

TABLE A-5

Share of research doctorates, by citizenship status and field of degree: 2022

(Percent)

Directorate	Field of degree	U.S. citizens and permanent residents	Temporary visa holder
Biological Sciences (BIO)	Total	73	27
	Agricultural sciences and natural resources	60	40
	Bioinformatics, biostatistics, and computational biology	63	37
	Biochemistry	69	31
	Neurosciences and neurobiology	81	19
	Cell molecular biology	76	24
	Microbiology	84	16
	Other biological sciences	76	24
Computer and Information Science and Engineering (CISE)	Total	33	67
	Computer engineering	28	72
	Computer science	38	62
	Computer and information sciences	31	69
	Information science and systems	38	62
STEM Education (EDU)	Total	86	14
	Education research	86	14
	Education administration	92	8
	Non-science and math education	84	16
	Science and math education	83	17
	Teacher education	84	16
	Other education	87	13
Engineering (ENG)	Total	43	57
	Electrical engineering	30	70
	Mechanical engineering	45	55
	Bioengineering and biomedical engineering	71	29
	Civil engineering	33	67
	Materials science engineering	50	50
	Chemical engineering	50	50
	Other engineering	42	58
Geosciences (GEO)	Total	64	36
	Earth sciences	62	38
	Atmospheric sciences	64	36
	Environmental science	67	33
	Ocean sciences	72	28
Mathematical and Physical Sciences (MPS)	Total	56	44
	Chemistry	61	39
	Mathematics and statistics	46	54
	Physics and astronomy	61	39
	Materials sciences	48	52
Social, Behavioral and Economic Sciences (SBE)	Total	76	24
	Psychology	91	9
	Economics	38	62
	Political science	72	28
	Sociology	82	18
	Other social sciences	75	25

Note(s):

Excludes respondents who did not report citizenship.

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2022.