

TABLE A-2

## Occupations used in the 2023 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 research scientists		
						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		
				12	Mathematical scientists	121720	Mathematicians		
						121730	Operations research analysts		
						121740	Statisticians		
						121760	Other mathematical scientists		
						121770	Data scientists		
		18	Postsecondary teachers - computer and math sciences	182760	Postsecondary teachers - Computer sciences				
				182860	Postsecondary teachers - Mathematical sciences				
		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	Medical scientists (excluding practitioners)
								220270	Other life scientists
				23	Environmental life scientists			230240	Conservation scientists and foresters
						28	Postsecondary teachers - life and related sciences	282710	Postsecondary teachers - Agriculture
				282730	Postsecondary teachers - Biological sciences				
				282970	Postsecondary teachers - Other life and physical sciences				
				3	Physical and related scientists	31	Chemists, except biochemists	311930	Chemists, except biochemists
		32	Earth, atmospheric, and ocean scientists					321920	Atmospheric and space scientists
						321940	Environmental scientists and specialists		
						321950	Geoscientists, including hydrologists and oceanographers		
		33	Physicists			331960	Physicists, except biophysicists		
		34	Other physical and related scientists, including astronomers			341980	Other physical scientists, including astronomers <sup>a</sup>		
		38	Postsecondary teachers - physical and related sciences			382750	Postsecondary teachers - Chemistry		
382770	Postsecondary teachers - Atmospheric, earth, environmental, marine, and space sciences								
382890	Postsecondary teachers - Physics								

TABLE A-2

## Occupations used in the 2023 NSCG data tables

(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation			
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 - research and applied (e.g., industrial-organizational, experimental)		
				44	Anthropologists	442310	Anthropologists and archeologists		
				44	Sociologists	442370	Sociologists		
				45	Other social and related scientists	452380	Other social scientists		
				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, including health and safety		
				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 engineers								
570950	Mining and geological engineers, including mining safety engineers								
570960	Nuclear engineers								
570970	Petroleum engineers								
570980	Sales engineers								
570990	Other engineers, including agricultural <sup>b</sup>								
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		
						611150	Psychologists - Health Services (e.g., clinical, counseling, school psychologists)		
						612870	Postsecondary teachers - Health		
						621420	Computer and information systems managers		
						62	S&E managers		

**TABLE A-2**  
**Occupations used in the 2023 NSCG data tables**  
 (Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
						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
						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
						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 physical sciences
				65	Other S&E-related occupations	650810	Architects, except naval
						651710	Actuaries
3	Non-S&E occupations	7	Non-S&E occupations	71	Non-S&E managers	711410	Top-executives (e.g., chief executives, general and operations managers, legislators)
						711460	Education and childcare administrators
						711470	Other mid-level managers
				72	Management-related occupations	721510	Financial specialists (e.g., accountants, auditors)
						721520	Personnel, training, and labor relations specialists
						721530	Other management-related occupations
				73	Non-S&E precollege teachers	732510	Teachers: Preschool and kindergarten teachers
						732520	Teachers: Elementary and middle school teachers
						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
						742790	Postsecondary teachers - Education
						742810	Postsecondary teachers - English language and literature
						742820	Postsecondary teachers - Foreign language and literature
						742830	Postsecondary teachers - History
						742880	Postsecondary teachers - Recreation and fitness studies
						742990	Postsecondary teachers - Other postsecondary fields
				75	Social services and related occupations	750400	Clergy and other religious workers

**TABLE A-2**  
**Occupations used in the 2023 NSCG data tables**

(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
						750700	Counselors, educational, vocational, mental health, and substance abuse
						752400	Social workers
						752410	Miscellaneous community and social service specialists
				76	Sales and marketing occupations	762000	Sales representatives: services
						762010	Sales representatives: wholesale and manufacturing
						762020	Retail sales workers
						762030	Other marketing and sales occupations
				77	Art, humanities, and related occupations	770100	Writers, editors, public relations specialists, artists, entertainers, and broadcasters, and historians <sup>c</sup>
				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
						781250	Legal support workers (e.g., paralegals, legal assistants)
						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.

<sup>a</sup> In 2023, "Astronomers" were merged with "Other physical scientists" to form "Other physical scientists, including astronomers" (341980).

<sup>b</sup> In 2023, "Agricultural engineers" were merged with "Other engineers" to form "Other engineers, including agricultural" (570990).

<sup>c</sup> In 2023, "Historians" were merged with "Writers, editors, public relations specialists, artists, entertainers, and broadcasters" to form "Writers, editors, public relations specialists, artists, entertainers, and broadcasters, and historians" (770100).

**Source(s):**  
 National Center for Science and Engineering Statistics, National Survey of College Graduates, 2023.