

Table 3-3**Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2021**

(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						Ethnicity not reported
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All fields	52,250	17,638	31,674	2,856	100	3,022	2,431	21,333	1,088	376	468
Science and engineering	41,356	15,259	23,906	2,166	66	2,553	1,459	16,235	834	283	310
Agricultural sciences and natural resources	1,223	477	695	44	4	40	30	538	12	10	17
Agricultural, animal, plant, and veterinary sciences	807	340	440	24	0	23	16	355	5	6	11
Agronomy and crop science	69	27	42	4	0	2	0	34	0	2	0
Animal sciences	160	66	88	2	0	3	0	81	1	0	1
Food science and technology	175	94	77	4	0	6	6	57	0	2	2
Plant sciences	152	57	88	5	0	7	3	69	0	0	4
Soil sciences	79	36	42	1	0	3	4	30	1	2	1
Veterinary biomedical and clinical sciences	78	30	44	4	0	1	2	34	1	0	2
Agricultural, animal, plant, and veterinary sciences nec	94	30	59	4	0	1	1	50	2	0	1
Natural resources and conservation	416	137	255	20	4	17	14	183	7	4	6
Environmental science	117	46	66	5	1	5	4	46	2	2	1
Environmental/natural resources management and policy	78	37	37	2	1	6	2	25	0	0	1
Forestry	74	28	44	2	0	3	4	33	0	1	1
Natural resources conservation and research	74	13	56	6	2	2	4	37	2	1	2
Natural resources and conservation nec	73	13	52	5	0	1	0	42	3	0	1
Biological and biomedical sciences	8,259	2,067	5,876	571	13	700	269	4,001	214	52	56
Biochemistry, biophysics, and molecular biology	1,348	426	882	82	1	98	40	618	34	7	2
Biochemistry	417	141	262	24	1	22	12	191	9	2	1
Biochemistry and molecular biology	263	79	182	15	0	20	12	125	8	1	1
Biophysics	206	87	112	9	0	14	1	81	6	1	0
Molecular biology	260	54	199	20	0	26	9	133	8	3	0
Biochemistry, biophysics, and molecular biology nec	202	65	127	14	0	16	6	88	3	0	0
Bioinformatics, biostatistics, and computational biology	563	252	296	23	1	65	10	175	11	6	5
Bioinformatics	136	56	79	4	0	12	3	51	5	2	2
Biostatistics	224	110	105	10	0	25	5	60	3	1	1

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Computational biology	106	43	61	6	1	18	1	29	2	3	1
Bioinformatics, biostatistics, and computational biology nec	97	43	51	3	0	10	1	35	1	0	1
Cell/ cellular biology and anatomy	657	173	455	57	1	62	18	285	24	5	3
Cell/ cellular and molecular biology	482	137	324	42	1	46	14	194	20	4	3
Developmental biology and embryology	103	21	81	9	0	12	1	54	4	1	0
Cell/ cellular biology and anatomy nec	72	15	50	6	0	4	3	37	0	0	0
Ecology, evolutionary biology, and epidemiology	984	166	793	61	0	67	45	591	20	5	4
Ecology	227	31	195	13	0	7	1	167	4	3	0
Ecology and evolutionary biology	243	27	214	24	0	5	6	172	6	0	1
Epidemiology	298	61	232	10	0	40	30	146	5	1	0
Epidemiology and biostatistics	54	12	31	2	0	7	5	14	2	0	1
Evolutionary biology	68	14	52	4	0	6	2	39	1	0	0
Ecology, evolutionary biology, and epidemiology nec	94	21	69	8	0	2	1	53	2	1	2
Genetics and genomics	398	93	291	28	0	34	10	201	12	4	2
Genetics, general	121	25	90	10	0	11	1	62	3	2	1
Genome sciences and genomics	72	14	55	4	0	7	3	40	1	0	0
Human/ medical genetics	62	16	46	5	0	5	1	31	2	1	1
Molecular genetics	72	16	52	7	0	8	3	33	1	0	0
Genetics nec	71	22	48	2	0	3	2	35	5	1	0
Microbiology and immunology	974	179	766	83	3	72	36	540	24	2	6
Immunology	303	44	250	33	0	39	13	152	13	0	0
Microbiology and immunology	217	31	176	13	0	14	9	136	3	1	0
Microbiology, general	257	50	201	19	2	14	10	148	5	0	3
Virology	107	22	83	14	1	3	3	59	1	1	1
Microbiology and immunology nec	90	32	56	4	0	2	1	45	2	0	2
Neurobiology and neurosciences	1,014	180	795	84	2	101	21	544	26	9	8
Cognitive neuroscience	102	24	77	7	0	8	1	60	0	0	1
Neurobiology and anatomy	94	14	76	10	1	10	0	53	1	1	0

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Neuroscience	686	111	545	53	1	73	14	374	20	3	7
Neurobiology and neurosciences nec	132	31	97	14	0	10	6	57	5	5	0
Pharmacology and toxicology	311	72	222	23	0	32	14	137	8	2	6
Pharmacology	131	30	94	13	0	19	5	51	3	1	2
Toxicology	106	19	79	6	0	6	9	51	3	1	3
Pharmacology and toxicology nec	74	23	49	4	0	7	0	35	2	0	1
Physiology, oncology and cancer biology	713	165	517	50	2	68	32	336	16	6	7
Biomechanics	77	21	55	6	0	2	2	41	4	0	0
Exercise physiology and kinesiology	76	10	65	6	2	1	1	54	1	0	0
Oncology and cancer biology	315	70	231	22	0	40	16	141	5	3	4
Physiology, general	76	23	48	3	0	8	2	29	3	2	1
Physiology, oncology and cancer biology nec	169	41	118	13	0	17	11	71	3	1	2
Biological and biomedical sciences, other	1,297	361	859	80	3	101	43	574	39	6	13
Biology/ biological sciences, general	331	76	216	21	1	33	12	135	4	3	7
Biomedical sciences, general	331	84	225	27	0	29	17	133	15	1	3
Botany and plant biology	62	15	47	2	0	5	1	38	1	0	0
Entomology	114	24	89	7	0	5	3	67	6	0	1
Plant physiology and biology nec	60	21	39	7	0	1	1	29	1	0	0
Plant pathology and phytopathology	119	66	46	5	0	3	1	37	0	0	0
Zoology and animal biology	96	16	79	3	1	3	0	65	6	0	1
Biological and biomedical sciences nec	184	59	118	8	1	22	8	70	6	2	1
Computer and information sciences	2,195	1,334	703	32	0	136	36	450	27	11	11
Computer science	1,545	953	480	20	0	95	19	316	17	6	7
Computer science	1,545	953	480	20	0	95	19	316	17	6	7
Computer and information sciences, other	650	381	223	12	0	41	17	134	10	5	4
Artificial intelligence	167	111	51	2	0	15	0	29	3	2	0
Computer and information sciences, general	110	74	23	1	0	4	0	15	2	1	0

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Computer systems networking and telecommunications	113	75	25	3	0	5	3	11	2	0	1
Informatics and information technology	88	39	44	2	0	4	8	27	0	1	2
Information science/studies	103	42	54	2	0	7	6	35	3	1	0
Computer and information sciences nec	69	40	26	2	0	6	0	17	0	0	1
Engineering	9,563	5,266	3,785	311	6	582	156	2,515	115	53	47
Biological, biomedical, and biosystems engineering	1,071	306	732	68	1	148	20	447	29	11	8
Bioengineering and biomedical engineering	978	264	685	66	1	137	19	416	27	11	8
Biological/biosystems engineering and biomedical technology	93	42	47	2	0	11	1	31	2	0	0
Chemical and petroleum engineering	1,292	689	540	33	0	80	21	372	24	3	7
Chemical and biomolecular engineering	189	82	100	6	0	15	5	68	5	1	0
Chemical engineering	803	416	345	19	0	53	8	249	11	1	4
Petroleum engineering	132	103	17	1	0	5	4	3	2	1	1
Chemical and petroleum engineering nec	168	88	78	7	0	7	4	52	6	0	2
Civil, environmental, and transportation engineering	1,020	642	325	33	1	46	14	214	7	8	2
Civil engineering	571	351	173	15	1	19	9	121	3	4	1
Environmental/environmental health engineering	93	40	50	6	0	9	2	29	3	1	0
Geotechnical and geoenvironmental engineering	76	53	21	1	0	2	0	16	1	1	0
Structural engineering	135	93	42	6	0	7	2	26	0	1	0
Transportation and highway engineering	76	61	15	1	0	5	1	7	0	0	1
Civil, environmental, and transportation engineering nec	69	44	24	4	0	4	0	15	0	1	0
Electrical and computer engineering	2,047	1,384	553	40	0	99	32	356	8	8	10
Computer engineering	264	182	64	5	0	12	3	41	0	1	2

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Electrical and computer engineering	1,205	817	356	27	0	63	24	229	5	5	3
Electrical and electronics engineering	512	334	118	8	0	20	4	76	3	2	5
Electrical and computer engineering nec	66	51	15	0	0	4	1	10	0	0	0
Engineering technologies	452	310	132	8	2	31	9	77	5	0	0
Electrical and electronic engineering technologies	80	61	18	1	0	6	0	10	1	0	0
Electromechanical technologies	59	38	17	1	0	4	2	10	0	0	0
Environmental control technologies	148	91	57	6	1	9	3	36	2	0	0
Engineering technologies nec	165	120	40	0	1	12	4	21	2	0	0
Industrial engineering and operations research	604	376	203	17	1	34	11	126	6	4	4
Industrial engineering	325	211	100	6	0	19	7	61	2	2	3
Operations research	160	105	49	5	0	10	3	29	0	2	0
Systems and manufacturing engineering	119	60	54	6	1	5	1	36	4	0	1
Materials and mining engineering	672	336	288	27	0	43	12	186	11	5	4
Materials engineering	194	105	61	4	0	8	6	41	0	2	0
Materials science and engineering	429	208	204	22	0	31	6	129	11	2	3
Materials and mining engineering nec	49	23	23	1	0	4	0	16	0	1	1
Mechanical engineering	1,413	764	571	52	1	57	20	413	10	9	9
Mechanical engineering, general	1,413	764	571	52	1	57	20	413	10	9	9
Engineering, other	992	459	441	33	0	44	17	324	15	5	3
Aerospace, aeronautical, astronautical, and space engineering	350	152	175	17	0	17	3	127	7	3	1
Engineering mechanics, physics, and science	111	67	32	2	0	6	0	21	0	1	2
Nanotechnology	61	38	23	0	0	8	1	14	0	0	0
Nuclear engineering	156	55	93	4	0	6	3	76	3	1	0
Engineering nec	314	147	118	10	0	7	10	86	5	0	0
Geosciences, atmospheric, and ocean sciences	1,044	336	665	48	2	30	13	528	33	7	4

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Geological and earth sciences	613	211	373	26	1	14	10	296	19	3	4
Geochemistry	60	12	47	4	0	1	0	38	4	0	0
Geology	109	27	81	7	0	4	1	64	3	1	1
Geology/ earth science, general	104	35	63	3	0	4	1	52	1	0	2
Geophysics and seismology	101	57	40	5	1	2	2	29	1	0	0
Hydrology and water resources science	81	34	44	0	0	1	2	34	5	1	1
Geological and earth sciences nec	158	46	98	7	0	2	4	79	5	1	0
Ocean/ marine sciences and atmospheric science	431	125	292	22	1	16	3	232	14	4	0
Atmospheric sciences and meteorology, general	94	33	57	3	1	3	1	47	2	0	0
Climatology, atmospheric chemistry and physics	60	22	37	3	0	6	0	26	1	1	0
Marine biology and biological oceanography	89	11	76	8	0	4	0	58	4	2	0
Marine sciences	57	12	42	5	0	1	0	34	1	1	0
Oceanography, chemical and physical	84	32	49	2	0	2	1	40	4	0	0
Atmospheric sciences and meteorology nec	47	15	31	1	0	0	1	27	2	0	0
Health sciences	2,582	528	1,886	139	9	182	263	1,192	55	16	30
Nursing and nursing science	603	60	510	40	3	29	60	361	8	4	5
Nursing education	89	5	84	8	0	4	8	61	2	1	0
Nursing science	357	33	316	23	3	20	30	233	4	2	1
Nursing specialties and practice	157	22	110	9	0	5	22	67	2	1	4
Pharmacy and pharmaceutical sciences	408	189	196	14	1	35	15	118	7	2	4
Medicinal and pharmaceutical chemistry	64	24	38	2	1	1	1	31	2	0	0
Pharmaceutical sciences	243	113	117	11	0	26	10	63	3	2	2
Pharmacy, pharmaceutical sciences, and administration nec	101	52	41	1	0	8	4	24	2	0	2
Public health	696	131	527	45	3	64	110	278	17	4	6
Environmental health	66	19	42	6	0	8	2	26	0	0	0

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Health services research	86	19	60	5	0	14	7	30	2	0	2
Health/ medical physics	70	19	50	3	0	5	1	38	2	1	0
Public health education and promotion	95	8	83	4	1	5	25	43	4	1	0
Public health, general	179	28	139	18	1	18	38	60	3	0	1
Public health nec	200	38	153	9	1	14	37	81	6	2	3
Health sciences, other	875	148	653	40	2	54	78	435	23	6	15
Communication disorders sciences	127	21	99	4	1	7	8	76	2	0	1
Exercise science and kinesiology	92	22	67	6	0	3	3	51	2	1	1
Health sciences, general	66	3	52	5	0	3	8	32	0	2	2
Marriage and family therapy/ counseling	58	3	52	3	0	1	15	27	2	0	4
Medical clinical science	60	6	41	4	0	3	2	29	2	1	0
Medical, biomedical, and health informatics	61	23	33	2	0	9	1	20	1	0	0
Mental health, counseling, and therapy services and sciences	91	4	82	4	1	5	16	52	3	0	1
Rehabilitation and therapeutic sciences	121	19	95	3	0	4	7	75	3	1	2
Health sciences nec	199	47	132	9	0	19	18	73	8	1	4
Mathematics and statistics	1,915	987	847	65	0	96	28	597	33	13	15
Applied mathematics	475	235	228	15	0	22	14	161	8	5	3
Applied mathematics, general	265	124	132	5	0	11	5	104	3	2	2
Computational and applied mathematics	141	76	63	4	0	7	9	36	3	3	1
Applied mathematics nec	69	35	33	6	0	4	0	21	2	0	0
Mathematics	827	356	428	38	0	45	6	312	18	4	5
Algebra and number theory	69	30	38	1	0	5	0	31	0	0	1
Mathematics, general	640	275	327	34	0	31	3	233	18	4	4
Mathematics nec	118	51	63	3	0	9	3	48	0	0	0
Statistics	613	396	191	12	0	29	8	124	7	4	7
Applied statistics, general	56	34	20	2	0	0	4	12	1	0	1
Mathematics and statistics	90	50	38	2	0	2	1	29	2	1	1
Statistics	402	267	116	8	0	21	2	74	4	2	5

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Statistics nec	65	45	17	0	0	6	1	9	0	1	0
Multidisciplinary/interdisciplinary sciences	1,299	544	674	68	2	70	51	439	27	9	8
Interdisciplinary computer sciences	448	255	175	16	1	33	6	104	9	5	1
Computer science and engineering	119	71	40	2	0	9	2	22	3	2	0
Electrical engineering and computer science	224	138	83	7	0	17	1	52	4	2	0
Interdisciplinary computer sciences nec	105	46	52	7	1	7	3	30	2	1	1
Multidisciplinary/interdisciplinary sciences, other	851	289	499	52	1	37	45	335	18	4	7
Behavioral and cognitive sciences	79	19	60	9	0	4	7	34	5	0	1
Computational science and engineering	104	48	46	4	0	6	3	30	1	1	1
Data science and data analytics	106	67	34	2	0	8	2	19	1	1	1
History/ philosophy of science, technology and society	68	12	49	5	1	1	0	40	0	1	1
Nanoscience/nanoscale science	57	29	28	2	0	3	2	20	1	0	0
Nutrition sciences	138	48	84	9	0	3	5	66	0	0	1
Multidisciplinary/interdisciplinary sciences nec	299	66	198	21	0	12	26	126	10	1	2
Physical sciences	4,811	1,901	2,712	216	6	266	76	1,994	96	28	30
Astronomy and astrophysics	263	72	183	12	1	11	4	146	7	2	0
Astronomy	71	21	46	2	0	4	0	39	1	0	0
Astrophysics	113	33	77	3	1	4	2	65	1	1	0
Astronomy and astrophysics nec	79	18	60	7	0	3	2	42	5	1	0
Chemistry	2,369	875	1,390	124	4	121	56	1,004	52	13	16
Analytical chemistry	321	125	192	14	0	19	10	139	7	3	0
Chemical biology	151	49	101	7	0	16	6	67	5	0	0
Chemistry, general	495	185	231	22	2	21	15	148	7	4	12
Inorganic chemistry	283	95	186	20	0	14	2	145	4	1	0
Organic chemistry	454	165	285	28	0	16	14	216	7	3	1
Physical chemistry	293	111	180	17	0	14	3	131	11	1	3
Polymer chemistry	121	51	67	5	0	10	4	45	3	0	0
Theoretical chemistry	108	49	56	3	1	3	0	43	6	0	0
Chemistry nec	143	45	92	8	1	8	2	70	2	1	0
Materials sciences	429	195	226	12	0	40	5	162	6	1	0

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Materials science	276	138	135	6	0	27	2	94	5	1	0
Materials chemistry and materials science nec	153	57	91	6	0	13	3	68	1	0	0
Physics	1,750	759	913	68	1	94	11	682	31	12	14
Applied physics	133	52	70	7	0	12	1	46	4	0	0
Atomic/ molecular physics	89	33	55	1	0	11	0	40	2	0	1
Condensed matter and materials physics	358	192	162	8	1	20	0	118	7	5	3
Elementary particle physics	166	79	86	5	0	8	1	67	2	1	2
Nuclear physics	79	28	49	3	0	2	0	40	3	0	1
Optics/ optical sciences	120	56	56	7	0	3	1	41	4	0	0
Physics and astronomy	193	80	109	8	0	10	0	87	2	0	2
Physics, general	339	122	172	19	0	11	3	128	2	5	4
Plasma and high-temperature physics	57	11	46	4	0	5	1	33	3	0	0
Theoretical and mathematical physics	99	49	49	4	0	4	0	40	1	0	0
Physics and physical sciences nec	117	57	59	2	0	8	4	42	1	1	1
Psychology	3,716	309	3,070	360	9	195	243	2,031	125	47	60
Clinical psychology	1,256	54	1,090	138	1	73	61	732	44	18	23
Clinical child psychology	52	1	47	8	0	2	3	31	2	0	1
Clinical psychology	1,204	53	1,043	130	1	71	58	701	42	18	22
Counseling and applied psychology	1,338	105	1,133	131	6	65	135	716	42	13	25
Applied behavior analysis	59	4	52	6	0	4	2	40	0	0	0
Counseling psychology	365	16	313	45	4	21	35	177	11	3	17
Educational psychology	229	43	171	14	0	8	22	117	4	5	1
Industrial and organizational psychology	181	20	149	17	0	14	13	97	6	2	0
School psychology	259	4	242	24	1	10	28	162	14	0	3
Counseling and applied psychology nec	245	18	206	25	1	8	35	123	7	3	4
Research and experimental psychology	651	102	530	52	1	46	14	381	23	11	2
Behavioral neuroscience	87	11	73	11	1	7	1	47	3	2	1

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Cognitive psychology and psycholinguistics	106	23	78	6	0	6	1	58	6	1	0
Developmental and child psychology	78	11	67	11	0	8	1	44	2	1	0
Experimental psychology	98	15	80	7	0	5	2	63	1	1	1
Social psychology	143	13	127	8	0	10	8	91	7	3	0
Research and experimental psychology nec	139	29	105	9	0	10	1	78	4	3	0
Psychology, other	471	48	317	39	1	11	33	202	16	5	10
Human development	142	23	101	9	1	6	13	58	11	0	3
Psychology, general	261	20	155	22	0	5	15	99	4	4	6
Psychology nec	68	5	61	8	0	0	5	45	1	1	1
Social sciences	4,749	1,510	2,993	312	15	256	294	1,950	97	37	32
Anthropology	388	75	294	35	3	26	8	190	20	8	4
Anthropology, general	80	11	55	5	1	7	0	32	5	3	2
Cultural anthropology	186	48	136	16	2	14	6	84	9	4	1
Physical and biological anthropology	71	9	59	7	0	3	1	42	4	1	1
Anthropology nec	51	7	44	7	0	2	1	32	2	0	0
Area, ethnic, cultural, gender, and group studies	383	69	283	58	4	21	46	131	15	2	6
Area studies	224	55	151	24	0	12	16	89	6	0	4
Ethnic studies	81	5	72	23	4	7	20	9	6	2	1
Area, ethnic, cultural, gender, and group studies nec	78	9	60	11	0	2	10	33	3	0	1
Economics	1,317	773	467	39	0	82	18	305	10	6	7
Agricultural economics	76	47	26	3	0	2	0	18	0	2	1
Applied economics	134	78	54	1	0	11	3	38	0	0	1
Development economics and international development	54	32	22	3	0	2	5	12	0	0	0
Econometrics and quantitative economics	145	122	20	2	0	5	1	10	0	2	0
Economics, general	802	438	298	28	0	52	6	198	9	1	4
Environmental/natural resource economics	54	23	30	0	0	8	2	18	0	1	1
Economics nec	52	33	17	2	0	2	1	11	1	0	0
Political science and government	581	139	405	22	1	19	24	316	12	5	6

Table 3-3

Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2021

(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						Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Political science and government, general	488	123	333	20	0	17	20	258	8	4	6
Political science and government nec	93	16	72	2	1	2	4	58	4	1	0
Public policy analysis	399	70	316	26	0	26	65	187	9	1	2
Education policy analysis	131	15	115	8	0	10	16	78	2	0	1
Health policy analysis	52	7	45	6	0	4	3	29	3	0	0
Public policy analysis, general	158	40	113	10	0	12	23	63	3	1	1
Public policy nec	58	8	43	2	0	0	23	17	1	0	0
Sociology, demography, and population studies	578	91	469	56	2	36	59	295	12	7	2
Sociology, general	501	74	409	45	2	34	48	263	11	5	1
Sociology, demography, and population studies nec	77	17	60	11	0	2	11	32	1	2	1
Social sciences, other	1,103	293	759	76	5	46	74	526	19	8	5
Applied linguistics	74	32	42	10	0	6	0	26	0	0	0
Archeology	83	12	70	5	0	2	1	61	1	0	0
Criminal justice and corrections	126	10	102	12	1	1	26	58	2	1	1
Criminology	97	7	87	10	0	2	11	60	2	2	0
Geography and cartography	223	82	134	12	2	6	7	99	5	2	1
International relations and national security studies	105	30	71	7	0	8	2	53	1	0	0
Linguistics	203	81	109	9	1	11	3	77	5	2	1
Social sciences nec	192	39	144	11	1	10	24	92	3	1	2
Non-science and engineering	10,894	2,379	7,768	690	34	469	972	5,098	254	93	158
Business	1,340	644	590	28	1	78	112	330	19	6	16
Business administration and management	456	180	219	10	0	24	58	109	10	2	6
Business management and administration	235	107	94	3	0	16	21	46	2	0	6
Organizational leadership	117	18	90	5	0	3	30	45	6	1	0
Business administration and management nec	104	55	35	2	0	5	7	18	2	1	0
Business, other	884	464	371	18	1	54	54	221	9	4	10
Accounting and accounting-related	135	67	64	2	0	13	7	40	2	0	0
Finance and financial management	192	117	62	2	0	12	2	41	2	2	1

Table 3-3**Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2021**

(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						Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Management information systems	88	53	29	1	0	6	8	10	2	1	1
Management sciences	73	38	31	3	0	3	4	14	0	0	7
Marketing	119	69	43	3	0	8	4	27	1	0	0
Organizational behavior studies	103	28	69	3	0	9	13	42	1	1	0
Business nec	174	92	73	4	1	3	16	47	1	0	1
Education	3,711	496	2,962	284	21	159	512	1,810	94	26	56
Education leadership and administration	1,082	64	937	93	8	28	229	514	41	8	16
Educational leadership and administration, general	500	30	425	48	5	11	103	230	13	5	10
Higher education and community college administration	391	17	352	35	3	12	86	188	19	3	6
Education leadership and administration nec	191	17	160	10	0	5	40	96	9	0	0
Education research	1,204	209	924	85	4	60	133	589	21	13	19
Curriculum and instruction	425	66	330	35	1	17	39	220	8	2	8
Educational assessment, evaluation, and research methods	222	63	151	7	1	16	14	100	4	6	3
Educational/instructional technology and media design	155	42	100	4	0	14	19	57	2	2	2
Higher education evaluation and research	61	7	54	6	0	1	6	36	2	2	1
Student counseling and personnel services	267	17	235	28	1	7	44	146	4	1	4
Education research nec	74	14	54	5	1	5	11	30	1	0	1
Teacher education	1,010	181	778	55	6	51	103	520	24	4	15
Adult, continuing, and workforce education and development	66	11	51	1	0	4	14	31	1	0	0
Bilingual, multilingual, and multicultural education	77	19	49	15	3	0	5	23	1	0	2
Mathematics teacher education	75	12	63	3	0	4	8	42	3	2	1
Music teacher education	73	9	63	0	0	1	9	52	0	0	1

Table 3-3**Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2021**

(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						Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Special education and teaching	235	42	183	10	0	15	16	134	7	0	1
STEM educational methods	70	9	60	4	0	3	6	43	2	1	1
Teacher education, science and engineering	68	8	56	4	1	6	7	34	1	1	2
Teacher education, specific levels and methods	154	23	125	10	1	10	21	75	4	0	4
Teacher education, specific subject areas	192	48	128	8	1	8	17	86	5	0	3
Education, other	415	42	323	51	3	20	47	187	8	1	6
Education, general	268	29	194	25	1	13	23	120	6	1	5
Education nec	147	13	129	26	2	7	24	67	2	0	1
Humanities	3,076	547	2,339	224	3	114	111	1,721	80	37	49
English language and literature, letters	933	100	776	46	2	36	38	599	30	7	18
American literature (United States)	113	16	96	4	0	4	2	81	4	1	0
Creative writing	68	6	60	4	0	4	3	44	5	0	0
English language and literature, general	362	38	284	18	0	13	21	208	8	3	13
English literature (British and commonwealth)	131	14	116	5	0	8	3	93	5	1	1
Rhetoric and composition, and writing studies	190	16	164	12	1	5	7	134	3	2	0
English language and literature nec	69	10	56	3	1	2	2	39	5	0	4
Foreign languages, literatures, and linguistics	505	167	305	70	1	19	11	179	12	6	7
Comparative literature	118	46	63	6	0	9	2	41	3	1	1
Hispanic/ Latin American languages, literatures, and linguistics	70	19	48	27	0	1	1	18	1	0	0
Romance languages, literatures, and linguistics	72	19	50	7	0	3	5	35	0	0	0
Spanish language and literature	79	27	47	27	0	0	0	16	1	1	2
Foreign languages, literatures, and linguistics nec	166	56	97	3	1	6	3	69	7	4	4
History	672	117	524	51	0	15	23	403	17	6	9
American history (United States)	209	14	193	11	0	0	7	164	8	0	3

Table 3-3

Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2021

(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						Ethnicity not reported
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European history	88	19	68	3	0	0	2	61	2	0	0
History, general	169	32	110	15	0	7	4	72	3	3	6
History, regional focus	133	44	88	16	0	5	8	56	1	2	0
History nec	73	8	65	6	0	3	2	50	3	1	0
Philosophy and religious studies	592	102	457	35	0	23	21	347	11	11	9
Philosophy	399	73	305	26	0	12	8	235	9	7	8
Religion/ religious studies	126	21	97	8	0	6	13	67	1	2	0
Philosophy and religious studies nec	67	8	55	1	0	5	0	45	1	2	1
Humanities, other	374	61	277	22	0	21	18	193	10	7	6
Bible/ biblical studies	71	9	53	1	0	4	2	41	3	2	0
Humanities and humanistic studies	62	10	44	5	0	5	9	19	5	1	0
Theological and ministerial studies	241	42	180	16	0	12	7	133	2	4	6
Visual and performing arts	771	147	571	43	2	33	17	440	22	5	9
Performing arts	491	89	368	28	1	26	11	282	12	3	5
Dance, drama, theatre arts and stagecraft	82	11	65	7	0	5	3	45	3	1	1
Music performance	128	25	93	7	0	9	3	69	4	1	0
Music theory and composition	86	17	68	4	0	4	1	57	0	1	1
Music nec	79	15	49	1	0	2	0	42	2	0	2
Musicology and ethnomusicology	116	21	93	9	1	6	4	69	3	0	1
Visual arts, media studies/ design	280	58	203	15	1	7	6	158	10	2	4
Art history, criticism and conservation	167	16	141	12	1	5	2	110	8	2	1
Film, cinema, and media studies	62	23	37	3	0	2	3	28	1	0	0
Visual arts, media studies/ design, and arts management nec	51	19	25	0	0	0	1	20	1	0	3
Other non-science and engineering	1,996	545	1,306	111	7	85	220	797	39	19	28
Communications and journalism	520	138	358	23	1	24	40	242	15	3	10
Applied communication, advertising, and public relations	94	30	61	7	0	4	9	36	1	0	4
Communication and media studies	160	39	118	5	0	9	7	87	5	3	2
Communication, general	85	11	66	4	0	4	7	44	4	0	3

Table 3-3**Research doctorate recipients, by detailed field of doctorate, citizenship status, ethnicity, and race: 2021**

(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						Ethnicity not reported
					American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
Mass communication/ media studies	95	34	54	4	1	4	8	35	1	0	1
Communications and journalism nec	86	24	59	3	0	3	9	40	4	0	0
Multidisciplinary/ interdisciplinary studies	331	57	233	22	3	10	33	153	3	4	5
Classical and ancient studies	91	14	71	5	0	2	1	61	0	1	1
Multidisciplinary/ interdisciplinary studies nec	240	43	162	17	3	8	32	92	3	3	4
Public administration and social services	490	98	357	33	3	23	108	170	10	6	4
Public administration	202	61	127	14	1	9	44	55	1	2	1
Social work and human services	288	37	230	19	2	14	64	115	9	4	3
Non-science and engineering, other	655	252	358	33	0	28	39	232	11	6	9
Architecture and architectural studies	134	61	59	4	0	10	1	41	1	1	1
City/ urban, community, and regional planning	101	39	54	9	0	3	7	33	0	2	0
Family, consumer sciences and human sciences	140	37	94	14	0	4	17	51	4	0	4
Homeland security and protective services	50	21	28	2	0	0	3	21	1	0	1
Law, legal studies and research	80	53	20	1	0	3	2	12	2	0	0
Parks, recreation, leisure, fitness, and sport studies and management	87	22	63	2	0	5	5	45	1	2	3
Other non-science and engineering nec	63	19	40	1	0	3	4	29	2	1	0

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

^a Includes respondents who did not report citizenship.**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 the new broad, major, and detailed fields were used in tables reporting only the most recent data year. Therefore, the field of doctorate data in 2021 may not be comparable to prior years; see the "Technical Notes" for more information, table A-4 for a summary of SED-CIP codes in the new SED field taxonomy, table A-5 for a full list of SED-CIP code in the new field taxonomy, and table A-6 for the SED-CIP code crosswalk to the historical field taxonomy.

Source(s):

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