistry and molecular biology	339	90	241	27	1	56	15	129	8	3	2	
Biophysics	228	73	153	30	0	21	5	87	4	5	1	
Molecular biology	245	52	187	25	0	26	6	115	12	3	0	
Biochemistry, biophysics, and molecular biology nec	249	79	162	28	1	37	8	80	6	1	1	
Bioinformatics, biostatistics, and computational biology	736	334	383	21	0	109	17	211	17	4	4	
Bioinformatics	186	74	108	7	0	27	4	60	9	1	0	
Biostatistics	274	158	106	5	0	35	4	57	3	0	2	
Computational biology	158	56	99	7	0	23	6	59	2	1	1	
Bioinformatics, biostatistics, and computational biology nec	118	46	70	2	0	24	3	35	3	2	1	
Biological and biomedical sciences, general	908	227	594	78	0	69	31	377	23	5	11	
Biology/ biological sciences, general	534	139	337	42	0	29	18	221	13	3	11	
Biomedical sciences, general	374	88	257	36	0	40	13	156	10	2	0	
Cell/ cellular biology and anatomy	792	201	555	78	0	89	19	325	26	5	13	
Cell/ cellular and molecular biology	627	171	439	66	0	67	13	258	20	4	11	

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Developmental biology and embryology	99	20	76	9	0	17	4	40	5	1	0	
Cell/ cellular biology and anatomy nec	66	10	40	3	0	5	2	27	1	0	2	
Ecology, evolutionary biology, and epidemiology	1,154	204	934	101	1	76	47	651	35	13	10	
Ecology	244	21	220	17	1	7	7	167	12	5	4	
Ecology and evolutionary biology	303	37	263	38	0	10	5	196	11	1	2	
Epidemiology	376	90	279	32	0	41	30	163	7	5	1	
Epidemiology and biostatistics	46	20	25	1	0	7	1	14	0	1	1	
Evolutionary biology	82	20	62	6	0	4	1	48	2	1	0	
Ecology, evolutionary biology, and epidemiology nec	103	16	85	7	0	7	3	63	3	0	2	
Genetics and genomics	471	105	356	38	2	37	5	254	8	7	5	
Genetics, general	133	29	100	16	1	10	1	68	0	2	2	
Genome sciences and genomics	106	24	81	5	0	10	2	58	3	3	0	
Human/ medical genetics	66	14	51	6	0	9	0	33	2	1	0	
Molecular genetics	92	19	70	5	0	6	0	53	3	1	2	
Genetics and genomics nec	74	19	54	6	1	2	2	42	0	0	1	
Microbiology and immunology	1,092	194	870	109	4	120	35	546	33	13	10	
Immunology	357	59	289	36	0	53	12	176	6	3	3	
Microbiology and immunology	282	39	236	28	3	28	11	144	14	4	4	
Microbiology, general	258	53	193	26	1	24	4	129	5	3	1	
Virology	91	23	68	9	0	2	2	50	3	1	1	
Microbiology and immunology nec	104	20	84	10	0	13	6	47	5	2	1	
Neurobiology and neurosciences	1,238	228	978	127	1	128	47	598	54	16	7	
Cognitive neuroscience	113	26	87	5	0	10	2	62	7	0	1	
Neurobiology	54	10	43	7	0	4	3	26	3	0	0	
Neuroscience	904	146	731	102	1	97	35	438	39	14	5	
Neurobiology and neurosciences nec	167	46	117	13	0	17	7	72	5	2	1	
Pharmacology and toxicology	377	78	285	35	0	37	30	166	12	2	3	
Pharmacology	183	42	131	16	0	17	12	79	6	1	0	
Toxicology	91	17	70	7	0	8	9	41	3	0	2	
Pharmacology and toxicology nec	103	19	84	12	0	12	9	46	3	1	1	
Physiology, oncology, and cancer biology	848	201	625	78	0	88	25	390	30	10	4	
Biomechanics	94	27	66	1	0	7	3	50	2	3	0	
Exercise physiology and kinesiology	99	7	92	9	0	4	3	73	1	2	0	
Oncology and cancer biology	333	92	230	31	0	48	9	130	8	3	1	
Physiology, general	84	15	65	13	0	4	2	38	5	1	2	

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Physiology, oncology, and cancer biology nec	238	60	172	24	0	25	8	99	14	1	1
Biological and biomedical sciences, other	666	155	494	59	1	45	28	329	18	8	6
Botany and plant biology	70	17	49	7	1	3	2	36	0	0	0
Entomology	129	27	98	8	0	3	5	75	5	1	1
Plant pathology and phytopathology	83	34	48	3	0	3	3	39	0	0	0
Plant physiology and biology nec	71	24	47	10	0	3	3	27	2	1	1
Zoology and animal biology	104	9	94	7	0	5	4	74	2	1	1
Biological and biomedical sciences nec	209	44	158	24	0	28	11	78	9	5	3
Computer and information sciences	2,595	1,498	964	64	2	216	57	533	43	29	20
Computer science	1,772	1,025	655	41	0	157	30	360	30	25	12
Computer science	1,772	1,025	655	41	0	157	30	360	30	25	12
Computer and information sciences, other	823	473	309	23	2	59	27	173	13	4	8
Artificial intelligence	295	190	97	5	0	25	6	58	1	2	0
Computer and information sciences, general	132	97	29	2	0	8	3	12	3	0	1
Computer systems networking and telecommunications	93	60	32	6	1	7	1	13	1	1	2
Informatics and information technology	133	53	69	5	1	10	8	41	3	0	1
Information sciences/ studies	107	40	55	4	0	5	7	31	4	1	3
Computer and information sciences nec	63	33	27	1	0	4	2	18	1	0	1
Engineering	10,544	5,389	4,657	390	9	780	223	2,899	186	74	96
Aerospace, aeronautical, astronautical, and space engineering	597	236	329	25	2	42	10	225	11	7	7
Aerospace, aeronautical, astronautical, and space engineering, general	218	86	118	9	0	15	5	81	4	2	2
Mechanical and aerospace engineering	218	92	124	11	1	18	2	82	4	2	4
Aerospace, aeronautical, astronautical, and space engineering nec	161	58	87	5	1	9	3	62	3	3	1
Biological, biomedical, and biosystems engineering	1,295	383	868	87	4	174	36	501	36	9	21
Bioengineering and biomedical engineering	1,203	337	822	82	2	167	35	475	32	9	20
Biological/ biosystems engineering and biomedical technology	92	46	46	5	2	7	1	26	4	0	1
Chemical and petroleum engineering	1,247	586	613	48	0	85	29	402	26	9	14
Chemical and biomolecular engineering	217	93	119	12	0	22	2	74	6	3	0
Chemical engineering	850	378	433	33	0	56	22	286	17	6	13
Petroleum engineering	98	69	27	1	0	4	5	17	0	0	0
Chemical and petroleum engineering nec	82	46	34	2	0	3	0	25	3	0	1
Civil, environmental, and transportation engineering	1,247	749	441	36	2	64	25	286	12	9	7

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Civil engineering	341	224	90	11	2	11	5	52	2	1	6	
Civil and environmental engineering	475	254	199	14	0	31	11	132	6	4	1	
Environmental/ environmental health engineering	60	21	37	3	0	6	4	20	1	3	0	
Geotechnical and geoenvironmental engineering	69	48	20	1	0	1	0	16	2	0	0	
Structural engineering	115	71	43	3	0	6	3	30	0	1	0	
Transportation and highway engineering	94	70	23	4	0	6	1	12	0	0	0	
Civil, environmental, and transportation engineering nec	93	61	29	0	0	3	1	24	1	0	0	
Electrical and computer engineering	2,022	1,311	600	33	0	138	30	332	29	17	21	
Computer engineering	252	172	71	5	0	16	2	39	5	3	1	
Electrical and computer engineering	1,311	849	417	23	0	100	24	229	19	8	14	
Electrical and electronics engineering	400	258	85	3	0	17	4	47	3	5	6	
Electrical and computer engineering nec	59	32	27	2	0	5	0	17	2	1	0	
Engineering technologies	415	260	145	11	0	32	10	77	11	3	1	
Electrical and electronic engineering technologies	98	71	27	2	0	7	0	17	0	1	0	
Electromechanical technologies	88	52	35	2	0	11	1	12	8	0	1	
Environmental control technologies	57	36	20	3	0	5	3	8	1	0	0	
Engineering technologies nec	172	101	63	4	0	9	6	40	2	2	0	
Industrial engineering and operations research	609	365	208	18	0	34	13	130	7	3	3	
Industrial engineering	160	96	44	5	0	7	4	26	2	0	0	
Industrial and systems engineering	168	111	53	4	0	10	3	32	1	1	2	
Operations research	164	111	41	1	0	12	0	24	2	2	0	
Systems and manufacturing engineering	117	47	70	8	0	5	6	48	2	0	1	
Materials and mining engineering	853	394	419	41	0	67	14	274	16	3	4	
Materials engineering	99	53	44	6	0	4	0	31	1	1	1	
Materials science and engineering	710	316	357	34	0	63	13	227	15	2	3	
Materials and mining engineering nec	44	25	18	1	0	0	1	16	0	0	0	
Mechanical engineering	1,524	778	687	63	0	106	33	448	19	8	10	
Mechanical engineering, general	1,391	716	621	58	0	90	26	415	15	7	10	
Mechanical engineering nec	133	62	66	5	0	16	7	33	4	1	0	
Engineering, other	735	327	347	28	1	38	23	224	19	6	8	
Agricultural and natural resources engineering	79	43	30	4	0	1	2	19	1	1	2	
Engineering mechanics, physics, and science	135	81	43	5	0	11	2	18	3	1	3	
Nanotechnology, nanoscience, and nanoengineering	122	66	48	4	0	6	5	30	3	0	0	
Nuclear engineering	157	50	97	7	0	5	2	79	3	1	0	
Engineering nec	242	87	129	8	1	15	12	78	9	3	3	

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Geosciences, atmospheric, and ocean sciences	1,204	349	814	75		1	56	24	605	37	2	14
Geological and earth sciences	685	211	445	49		0	38	13	321	20	1	3
Geochemistry	53	16	37	6		0	4	0	24	2	1	0
Geology	86	14	71	3		0	6	1	55	4	0	2
Geology/ earth science, general	111	37	62	5		0	2	2	45	8	0	0
Geophysics and seismology	105	48	51	6		0	7	1	37	0	0	0
Hydrology and water resources science	88	36	52	6		0	4	2	40	0	0	0
Geological and earth sciences nec	242	60	172	23		0	15	7	120	6	0	1
Ocean, marine, and atmospheric sciences	519	138	369	26		1	18	11	284	17	1	11
Atmospheric sciences and meteorology, general	109	40	67	6		0	2	4	52	2	0	1
Atmospheric sciences and meteorology nec	107	26	78	5		0	3	3	60	4	0	3
Climatology, atmospheric chemistry/ physics	57	21	36	2		0	4	1	24	4	1	0
Marine biology and biological oceanography	103	9	93	9		0	5	3	71	3	0	2
Marine sciences	72	13	55	3		1	2	0	44	1	0	4
Oceanography, chemical/ physical	71	29	40	1		0	2	0	33	3	0	1
Health sciences	2,874	623	2,068	175		11	200	303	1,243	59	38	39
Nursing and nursing science	583	74	474	26		1	27	76	322	10	6	6
Nursing education	85	1	82	4		0	0	14	63	0	1	0
Nursing science	345	45	296	18		1	18	43	200	8	5	3
Nursing specialties and practice	153	28	96	4		0	9	19	59	2	0	3
Pharmacy and pharmaceutical sciences	472	209	230	20		1	53	23	117	9	4	3
Medicinal and pharmaceutical chemistry	88	41	44	1		1	8	0	32	2	0	0
Pharmaceutical sciences	261	115	129	16		0	35	15	52	7	2	2
Pharmacy, pharmaceutical sciences, and administration nec	123	53	57	3		0	10	8	33	0	2	1
Public health	809	158	607	61		6	64	116	309	24	18	9
Environmental health	78	17	59	8		0	7	1	35	4	2	2
Health services research	107	24	80	4		0	13	10	48	2	1	2
Health/ medical physics	70	21	47	2		0	7	1	35	1	1	0
Public health education and promotion	96	11	82	6		2	3	28	35	3	4	1
Public health, general	218	38	160	21		2	18	34	69	8	7	1
Public health nec	240	47	179	20		2	16	42	87	6	3	3
Health sciences, other	1,010	182	757	68		3	56	88	495	16	10	21
Communication disorders sciences	126	20	100	10		1	7	3	73	2	2	2
Exercise science and kinesiology	134	29	95	10		0	1	4	75	3	0	2

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Health sciences, general	71	8	55	4	0	4	13	33	0	1	0
Marriage and family therapy/ counseling	65	5	58	12	0	2	14	26	1	0	3
Medical clinical sciences	90	13	60	4	1	7	4	38	2	1	3
Medical, biomedical, and health informatics	69	25	42	2	0	16	0	19	0	2	3
Mental health, counseling, and therapy services and sciences	87	5	73	12	0	1	22	35	1	1	1
Rehabilitation and therapeutic sciences	158	27	126	4	0	10	10	100	2	0	0
Health sciences nec	210	50	148	10	1	8	18	96	5	3	7
Mathematics and statistics	2,004	1,000	924	63	2	137	32	622	33	17	18
Applied mathematics	442	220	213	20	0	24	15	137	10	2	5
Applied mathematics, general	235	114	116	14	0	12	7	77	2	1	3
Computational and applied mathematics	151	79	68	4	0	6	7	43	5	1	2
Applied mathematics nec	56	27	29	2	0	6	1	17	3	0	0
Mathematics	921	359	514	34	1	63	9	370	18	9	10
Algebra and number theory	79	37	39	2	0	7	1	24	3	1	1
Mathematics, general	728	281	403	27	1	53	8	289	12	5	8
Mathematics nec	114	41	72	5	0	3	0	57	3	3	1
Statistics	641	421	197	9	1	50	8	115	5	6	3
Applied statistics, general	45	28	15	0	0	3	1	10	0	0	1
Mathematics and statistics	95	59	36	4	0	8	2	17	3	1	1
Statistics	449	297	132	5	1	34	5	80	2	4	1
Statistics nec	52	37	14	0	0	5	0	8	0	1	0
Multidisciplinary/ interdisciplinary sciences	1,623	730	817	81	4	117	54	504	31	12	14
Interdisciplinary computer sciences	549	305	218	20	0	46	14	128	6	2	2
Computer science and engineering	218	131	71	3	0	15	3	48	2	0	0
Electrical engineering and computer science	213	118	93	11	0	24	7	47	1	2	1
Interdisciplinary computer sciences nec	118	56	54	6	0	7	4	33	3	0	1
Multidisciplinary/ interdisciplinary sciences, other	1,074	425	599	61	4	71	40	376	25	10	12
Behavioral and cognitive sciences	118	20	89	13	0	12	6	48	7	2	1
Computational science and engineering	105	41	55	2	0	5	7	38	2	0	1
Data mining and machine learning	220	155	58	7	0	12	0	32	3	3	1
Data science and data analytics	112	48	60	3	0	14	4	29	5	1	4
History/ philosophy of science, technology, and society	58	13	44	7	1	2	0	31	2	1	0
Nutrition sciences	125	36	86	7	1	10	3	62	1	1	1
Polymer science and engineering	68	36	31	5	0	3	0	22	1	0	0

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Multidisciplinary/ interdisciplinary sciences nec	268	76	176	17	2	13	20	114	4	2	4
Physical sciences	5,367	2,106	3,089	321	4	377	100	2,089	116	32	50
Astronomy and astrophysics	340	107	225	26	0	22	5	158	9	2	3
Astronomy	117	26	90	6	0	8	1	70	2	1	2
Astrophysics	127	50	74	9	0	10	2	48	4	0	1
Astronomy and astrophysics nec	96	31	61	11	0	4	2	40	3	1	0
Chemistry	2,738	1,015	1,635	185	3	194	67	1,087	63	15	21
Analytical chemistry	363	139	221	24	0	25	15	148	4	2	3
Chemical biology	197	55	142	18	1	29	1	86	6	0	1
Chemistry, general	645	247	322	36	1	40	18	202	11	4	10
Inorganic chemistry	297	86	211	24	0	24	4	147	10	2	0
Organic chemistry	519	177	341	37	0	42	12	222	20	4	4
Physical chemistry	267	111	152	13	0	10	3	119	4	1	2
Polymer chemistry	85	36	49	6	0	3	3	34	2	1	0
Theoretical and computational chemistry	207	111	92	11	1	11	6	59	2	1	1
Chemistry nec	158	53	105	16	0	10	5	70	4	0	0
Materials sciences	357	170	183	22	0	28	5	122	4	2	0
Materials science	167	82	82	6	0	11	3	59	1	2	0
Materials chemistry and materials sciences nec	190	88	101	16	0	17	2	63	3	0	0
Physics	1,932	814	1,046	88	1	133	23	722	40	13	26
Applied physics	165	63	88	3	1	17	4	55	5	3	0
Atomic/ molecular physics	83	37	46	3	0	6	1	34	2	0	0
Condensed matter and materials physics	317	174	142	9	0	20	4	97	8	2	2
Elementary particle physics	163	76	86	12	0	10	1	58	4	0	1
Nuclear physics	85	19	65	6	0	8	2	48	1	0	0
Optics/ optical sciences	128	59	64	6	0	11	0	44	1	0	2
Physics and astronomy	236	91	143	18	0	13	4	99	7	1	1
Physics, general	421	169	207	14	0	19	2	147	6	3	16
Plasma and high-temperature physics	73	23	50	5	0	4	1	39	0	1	0
Theoretical and mathematical physics	118	52	66	6	0	7	2	44	3	3	1
Physics and physical sciences nec	143	51	89	6	0	18	2	57	3	0	3
Psychology	3,951	339	3,344	426	14	243	356	2,045	144	37	79
Clinical psychology	1,159	39	1,035	143	3	69	69	654	49	13	35
Clinical child psychology	60	0	60	5	0	2	7	43	3	0	0
Clinical psychology	1,099	39	975	138	3	67	62	611	46	13	35

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			Total	Hispanic or Latino	Not Hispanic or Latino						Other race or race not reported	
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Counseling and applied psychology	1,464	115	1,272	155	6	99	195	736	45	15	21	
Applied behavior analysis	57	5	52	4	0	5	1	40	2	0	0	
Counseling psychology	412	19	370	45	3	26	69	203	13	2	9	
Educational psychology	240	42	188	21	1	13	33	108	6	2	4	
Industrial and organizational psychology	200	15	175	22	0	22	26	94	7	3	1	
School psychology	258	16	236	29	0	14	26	156	5	2	4	
Counseling and applied psychology nec	297	18	251	34	2	19	40	135	12	6	3	
Research and experimental psychology	816	131	668	80	2	50	49	440	33	8	6	
Behavioral neuroscience	107	12	89	6	0	5	4	67	6	0	1	
Cognitive psychology and psycholinguistics	99	21	77	9	0	8	4	52	3	1	0	
Developmental and child psychology	109	24	83	7	1	6	6	62	0	1	0	
Experimental psychology	107	13	91	8	0	3	2	70	5	1	2	
Social psychology	185	23	160	25	0	14	11	93	12	3	2	
Research and experimental psychology nec	209	38	168	25	1	14	22	96	7	2	1	
Psychology, other	512	54	369	48	3	25	43	215	17	1	17	
Human development	155	29	109	9	0	8	5	76	7	0	4	
Psychology, general	295	20	211	31	3	14	30	113	7	0	13	
Psychology nec	62	5	49	8	0	3	8	26	3	1	0	
Social sciences	5,126	1,826	3,097	339	19	289	308	1,917	125	45	55	
Anthropology	395	78	301	39	4	25	15	189	18	4	7	
Anthropology, general	113	22	81	14	2	4	6	46	2	1	6	
Cultural anthropology	177	47	128	20	2	17	7	70	9	3	0	
Physical and biological anthropology	69	6	62	2	0	1	1	53	4	0	1	
Anthropology nec	36	3	30	3	0	3	1	20	3	0	0	
Area, ethnic, cultural, gender, and group studies	457	120	316	58	10	31	50	141	13	2	11	
American studies	60	4	49	7	1	6	5	21	4	2	3	
Area studies	214	92	114	18	0	9	8	75	2	0	2	
Ethnic studies	95	10	81	21	9	8	30	8	3	0	2	
Area, ethnic, cultural, gender, and group studies nec	88	14	72	12	0	8	7	37	4	0	4	
Economics	1,385	864	470	37	1	76	19	300	17	8	12	
Agricultural economics	97	65	30	0	0	4	1	24	0	0	1	
Applied economics	141	84	56	3	0	11	1	37	1	1	2	
Development economics and international development	42	30	12	1	0	2	1	7	0	1	0	
Econometrics and quantitative economics	227	181	39	5	1	10	3	16	0	1	3	
Economics, general	768	437	296	27	0	45	13	187	13	5	6	

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2024

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents									
			Total	Hispanic or Latino	Not Hispanic or Latino						Other race or race not reported	Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race			
Environmental/ natural resource economics	58	30	25	0	0	2	0	20	3	0	0	
Economics nec	52	37	12	1	0	2	0	9	0	0	0	
Political science and government	674	206	433	25	0	35	31	309	16	11	6	
Political science and government, general	562	179	348	22	0	27	23	250	14	7	5	
Political science and government nec	112	27	85	3	0	8	8	59	2	4	1	
Public policy analysis	434	71	336	23	1	32	68	189	13	6	4	
Education policy analysis	125	14	108	8	0	11	17	69	1	1	1	
Health policy analysis	60	8	47	3	1	10	4	25	1	2	1	
Public policy analysis, general	112	32	74	8	0	7	12	37	7	2	1	
Public policy nec	137	17	107	4	0	4	35	58	4	1	1	
Sociology, demography, and population studies	638	131	481	66	1	27	65	291	20	5	6	
Sociology, general	555	115	416	58	0	23	54	252	19	4	6	
Sociology, demography, and population studies nec	83	16	65	8	1	4	11	39	1	1	0	
Social sciences, other	1,143	356	760	91	2	63	60	498	28	9	9	
Applied linguistics	77	32	41	8	1	6	1	23	2	0	0	
Archeology	91	19	70	8	0	2	2	51	4	3	0	
Criminology	111	10	100	11	0	4	11	70	1	0	3	
Geography and cartography	204	64	135	16	0	12	7	92	3	2	3	
International relations and national security studies	131	45	80	10	1	3	5	56	5	0	0	
Linguistics	220	98	119	12	0	15	5	78	6	2	1	
Social sciences nec	309	88	215	26	0	21	29	128	7	2	2	
Non-science and engineering	11,737	2,598	8,453	826	46	532	1,111	5,361	292	123	162	
Business	1,356	633	641	46	2	107	94	342	13	21	16	
Business administration and management	441	179	220	16	0	26	44	112	5	8	9	
Business management and administration	226	104	100	2	0	16	16	53	2	4	7	
Organizational leadership	92	11	70	13	0	2	20	28	1	4	2	
Business administration and management nec	123	64	50	1	0	8	8	31	2	0	0	
Business, other	915	454	421	30	2	81	50	230	8	13	7	
Accounting and accounting-related	150	55	91	4	0	18	7	56	2	2	2	
Finance and financial management	185	119	59	5	0	16	5	27	3	1	2	
Management information systems	93	54	36	4	0	6	5	17	2	2	0	
Management sciences	91	47	40	4	1	4	8	22	0	1	0	
Marketing	136	73	57	2	1	16	3	32	0	3	0	
Organizational behavior studies	81	23	54	5	0	9	8	30	1	1	0	
Business nec	179	83	84	6	0	12	14	46	0	3	3	

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2024

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents									Ethnicity not reported
			Total	Hispanic or Latino	Not Hispanic or Latino						Other race or race not reported	
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race			
Education	3,941	526	3,218	342	25	166	586	1,920	98	31	50	
Education leadership and administration	1,162	69	1,049	127	8	41	263	553	32	8	17	
Educational leadership and administration, general	466	30	414	46	5	14	105	227	9	2	6	
Higher education and community college administration	469	20	438	55	1	18	104	233	15	6	6	
Education leadership and administration nec	227	19	197	26	2	9	54	93	8	0	5	
Education research	1,222	204	963	86	6	56	171	581	34	11	18	
Curriculum and instruction	405	46	337	35	1	17	56	205	10	7	6	
Educational assessment, evaluation, and research methods	212	53	151	11	3	12	15	103	4	1	2	
Educational/ instructional technology and media design	205	62	132	5	0	14	18	83	6	0	6	
Higher education evaluation and research	53	8	42	5	0	1	7	28	0	1	0	
Student counseling and personnel services	275	19	246	22	2	6	67	137	9	1	2	
Education research nec	72	16	55	8	0	6	8	25	5	1	2	
Teacher education and teaching fields	1,110	199	858	92	7	46	88	585	24	8	8	
Adult, continuing, and workforce education and development	59	5	49	5	0	5	5	33	1	0	0	
Bilingual, multilingual, and multicultural education	66	21	43	14	4	3	1	20	0	1	0	
Language and literacy education	98	18	76	8	1	5	9	49	1	1	2	
Mathematics teacher education	53	7	46	6	0	2	10	26	2	0	0	
Music teacher education	65	7	58	4	0	3	8	39	2	0	2	
Special education and teaching	259	38	209	15	0	9	17	157	8	1	2	
STEM educational methods	86	13	68	5	1	3	6	50	3	0	0	
Teacher education, science and engineering	72	19	51	5	0	2	3	39	1	0	1	
Teacher education, specific levels and methods	216	44	166	21	0	9	18	111	4	2	1	
Teacher education, specific subject areas	136	27	92	9	1	5	11	61	2	3	0	
Education, other	447	54	348	37	4	23	64	201	8	4	7	
Education, general	319	44	230	18	3	21	39	132	6	4	7	
Education nec	128	10	118	19	1	2	25	69	2	0	0	
Humanities	3,305	666	2,450	256	8	115	135	1,762	84	34	56	
English language and literature, letters	1,017	133	837	80	3	29	52	616	32	8	17	
American literature (United States)	108	14	94	14	0	1	12	62	4	0	1	
Creative writing	89	7	77	3	1	4	3	61	2	2	1	
English language and literature, general	403	45	322	31	2	13	22	227	13	3	11	
English literature (British and Commonwealth)	119	22	96	6	0	3	2	81	3	1	0	
Rhetoric, composition, and writing studies	205	28	173	13	0	4	11	133	7	1	4	
English language and literature nec	93	17	75	13	0	4	2	52	3	1	0	

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2024

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents									Ethnicity not reported
			Total	Hispanic or Latino	Not Hispanic or Latino						Other race or race not reported	
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Foreign languages, literatures, and linguistics	539	196	296	63	1	20	10	184	7	3	8	
Comparative literature	108	39	56	5	0	7	2	36	2	2	2	
Hispanic/ Latin American languages, literatures, and linguistics	84	37	45	25	0	1	0	19	0	0	0	
Romance languages, literatures, and linguistics	99	27	57	5	0	3	4	42	2	1	0	
Spanish language and literature	77	28	41	23	0	1	1	14	0	0	2	
Foreign languages, literatures, and linguistics nec	171	65	97	5	1	8	3	73	3	0	4	
History	719	112	586	48	4	18	31	443	19	9	14	
American history (United States)	229	10	216	11	0	3	19	172	8	2	1	
European history	112	16	94	4	0	1	1	85	1	0	2	
History, general	179	29	136	14	2	7	3	92	6	1	11	
History, regional focus	126	49	75	14	0	7	6	41	3	4	0	
History nec	73	8	65	5	2	0	2	53	1	2	0	
Philosophy and religious studies	631	141	457	39	0	26	16	338	17	10	11	
Philosophy	438	107	308	32	0	13	11	224	12	6	10	
Religion/ religious studies	135	19	108	7	0	9	5	80	5	2	0	
Philosophy and religious studies nec	58	15	41	0	0	4	0	34	0	2	1	
Humanities, other	399	84	274	26	0	22	26	181	9	4	6	
Bible/ biblical studies	84	18	60	4	0	4	4	45	1	1	1	
Humanities and humanistic studies	125	42	77	14	0	2	12	44	3	1	1	
Theological and ministerial studies	190	24	137	8	0	16	10	92	5	2	4	
Visual and performing arts	874	166	651	52	6	41	27	464	30	16	15	
Performing arts	518	93	384	28	3	23	19	272	18	10	11	
Dance, drama, theatre arts, and stagecraft	92	14	69	2	0	5	8	45	5	1	3	
Music performance	133	38	81	9	1	9	6	51	3	1	1	
Music theory and composition	89	16	69	7	0	1	1	52	4	2	2	
Musicology and ethnomusicology	106	13	92	4	0	3	2	76	5	2	0	
Music nec	98	12	73	6	2	5	2	48	1	4	5	
Visual arts, media studies, and design	356	73	267	24	3	18	8	192	12	6	4	
Art history, criticism, and conservation	210	37	163	14	2	9	2	124	8	2	2	
Film, cinema, and media studies	88	23	63	7	1	7	4	41	3	0	0	
Visual arts, media studies, and design nec	58	13	41	3	0	2	2	27	1	4	2	
Other non-science and engineering	2,261	607	1,493	130	5	103	269	873	67	21	25	
Communication and journalism	649	182	431	41	0	37	44	277	18	6	8	
Applied communication, advertising, and public relations	106	35	66	12	0	5	7	39	1	2	0	

Table 3-3. Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2024

(Number)

Field of doctorate	All doctorate recipients ^a	Temporary visa holders	U.S. citizens and permanent residents									Ethnicity not reported
			Total	Hispanic or Latino	Not Hispanic or Latino						Other race or race not reported	
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Communication and media studies	142	36	104	12	0	10	9	69	3	1	0	
Communication, general	190	35	149	7	0	14	10	103	10	2	3	
Mass communication/ media studies	107	35	66	6	0	5	11	39	1	1	3	
Communication and journalism nec	104	41	46	4	0	3	7	27	3	0	2	
Multidisciplinary/ interdisciplinary studies	386	58	281	19	1	13	32	191	16	3	6	
Classical and ancient studies	108	12	88	9	0	3	0	70	5	1	0	
Interdisciplinary leadership/ leadership studies	149	11	108	2	0	4	27	68	6	1	0	
Multidisciplinary/ interdisciplinary studies nec	129	35	85	8	1	6	5	53	5	1	6	
Public administration and social services	534	96	395	36	4	19	140	168	17	7	4	
Public administration	199	70	124	8	3	9	47	49	2	4	2	
Social work and human services	335	26	271	28	1	10	93	119	15	3	2	
Non-science and engineering, other	692	271	386	34	0	34	53	237	16	5	7	
Architecture and architectural studies	137	78	54	5	0	5	1	41	1	0	1	
City/ urban, community, and regional planning	90	36	53	3	0	7	9	30	4	0	0	
Family, consumer, and human sciences	123	33	84	8	0	8	16	44	4	1	3	
Homeland security and protective services	141	41	92	8	0	6	18	53	3	1	3	
Law/ legal studies and research	97	63	22	4	0	4	1	10	2	1	0	
Parks, recreation, leisure, fitness, and sport studies and management	73	14	57	5	0	1	7	41	2	1	0	
Other non-science and engineering nec	31	6	24	1	0	3	1	18	0	1	0	

nec = not elsewhere classified; STEM = science, technology, engineering, and mathematics.

^a All doctorate recipients includes doctorate recipients who did not report citizenship status.**Note(s):**

Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and new broad, major, and detailed fields are used in tables reporting data from 2021 to the present; see the field list in table A-4. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information about the 2021 taxonomy change, see the "Technical Notes."

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.