

TABLE A-1

Research doctorates: 2002, 2012, and 2022

(Number)

Directorate	2002	2012	2022
Biological Sciences (BIO)	6,704	9,558	10,602
Computer and Information Science and Engineering (CISE)	969	2,249	4,676
STEM Education (EDU)	6,459	4,802	4,509
Engineering (ENG)	5,081	8,469	11,340
Geosciences (GEO)	802	1,023	1,231
Mathematical and Physical Sciences (MPS)	4,142	6,341	7,795
Social, Behavioral and Economic Sciences (SBE)	7,594	9,169	9,441

Source(s):

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