

TABLE 32-1

**Unemployment rate among U.S. residing doctoral scientists and engineers, by occupation: 2019**

(Percent and SE)

Occupation	Unemployment rate	
	Percent	SE
All occupations	1.6	0.10
Science occupations	1.5	0.10
Biological, agricultural, and other life scientist	1.9	0.20
Agricultural, food scientist	2.1	0.60
Biochemists, biophysicist	3.1	0.70
Biological scientist	1.8	0.35
Forestry, conservation scientist	S	S
Medical scientist	2.2	0.45
Postsecondary teachers, agricultural, other natural sciences	S	S
Postsecondary teachers, biological sciences	0.7	0.20
Other biological, agricultural, life scientist	2.3	0.60
Computer and information scientist	1.2	0.20
Computer and information scientist	1.3	0.25
Postsecondary teachers, computer science	0.4	0.20
Mathematical scientist	1.5	0.30
Mathematical scientist	1.6	0.40
Postsecondary teachers, mathematics, statistics	1.3	0.45
Physical scientist	1.7	0.20
Chemists, except biochemist	2.4	0.50
Earth, atmospheric, ocean scientist	2.4	0.75
Physicists, astronomers	1.5	0.65
Postsecondary teachers, chemistry	0.9	0.35
Postsecondary teachers, physics	0.4	0.25
Postsecondary teachers, other physical science	S	S
Other physical scientist	S	S
Psychologist	0.6	0.15
Psychologist	0.7	0.20
Postsecondary teachers, psychology	0.5	0.20
Social scientist	1.5	0.25
Economist	1.1	0.45
Political scientist	D	D
Postsecondary teachers, economics	D	D
Postsecondary teachers, political science	D	D
Postsecondary teachers, sociology	1.7	0.75
Postsecondary teachers, other social sciences	1.2	0.40
Sociologist, anthropologist	S	S
Other social scientist	3.3	0.80
Engineering occupations	1.8	0.20
Aerospace, aeronautical, astronautical engineer	1.5	0.65
Chemical engineer	2.9	1.30
Civil, architectural, sanitary engineer	S	S
Electrical engineer	2.3	0.55
Industrial engineers	D	D
Mechanical engineer	1.3	0.55
Postsecondary teacher, engineering	0.7	0.35
Other engineer	2.4	0.45
S&E-related occupations	1.5	0.25
Health occupations, except postsecondary teachers and managers	1.5	0.35
Postsecondary teacher, health and related science	0.6	0.25
S&E managers, including health	1.9	0.50

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S&E precollege teachers	3.4	1.30
S&E technicians/ technologists	2.3	1.00
Other S&E-related occupation	D	D
Non-S&E occupations	2.0	0.20
Arts, humanities-related occupation	3.7	1.00
Management-related occupation	2.5	0.45
Non-S&E managers	1.1	0.25
Non-S&E postsecondary teachers	0.9	0.30
Non-S&E precollege/ other teachers	4.5	1.25
Sales, marketing occupation	2.8	0.85
Social service-related occupation	1.9	0.70
Other non-S&E occupation	3.9	1.15

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering; SE = standard error.

**Note(s):**

Labor force is defined as those employed (E) plus those unemployed and seeking work (U). Unemployment rate (UR) =  $U / (E+U)$ . Unemployed includes individuals who were not working during the survey reference week but had been seeking work in the prior 4 weeks or who were on layoff from their job. Residence location is based on reported living location on 1 February 2019.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.