

TABLE A-2

Occupations used in the NSCG data tables

(Crosswalk)

Broad occupation category (N20CPRBG, N20CBLST)		Major occupational code and label (N20CPRMG, N20CMLST)		Minor occupational code and label (N30CPRNG, N30CNLST)		Detailed occupational code and label (N30CPR, N30CLST)			
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
						282730	Postsecondary teachers - Biological sciences		
						282970	Postsecondary teachers - Other natural sciences		
						3	Physical and related scientists	31	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								

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Code	Label	Code	Label	Code	Label	Code	Label
		4	Social and related scientists	41	Economists	412320	Economists
				42	Political scientists	422350	Political scientists
				43	Psychologists	432360	Psychologists, including clinical
				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 precollege teachers	632530	Teachers: Secondary - computer, math, or sciences		

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Code	Label	Code	Label	Code	Label	Code	Label				
3	Non-S&E occupations	7	Non-S&E occupations	64	S&E technicians and technologists	632540	Teachers: Secondary - social sciences				
						640260	Technologists and technicians, biological and life sciences				
						640530	Computer programmers, business, scientific, and process control				
						641000	Electrical, electronic, industrial, and mechanical technicians				
						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								

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Code	Label	Code	Label	Code	Label	Code	Label
						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
						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: 2019.