TABLE 32-1

Unemployment rate among U.S. residing doctoral scientists and engineers, by occupation: 2021

(Percent and SE)

Occupation	Unemployment rate	
	Percent	SE
All occupations	1.9	0.10
Science occupations	1.6	0.15
Biological, agricultural, and other life scientists	1.6	0.20
Agricultural, food scientists	1.8	0.40
Biochemists, biophysicists	1.0	0.35
Biological scientists	1.3	0.35
Forestry, conservation scientists	D	D
Medical scientists	2.3	0.50
Postsecondary teachers, agricultural, other natural sciences	D	D
Postsecondary teachers, biological sciences	1.0	0.30
Other biological, agricultural, life scientists	1.8	0.45
Computer and information scientists	1.8	0.40
Computer and information scientists	2.0	0.50
Postsecondary teachers, computer science	1.2	0.45
Mathematical scientists	1.4	0.30
Mathematical scientists	1.8	0.45
Postsecondary teachers, mathematics, statistics	0.9	0.25
Physical scientists	1.7	0.25
Chemists, except biochemists	3.0	0.65
Earth, atmospheric, ocean scientists	2.0	0.45
Physicists, astronomers	1.4	0.45
Postsecondary teachers, chemistry	1.0	0.40
Postsecondary teachers, physics	S	S
Postsecondary teachers, other physical science	0.7	0.30
Other physical scientists	D	D
Psychologists	1.1	0.20
Psychologists	1.1	0.25
Postsecondary teachers, psychology	1.2	0.35
Social scientists	2.0	0.35
Economists	1.1	0.55
Political scientists	S	S
Postsecondary teachers, economics	1.3	0.55
Postsecondary teachers, political science	2.8	1.35
Postsecondary teachers, sociology	1.5	0.60
Postsecondary teachers, other social sciences	1.6	0.65
Sociologists, anthropologists	5.3	1.60
Other social scientists	1.7	0.55
Engineering occupations	1.7	0.25
Aerospace, aeronautical, astronautical engineers	1.7	0.85
Chemical engineers	2.6	0.85
Civil, architectural, sanitary engineers	S	S
Electrical engineers	0.8	0.25
Industrial engineers	D	D
Mechanical engineers	2.7	0.90
Postsecondary teacher, engineering	0.8	0.35
Other engineers	2.7	0.45
S&E-related occupations	2.0	0.25
Health occupations, except postsecondary teachers and managers	2.4	0.45
Postsecondary teacher, health and related science	1.6	0.45
S&E managers, including health	1.4	0.40

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Unemployment rate among U.S. residing doctoral scientists and engineers, by occupation: 2021

(Percent and SE)

Occupation	Unemployment rate	
	Percent	SE
S&E precollege teachers	4.3	1.50
S&E technicians/ technologists	1.9	0.70
Other S&E-related occupations	D	D
Non-S&E occupations	2.8	0.30
Arts, humanities-related occupations	3.9	1.05
Management-related occupations	3.2	0.60
Non-S&E managers	1.1	0.30
Non-S&E postsecondary teachers	1.7	0.45
Non-S&E precollege/ other teachers	9.7	2.35
Sales, marketing occupations	4.0	1.05
Social service-related occupations	2.8	0.80
Other non-S&E occupations	7.7	1.30

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):
Percentage rounded to the nearest 0.1%, standard error of the unrounded percentage (based on unrounded counts), rounded up to the nearest multiple of 0.05%. 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. Individuals who reported never having worked but who were still in the labor force during the reference week are included in overall (All occupations) rate calculation but are excluded from computing the rates by occupation. Residence location is based on reported living location on 1 February 2021.

Source(s):
National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2021.