

TABLE A-2

**Share of research doctorates, by sex: 2002, 2012, and 2022**

(Percent)

Directorate	2002		2012		2022	
	Male	Female	Male	Female	Male	Female
Biological Sciences (BIO)	57	43	48	52	46	54
Computer and Information Science and Engineering (CISE)	81	19	81	19	78	22
STEM Education (EDU)	34	66	31	69	28	72
Engineering (ENG)	82	18	78	22	73	27
Geosciences (GEO)	69	32	57	43	53	47
Mathematical and Physical Sciences (MPS)	73	27	71	29	68	32
Social, Behavioral and Economic Sciences (SBE)	45	55	42	58	39	61

**Note(s):**

Excludes respondents who did not report sex.

**Source(s):**

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