

Table HED-4

S&E-related degrees awarded, by degree level and field: 2012 and 2021

(Number and percent change)

Degree level and field	2012	2021	Percent change
Certificates			
Health professions and related programs	413,354	266,333	-35.6
Homeland security and fire protection	9,046	9,511	5.1
Science and mathematics teacher education	33	81	145.5
Technology and technical fields	35,920	35,918	*
Other S&E-related fields	152,876	162,891	6.6
Associate's degrees			
Health professions and related programs	217,779	187,273	-14.0
Homeland security and fire protection	5,172	4,636	-10.4
Science and mathematics teacher education	80	56	-30.0
Technology and technical fields	39,651	24,753	-37.6
Other S&E-related fields	33,737	36,287	7.6
Bachelor's degrees			
Health professions and related programs	182,585	299,237	63.9
Homeland security and fire protection	2,901	5,298	82.6
Science and mathematics teacher education	5,039	3,455	-31.4
Technology and technical fields	19,593	22,569	15.2
Other S&E-related fields	3,433	3,361	-2.1
Master's degrees			
Health professions and related programs	86,248	146,478	69.8
Homeland security and fire protection	1,414	3,084	118.1
Science and mathematics teacher education	4,492	3,702	-17.6
Technology and technical fields	5,000	7,204	44.1
Other S&E-related fields	1,610	181	-88.8
Doctoral degrees			
Health professions and related programs	175	172	-1.7
Homeland security and fire protection	1	35	3,400.0
Science and mathematics teacher education	177	111	-37.3
Technology and technical fields	90	149	65.6
Other S&E-related fields	1	2	100.0

* = value < 0.05%.

Note(s):

Data are based on institutions eligible to participate in Title IV federal financial aid programs. Certificates include only awards of less than 2 academic years below the associate's degree level. Doctoral degree programs include research doctoral degree programs only and do not include professional doctoral programs (e.g., Doctor of Medicine).

Source(s):

National Center for Science and Engineering Statistics, special tabulations (2022) of the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey, provisional release data.

Science and Engineering Indicators