

TECHNICAL TABLE A-1

Crosswalk of occupations used in the National Survey of College Graduates

(Occupations and survey codes)

Labor force status	S&E, S&E-related, non-S&E	Science, engineering, S&E-related, non-S&E	Broad occupation (major fields)	Occupation (minor fields)	Detailed occupation
1: Employed	101: S&E occupations	101: Science occupations	101: Biological/ life scientists	101: Agricultural/ food scientists	210210: Agricultural and food scientists
				102: Biological/ life scientists	220220: Biochemists and biophysicists
					220230: Biological scientists (e.g., botanists, ecologists, zoologists)
					220250: Medical scientists (excluding practitioners)
				220270: Other biological and life scientists	
			103: Forestry and conservation scientists	230240: Forestry and conservation scientists	
			104: Postsecondary teachers	282710: Postsecondary teachers: Agriculture	
				282730: Postsecondary teachers: Biological sciences	
				282970: Postsecondary teachers: Other natural sciences	
			102.1: Computer and information scientists	105: Computer and information scientists	110510: Computer and information scientists, research
					110520: Computer network architects
					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 information science occupations
			102.2: Mathematical scientists	106: Mathematical scientists	107.1: Postsecondary teachers
					182760: Postsecondary teachers: Computer science
				121720: Mathematicians	
				121730: Operations research analysts, including modeling	
			107.2: Postsecondary teachers	121740: Statisticians	
			121760: Other mathematical scientists		
			182860: Postsecondary teachers: Mathematics and statistics		
103: Physical scientists	108: Chemists, except biochemists	311930: Chemists, except biochemists			
	109: Earth scientists/ geologists/ oceanographers	321920: Atmospheric and space scientists			
		321940: Geologists, including earth scientists			
	110: Physicists/ astronomers	321950: Oceanographers			
331910: Astronomers					
331960: Physicists, except biophysicists					

TECHNICAL TABLE A-1

Crosswalk of occupations used in the National Survey of College Graduates

(Occupations and survey codes)

Labor force status	S&E, S&E-related, non-S&E	Science, engineering, S&E-related, non-S&E	Broad occupation (major fields)	Occupation (minor fields)	Detailed occupation		
				111: Other physical scientists	341980: Other physical scientists		
				112: Postsecondary teachers	382750: Postsecondary teachers: Chemistry		
					382770: Postsecondary teachers: Earth, environmental, and marine science		
					382890: Postsecondary teachers: Physics		
					432360: Psychologists, including clinical		
			104.1: Psychologists	115: Psychologists	482910: Postsecondary teachers: Psychology		
				118: Postsecondary teachers			
			104.2: Social scientists	113: Economists	412320: Economists		
					114: Political scientists	422350: Political scientists	
					116: Sociologists/ anthropologists	442310: Anthropologists	
					117: Other social scientists	442370: Sociologists	
						452380: Other social scientists	
					118: Postsecondary teachers	482780: Postsecondary teachers: Economics	
						482900: Postsecondary teachers: Political science	
						482930: Postsecondary teachers: Sociology	
					482980: Postsecondary teachers: Other social sciences		
		102: Engineering occupations	105: Engineering occupations	119: Aerospace engineers	510820: Aeronautical/ aerospace/ astronautical engineers		
						120: Chemical engineers	520850: Chemical engineers
						121: Civil engineers	530860: Civil, including architectural/ sanitary engineers
						122: Electrical engineers	540870: Computer engineers - hardware
							540890: Electrical and electronics engineers
						123: Industrial engineers	550910: Industrial engineers
						124: Mechanical engineers	560940: Mechanical engineers
							570830: Agricultural engineers
							570840: Bioengineers or biomedical engineers
							570900: Environmental engineers
							570920: Marine engineers and naval architects
							570930: Materials and metallurgical engineers
							570950: Mining and geological engineers
							570960: Nuclear engineers
					570970: Petroleum engineers		
					570980: Sales engineers		
					570990: Other engineers		
				126: Postsecondary teachers	582800: Postsecondary teachers: Engineering		

TECHNICAL TABLE A-1

Crosswalk of occupations used in the National Survey of College Graduates

(Occupations and survey codes)

Labor force status	S&E, S&E-related, non-S&E	Science, engineering, S&E-related, non-S&E	Broad occupation (major fields)	Occupation (minor fields)	Detailed occupation
	102: S&E-related occupations	103: S&E-related occupations	106: Health occupations	127: Health occupations	611110: Diagnosing or treating practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)
					611120: Registered nurses, pharmacists, dieticians, therapists, physician assistants, nurse practitioners
					611130: Health technologists and technicians (e.g., dental hygienists, health record technologists/technicians, licensed practical nurses, medical or laboratory technicians, radiological technicians)
					611140: Other health occupations
			107: S&E managers, including health	128: S&E managers	612870: Postsecondary teachers: Health and related sciences
					621420: Computer and information systems managers
					621430: Engineering managers
					621440: Medical and health services managers
			108: S&E pre-college teachers	129: S&E precollege teachers	621450: Natural sciences managers
					632530: Teachers: Secondary - computer, mathematics, or sciences
			109: S&E technicians/technologists	130: S&E technicians/technologists	632540: Teachers: Secondary - social sciences
					640260: Technologists and technicians in the biological/ life sciences
	640530: Computer programmers (business, scientific, process control)				
	641000: Electrical, electronic, industrial, and mechanical technicians				
	641010: Drafting occupations, including computer drafting				
	641020: Surveying and mapping technicians				
	641030: Other engineering technologists and technicians				
	641040: Surveyors, cartographers, photogrammetrists				
	110: Other S&E-related occupations	131: Other S&E-related occupations	641750: Technologists and technicians in the mathematical sciences		
			641970: Technologists and technicians in the physical sciences		
	103: Non-S&E occupations	104: Non-S&E occupations	111: Non-S&E occupations	132: Arts, humanities, and related occupations	650810: Architects
651710: Actuaries					
770100: Writers, editors, public relations specialists, artists, entertainers, broadcasters					
133: Management-related occupations			134: Non-S&E managers	772330: Historians	
				721510: Accountants, auditors, and other financial specialists	
134: Non-S&E managers			134: Non-S&E managers	721520: Personnel, training, and labor relations specialists	
				721530: Other management related occupations	
				711410: Top-level managers, executives, administrators (e.g., CEO/COO/CFO, president, district manager, general manager, legislator, chancellor, provost)	
				711460: Education administrators (e.g. registrar, dean, principal)	

TECHNICAL TABLE A-1

Crosswalk of occupations used in the National Survey of College Graduates

(Occupations and survey codes)

Labor force status	S&E, S&E-related, non-S&E	Science, engineering, S&E-related, non-S&E	Broad occupation (major fields)	Occupation (minor fields)	Detailed occupation
					711470: Other mid-level managers
				135: 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
				136: Non-S&E precollege teachers	732510: Teachers: Prekindergarten and kindergarten
					732520: Teachers: Elementary
					732550: Teachers: Secondary - other subjects
					732560: Teachers: Special education - primary and secondary
				137: Sales and marketing occupations	732570: Teachers: Other precollegiate area
					762000: Insurance, securities, real estate and business services
					762010: Sales - Commodities except retail (e.g., industrial, medical, or dental machinery, equipment, supplies)
					762020: Sales - retail (e.g., furnishings, clothing, motor vehicles, cosmetics)
				138: Social service and related occupations	762030: Other marketing and sales occupations
					750400: Clergy and other religious workers
					750700: Counselors (educational, vocational, mental health, and substance abuse)
				139: Other non-S&E occupations	752400: Social workers
					780310: Accounting clerks and bookkeepers
					780320: Secretaries, receptionists, typists
					780330: Other administrative (e.g. record clerks, telephone operators)
					781100: Farmers, foresters and fishermen
					781200: Lawyers, judges
					781300: Librarians, archivists, curators
					782210: Food preparation and service (e.g., cooks, waitresses, bartenders)
					782220: Protective services (e.g., fire fighters, police, guards, wardens, park rangers)
				782230: Other service occupations, except health (probation officers, human services work)	

TECHNICAL TABLE A-1

**Crosswalk of occupations used in the National Survey of College Graduates**

(Occupations and survey codes)

Labor force status	S&E, S&E-related, non-S&E	Science, engineering, S&E-related, non-S&E	Broad occupation (major fields)	Occupation (minor fields)	Detailed occupation
					783000: Other teachers and instructors (e.g., private tutors, dance, flying, martial arts)
					784010: Construction and extraction occupations
					784020: Installation, maintenance, and repair occupations
					784030: Precision and production occupations (e.g., metal workers, woodworkers, butchers, bakers, assemblers, printing occupations, tailors, shoemakers, photographic process)
					784050: Transportation and material moving occupations
					785000: Other occupations
2: Unemployed	104: Unemployed	999	999	999	999989: Logical skip
3: Not In Labor Force	105: Not In Labor Force	999	999	999	999989: Logical skip

**Source(s)**

National Center for Science and Engineering Statistics, National Science Foundation, National Survey of College Graduates.