TABLE A-2

Occupations used in the NSCG data tables

(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
1	S&E occupations	1	Computer and mathematical scientists	11	Computer and information scientists	110510	Computer and information scientists, research
						110520	Computer network architect
						110540	Computer support specialists
						110550	Computer system analysts
						110560	Database administrators
						110570	Information security analysts
						110580	Network and computer systems administrators
						110590	Software developers -- applications and systems software
						110600	Web developers
						110610	Other computer and information science occupations
						110880	Computer engineers, software
				12	Mathematical scientists	121720	Mathematicians
						121730	Operations research analysts, including modeling
						121740	Statisticians
						121760	Other mathematical scientists
				18	Postsecondary teachers - computer and math sciences	182760	Postsecondary teachers - Computer sciences
						182860	Postsecondary teachers - Mathematics and statistics
		2	Biological, agricultural, and other life scientists	21	Agricultural and food scientists	210210	Agricultural and food scientists
				22	Biological and medical scientists	220220	Biochemists and biophysicists
						220230	Biological scientists
						220250	Forestry and conservation scientists
						220270	Medical scientists (excluding practitioners)
				23	Environmental life scientists	230240	Forestry and conservation scientists
				28	Postsecondary teachers - life and related sciences	282710	Postsecondary teachers - Agriculture
						282730	Postsecondary teachers - Biological sciences
						282970	Postsecondary teachers - Other natural sciences
		3	Physical and related scientists	31	Chemists, except biochemists	311930	Chemists, except biochemists
				32	Earth, atmospheric, and ocean scientists[a]	321920	Atmospheric and space scientists
						321940	Geologists, including earth scientists and oceanographers[b]
				33	Physicists[c]	331960	Physicists, except biophysicists
				34	Other physical and related scientists, including astronomers[a]	341980	Other physical scientists, including astronomers[d]
				38	Postsecondary teachers - physical and related sciences	382750	Postsecondary teachers - Chemistry
						382770	Postsecondary teachers - Earth, environmental, and marine sciences
						382890	Postsecondary teachers - Physics
		4	Social and related scientists	41	Economists	412320	Economists
				42	Political scientists	422350	Political scientists
				43	Psychologists	432360	Psychologists, including clinical

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(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
				44	Anthropologists[e]	442310	Anthropologists
				45	Other social and related scientists	452380	Other social scientists, including sociologists[f]
				48	Postsecondary teachers - social and related sciences	482780	Postsecondary teachers - Economics
						482900	Postsecondary teachers - Political science
						482910	Postsecondary teachers - Psychology
						482930	Postsecondary teachers - Sociology
						482980	Postsecondary teachers - Other social sciences
		5	Engineers	51	Aerospace, aeronautical, and astronautical engineers	510820	Aeronautical, aerospace, and astronautical engineers
				52	Chemical engineers	520850	Chemical engineers
				53	Civil, architectural, and sanitary engineers	530860	Civil engineers, including architectural and sanitary
				54	Electrical and computer hardware engineers	540870	Computer engineers, hardware
						540890	Electrical and electronics engineers
				55	Industrial engineers	550910	Industrial engineers
				56	Mechanical engineers	560940	Mechanical engineers
				57	Other engineers	570840	Bioengineers or biomedical engineers
						570900	Environmental engineers
						570920	Marine engineers and naval architects
						570930	Materials and metallurgical engineers
						570960	Nuclear engineers
						570970	Petroleum engineers
						570980	Sales engineers
						570990	Other engineers, including agricultural, mining, and geological[g]
				58	Postsecondary teachers - engineering	582800	Postsecondary teachers - Engineering
2	S&E-related occupations	6	S&E-related occupations	61	Health-related occupations	611110	Diagnosing and treating practitioners
						611120	Registered nurses, pharmacists, dieticians, therapists, physician assistants, nurse practitioners
						611130	Health technologists and technicians
						611140	Other health occupations
						612870	Postsecondary teachers - health and related sciences
				62	S&E managers	621420	Computer and information systems managers
						621430	Engineering managers
						621440	Medical and health services managers
						621450	Natural sciences managers
				63	S&E pre-college teachers	632530	Teachers: Secondary - computer, math, or sciences
						632540	Teachers: Secondary - social sciences
				64	S&E technicians and technologists	640260	Technologists and technicians, biological and life sciences
						640530	Computer programmers, business, scientific, and process control
						641000	Electrical, electronic, industrial, and mechanical technicians

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(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
						641010	Drafting occupations, including computer drafting
						641020	Surveying and mapping technicians
						641030	Other engineers, technologists, and technicians
						641040	Surveyors, cartographers, and photogrammetrists
						641970	Technologists and technicians in the mathematical or physical sciences[h]
				65	Other S&E-related occupations	650810	Architects
						651710	Actuaries
3	Non-S&E occupations	7	Non-S&E occupations	71	Non-S&E managers	711410	Top-level managers, executives, and administrators
						711460	Education administrators
						711470	Other mid-level managers
				72	Management-related occupations	721510	Accountants, auditors, and other financial specialists
						721520	Personnel, training, and labor relations specialists
						721530	Other management-related occupations
				73	Non-S&E precollege teachers	732510	Teachers: Pre-kindergarten and kindergarten
						732520	Teachers: Elementary
						732550	Teachers: Secondary - other subjects
						732560	Teachers: Special education - primary and secondary
						732570	Teachers: Other precollegiate area
				74	Non-S&E postsecondary teachers	742720	Postsecondary teachers - Art, drama, and music
						742740	Postsecondary teachers - Business commerce and marketing
						742790	Postsecondary teachers - Education
						742810	Postsecondary teachers - English
						742820	Postsecondary teachers - Foreign language
						742830	Postsecondary teachers - History
						742880	Postsecondary teachers - Physical education
						742990	Postsecondary teachers - Other postsecondary fields
				75	Social services and related occupations	750400	Clergy and other religious workers
						750700	Counselors, educational, vocational, mental health, and substance abuse
						752400	Social workers
				76	Sales and marketing occupations	762000	Insurance, securities, real estate, and business services
						762010	Sales occupations, commodities, except retail
						762020	Sales occupations, retail
						762030	Other marketing and sales occupations
				77	Art, humanities, and related occupations	770100	Writers, editors, public relations specialists, artists, entertainers, and broadcasters

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(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
						772330	Historians
				78	Other non-S&E occupations	780310	Accounting clerks, and bookkeepers
						780320	Secretaries, receptionists, and typists
						780330	Other administrative occupations
						781100	Farmers, foresters, and fishermen
						781200	Lawyers and judges
						781300	Librarians, archivists, and curators
						782210	Food preparation and service occupations
						782220	Protective services
						782230	Other service occupations, except health
						783000	Other teachers and instructors
						784010	Construction and extraction occupations
						784020	Installation, maintenance, and repair occupations
						784030	Precision/ production occupations
						784050	Transportation and material moving occupations
						785000	Other occupations

S&E = science and engineering; NSCG = National Survey of College Graduates.

[a] This label was revised in 2019.

[b] "Oceanographers" were merged with "Geologists, including earth scientists" to form "Geologists, including earth scientists and oceanographers" (321940).

[c] "Astronomers" were separated from "Physicists and astronomers" to form "Physicists" (33).

[d] "Astronomers" were merged with "Other physical scientists" to form "Other physical scientists, including astronomers" (341980).

[e] "Sociologists" were separated from "Sociologists and anthropologists" to form "Anthropologists" (44).

[f] "Sociologists" were merged with "Other social scientists" to form "Other social scientists, including sociologists" (452380).

[g] "Agricultural engineers" and "Mining and geological engineers" were merged with "Other engineers" to form "Other engineers, including agricultural, mining, and geological" (570990).

[h] "Technologists and technicians in the mathematical sciences" were merged with "Technologists and technicians in the physical sciences" to form "Technologists and technicians in the mathematical or physical sciences" (641970).

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