
**NLSY79 ATTACHMENT 3:
1970 & 1980 CENSUS INDUSTRIAL & OCCUPATIONAL
CLASSIFICATION CODES AND
1977 DEPARTMENT OF DEFENSE
ENLISTED OCCUPATIONAL CODES**

ATTACHMENT 3: INDUSTRY AND OCCUPATION CODES

This attachment contains the following three sets of coding schemes:

1970 Census 3-Digit Industry and Occupation Codes.

All occupations and industries (except military occupational specialties) are coded with 1970 codes. This is the **main** set of codes.

1980 Census 3-Digit Industry and Occupation Codes.

Beginning with the **1982** survey the respondent's current or last job is coded with the 1980 codes in addition to the 1970 codes.

1977 Department of Defense 3-Digit Enlisted Occupational Classification System.

All military occupational specialties collected in the military section are coded with this scheme.

1970 CENSUS OF POPULATION: INDUSTRIAL CLASSIFICATION SYSTEM

("n.e.c." means "not elsewhere classified")

1970 code	Industry
AGRICULTURE, FORESTRY, AND FISHERIES	
017	Agricultural production
018	Agricultural services, except horticultural
019	Horticultural services
027	Forestry
028	Fisheries
MINING	
047	Metal mining
048	Coal mining
049	Crude petroleum and natural gas extractions
057	Nonmetallic mining and quarrying, except fuel
CONSTRUCTION	
067	General building contractors
068	General contractors, except building
069	Special trade contractors
077	Not specified construction
MANUFACTURING	
Durable goods	
<i>Lumber and wood products, except furniture</i>	
107	Logging
108	Sawmills, planing mills, and mill work
109	Miscellaneous wood products
118	Furniture and fixtures
<i>Stone, Clay, and glass products</i>	
119	Glass and glass products
127	Cement, Concrete, gypsum, and plaster products
128	Structural clay products
137	Pottery and related products
138	Miscellaneous nonmetallic mineral and stone products
<i>Metal industries</i>	
139	Blast furnaces, steel works, rolling and finishing mills
147	Other primary iron and steel industries
148	Primary aluminum industries
149	Other primary nonferrous industries
157	Cutlery, hand tools, and other hardware
158	Fabricated structural metal products
159	Screw machine products
167	Metal stamping
168	Miscellaneous fabricated metal products

1970 code	Industry
169	Not specified metal industries
	<i>Machinery, except electrical</i>
177	Engines and turbines
178	Farm machinery and equipment
179	Construction and material handling machines
187	Metalworking machinery
188	Office and accounting machines
189	Electronic computing equipment
197	Machinery, except electrical, n.e.c.
198	Not specified machinery
	<i>Electrical machinery, equipment and supplies</i>
199	Household appliances
207	Radio, T.V., and communication equipment
208	Electrical machinery, equipment, and supplies, n.e.c.
209	Not specified electrical machinery, equipment, and supplies
	<i>Transportation equipment</i>
219	Motor vehicles and motor vehicle equipment
227	Aircraft and parts
228	Ship and boat building and repairing
229	Railroad locomotives and equipment
237	Mobile dwellings and campers
238	Cycles and miscellaneous transportation equipment
	<i>Professional and photographic equipment and watches</i>
239	Scientific and controlling instruments
247	Optical and health services supplies
248	Photographic equipment and supplies
249	Watches, clocks, and clockwork-operated devices
257	Not specified professional equipment
258	Ordnance
259	Miscellaneous manufacturing industries
	Nondurable goods
	<i>Food and kindred products</i>
268	Meat products
269	Dairy products
278	Canning and preserving fruits, vegetables, and sea foods
279	Grain-mill products
287	Bakery products
288	Confectionery and related products
289	Beverage industries
297	Miscellaneous food preparation and kindred products
298	Not specified food industries
299	Tobacco manufactures
	<i>Textile mill products</i>
307	Knitting mills

Attachment 3: 1970 Census Industrial Classification System

1970 code	Industry
308	Dyeing and finishing textiles, except wool and knit goods
309	Floor coverings, except hard surface
317	Yarn, thread, and fabric mills
318	Miscellaneous textile mill products
	<i>Apparel and other fabricated textile products</i>
319	Apparel and accessories
327	Miscellaneous fabricated textile products
	<i>Paper and allied products</i>
328	Pulp, paper, and paperboard mills
329	Miscellaneous paper and pulp products
337	Paperboard containers and boxes
	<i>Printing, publishing, and allied industries</i>
338	Newspaper publishing and printing
339	Printing, publishing, and allied industries, except newspapers
	<i>Chemicals and allied products</i>
347	Industrial chemicals
348	Plastics, synthetics and resins, except fibers
349	Synthetic fibers
357	Drugs and medicines
358	Soaps and cosmetics
359	Paints, varnishes, and related product
367	Agricultural chemicals
368	Miscellaneous chemicals
369	Not specified chemicals and allied products
	<i>Petroleum and coal products</i>
377	Petroleum refining
378	Miscellaneous petroleum and coal products
	<i>Rubber and miscellaneous plastic products</i>
379	Rubber products
387	Miscellaneous plastic products
	<i>Leather and leather products</i>
388	Tanned, curried, and finished leather
389	Footwear, except rubber
397	Leather products, except footwear
398	Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

Transportation	
407	Railroads and railway express service
408	Street railways and bus lines
409	Taxicab service
417	Trucking service
418	Warehousing and storage

1970 code	Industry
419	Water transportation
427	Air transportation
428	Pipe lines, except natural gas
429	Services incidental to transportation
	Communications
447	Radio broadcasting and television
448	Telephone (wire and radio)
449	Telegraph and miscellaneous communication services
	Utilities and sanitary services
467	Electric light and power
468	Electric-gas utilities
469	Gas and steam supply systems
477	Water supply
478	Sanitary services
479	Other and not specified utilities

WHOLESALE AND RETAIL TRADE

	Wholesale trade
507	Motor vehicles and equipment
508	Drugs, chemicals, and allied products
509	Dry goods and apparel
527	Food and related products
528	Farm products--raw materials
529	Electrical goods
537	Hardware, plumbing, and heating supply
538	Not specified electrical and hardware products
539	Machinery equipment and supplies
557	Metals and minerals, n.e.c.
558	Petroleum products
559	Scrap and waste materials
567	Alcoholic beverages
568	Paper and its products
569	Lumber and construction materials
587	Wholesalers, n.e.c.
588	Not specified wholesale trade
	Retail trade
607	Lumber and building material retailing
608	Hardware and farm equipment stores
609	Department and mail order establishments
617	Limited price variety stores
618	Vending machine operators
619	Direct selling establishments
627	Miscellaneous general merchandise stores
628	Grocery stores
629	Dairy products stores
637	Retail bakeries
638	Food stores, n.e.c.

1970 code	Industry
639	Motor vehicle dealers
647	Tire, battery, and accessory dealers
648	Gasoline service stations
649	Miscellaneous vehicle dealers
657	Apparel and accessories stores, except shoe stores
658	Shoe stores
667	Furniture and home furnishings stores
668	Household appliances, T.V., and radio stores
669	Eating and drinking places
677	Drug stores
678	Liquor stores
679	Farm and garden supply stores
687	Jewelry stores
688	Fuel and ice dealers
689	Retail florists
697	Miscellaneous retail stores
698	Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

707	Banking
708	Credit agencies
709	Security, commodity brokerage, and investment companies
717	Insurance
718	Real estate, incl. real estate-insurance-law offices

BUSINESS AND REPAIR SERVICES

727	Advertising
728	Services to dwellings and other buildings
729	Commercial research, development, and testing labs
737	Employment and temporary help agencies
738	Business management and consulting services
739	Computer programming services
747	Detective and protective services
748	Business services, n.e.c.
749	Automobile services, except repair
757	Automobile repair and related services
758	Electrical repair shops
759	Miscellaneous repair services

PERSONAL SERVICES

769	Private households
777	Hotels and motels
778	Lodging places, except hotels and motels
779	Laundering, cleaning, and other garment services
787	Beauty shops
788	Barber shops
789	Shoe repair shops
797	Dressmaking shops

1970 code	Industry
798	Miscellaneous personal services
ENTERTAINMENT AND RECREATION SERVICES	
807	Theaters and motion pictures
808	Bowling alleys, billiard and pool parlors
809	Miscellaneous entertainment and recreation services
PROFESSIONAL AND RELATED SERVICES	
828	Offices of physicians
829	Offices of dentists
837	Offices of chiropractors
838	Hospitals
839	Convalescent institutions
847	Offices of health practitioners, n.e.c.
848	Health services, n.e.c
849	Legal services
857	Elementary and secondary schools
858	Colleges and universities
859	Libraries
867	Educational services, n.e.c.
868	Not specified educational services
869	Museums, art galleries, and zoos
877	Religious organizations
878	Welfare services
879	Residential welfare services
887	Nonprofit membership organizations
888	Engineering and architectural services
889	Accounting, auditing, and bookkeeping services
897	Miscellaneous professional and related services
PUBLIC ADMINISTRATION	
907	Postal service
917	Federal public administration
927	State public administration
937	Local public administration

1970 CENSUS OF POPULATION: OCCUPATIONAL CLASSIFICATION SYSTEM

("n.e.c." means "not elsewhere classified")

1970 code	Duncan SEI score	Occupation
PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS		
001	77	Accountants
002	85	Architects
Computer specialists		
003	65	Computer programmers
004	65	Computer systems analysts
005	65	Computer specialists, n.e.c.
Engineers		
006	87	Aeronautical and astronautical engineers
010	90	Chemical engineers
011	84	Civil engineers
012	84	Electrical and electronic engineers
013	86	Industrial engineers
014	80	Mechanical engineers
015	83	Metallurgical and materials engineers
020	85	Mining engineers
021	81	Petroleum engineers
022	87	Sales engineers
023	87	Engineers, n.e.c.
024	83	Farm management advisors
025	48	Foresters and conservationists
026	83	Home management advisors
Lawyers and judges		
030	93	Judges
031	92	Lawyers
Librarians, archivists, and curators		
032	60	Librarians
033	75	Archivists and curators
Mathematical specialists		
034	81	Actuaries
035	80	Mathematicians
036	81	Statisticians
Life and physical scientists		
042	80	Agricultural scientists
043	62	Atmospheric and space scientists
044	80	Biological scientists
045	79	Chemists
051	80	Geologists
052	80	Marine scientists

Attachment 3: 1970 Census Occupational Classification System

1970 code	Duncan SEI score	Occupation
053	80	Physicists and astronomers
054	77	Life and physical scientists, n.e.c.
055	66	Operations and systems researchers and analysts
056	84	Personnel and labor relations workers
Physicians, dentists and related practitioners		
061	75	Chiropractors
062	96	Dentists
063	79	Optometrists
064	81	Pharmacists
065	92	Physicians, medical and osteopathic
071	58	Podiatrists
072	78	Veterinarians
073	58	Health practitioners, n.e.c.
Nurses, dietitians, and therapists		
074	39	Dietitians
075	44	Registered nurses
076	60	Therapists
Health technologists and technicians		
080	48	Clinical laboratory technologists and technicians
081	48	Dental hygienists
082	60	Health record technologists and technicians
083	48	Radiologic technologists and technicians
084	48	Therapy assistants
085	52	Health technologists and technicians, n.e.c.
Religious workers		
086	52	Clergymen
090	57	Religious workers, n.e.c.
Social scientists		
091	74	Economists
092	81	Political scientists
093	81	Psychologists
094	81	Sociologists
095	65	Urban and regional planners
096	81	Social scientists, n.e.c.
Social and recreational workers		
100	64	Social workers
101	67	Recreation workers
Teachers, college and university		
102	84	Agriculture teachers
103	84	Atmospheric, earth, marine and space teachers
104	84	Biology teachers
105	84	Chemistry teachers

Attachment 3: 1970 Census Occupational Classification System

1970 code	Duncan SEI score	Occupation
110	84	Physics teachers
111	84	Engineering teachers
112	84	Mathematics teachers
113	84	Health specialties teachers
114	84	Psychology teachers
115	84	Business and commerce teachers
116	84	Economics teachers
120	84	History teachers
121	84	Sociology teachers
122	84	Social science teachers, n.e.c.
123	53	Art, drama, and music teachers
124	64	Coaches and physical education teachers
125	84	Education teachers
126	84	English teachers
130	84	Foreign language teachers
131	72	Home economics teachers
132	84	Law teachers
133	84	Theology teachers
134	84	Trade, industrial, and technical teachers
135	84	Miscellaneous teachers, college and university
140	84	Teachers, college and university, subject not specified
Teachers, except college and university		
141	61	Adult education teachers
142	71	Elementary school teachers
143	72	Pre-kindergarten and kindergarten teachers
144	70	Secondary school teachers
145	62	Teachers, except college and university, n.e.c.
Engineering and science technicians		
150	62	Agriculture and biological technicians, except health
151	62	Chemical technicians
152	67	Draftsmen
153	62	Electrical and electronic engineering technicians
154	64	Industrial engineering technicians
155	62	Mechanical engineering technicians
156	53	Mathematical technicians
161	48	Surveyors
162	62	Engineering and science technicians, n.e.c.
Technicians, except health, and engineering and science		
163	79	Airplane pilots
164	69	Air traffic controllers
165	61	Embalmers
170	48	Flight engineers
171	69	Radio operators
172	62	Tool programmers, numerical control
173	62	Technicians, n.e.c.

1970 code	Duncan SEI score	Occupation
174	65	Vocational and educational counselors
		Writers, artists, and entertainers
175	60	Actors
180	62	Athletes and kindred workers
181	76	Authors
182	45	Dancers
183	71	Designers
184	82	Editors and reporters
185	52	Musicians and composers
190	67	Painters and sculptors
191	50	Photographers
192	82	Public relations men and publicity writers
193	65	Radio and television announcers
194	40	Writers, artists, and entertainers, n.e.c.
195	65	Research workers, not specified
		MANAGERS AND ADMINISTRATORS, EXCEPT FARM
201	61	Assessors, controllers and treasurers; local public administration
202	80	Bank officers and financial managers
203	51	Buyers and shippers, farm products
205	72	Buyers, wholesale and retail trade
210	74	Credit men
211	59	Funeral directors
212	74	Health administrators
213	58	Construction inspectors, public administration
215	55	Inspectors, except construction, public administration
216	32	Managers and superintendent building
220	74	Office managers, n.e.c
221	50	Officers, pilots, and pursers; ship
222	80	Officials and administrators; public administration, n.e.c.
223	60	Officials of lodges, societies, and unions
224	61	Postmasters and mail superintendents
225	75	Purchasing agents and buyers, n.e.c
226	59	Railroad conductors
230	38	Restaurant, cafeteria, and bar managers
231	72	Sales managers and department heads, retail trade
233	74	Sales managers, except retail trade
235	78	School administrators, college
240	72	School administrators, elementary and secondary
245	62	Managers and administrators, n.e.c.
		SALES WORKERS
260	66	Advertising agents and salesmen
261	40	Auctioneers
262	35	Demonstrators
264	09	Hucksters and peddlers

Attachment 3: 1970 Census Occupational Classification System

1970 code	Duncan SEI score	Occupation
265	66	Insurance agents, brokers, and underwriters
266	27	Newsboys
270	62	Real estate agents and brokers
271	72	Stock and bond salesmen
280	41	Salesmen and sales clerks, n.e.c.
CLERICAL AND UNSKILLED WORKERS		
301	52	Bank tellers
303	44	Billing clerks
305	51	Bookkeepers
310	44	Cashiers
311	44	Clerical assistants, social welfare
312	44	Clerical supervisors, n.e.c.
313	43	Collectors, bill and account
314	44	Counter clerks, except food
315	40	Dispatchers and starters, vehicle
320	44	Enumerators and interviewers
321	59	Estimators and investigators, n.e.c.
323	44	Expeditors and production controllers
325	44	File clerks
326	62	Insurance adjusters, examiners, and investigators
330	44	Library attendants, and assistants
331	53	Mail carriers, post office
332	43	Mail handlers, except post office
333	28	Messengers and office boys
334	44	Meter readers, utilities
Office machine operators		
341	45	Bookkeeping and billing machine operators
342	45	Calculating machine operators
343	45	Computer and peripheral equipment operators
344	45	Duplicating machine operators
345	45	Key punch operators
350	45	Tabulating machine operators
355	45	Office machine operators, n.e.c.
360	44	Payroll and timekeeping clerks
361	45	Postal clerks
362	44	Proofreaders
363	68	Real estate appraisers
364	44	Receptionists
Secretaries		
370	61	Secretaries, legal
371	61	Secretaries, medical
372	62	Secretaries, n.e.c.
374	24	Shipping and receiving clerks
375	44	Statistical clerks

1970 code	Duncan SEI score	Occupation
376	61	Stenographers
381	44	Stock clerks and storekeepers
382	63	Teacher aides, exc. school monitors
383	22	Telegraph messengers
384	47	Telegraph operators
385	45	Telephone operators
390	60	Ticket, station, and express agents
391	61	Typists
392	42	Weighers
394	44	Miscellaneous clerical workers
395	44	Not specified clerical workers
CRAFTSMEN AND KINDRED WORKERS		
401	22	Automobile accessories installers
402	22	Bakers
403	16	Blacksmiths
404	33	Boilermakers
405	39	Bookbinders
410	27	Brickmasons and stonemasons
411	32	Brickmasons and stonemasons, apprentices
412	20	Bulldozer operators
413	22	Cabinetmakers
415	19	Carpenters
416	31	Carpenter apprentices
420	12	Carpet installers
421	19	Cement and concrete finishers
422	52	Compositors and typesetters
423	40	Printing trades apprentices, exc. pressmen
424	21	Cranemen, derrickmen, and hoistmen
425	40	Decorators and window dressers
426	48	Dental laboratory technicians
430	44	Electricians
431	37	Electrician apprentices
433	49	Electric power linemen and cablemen
434	55	Electrotypers and stereotypers
435	47	Engravers, exc. photoengravers
436	23	Excavating, grading, and road machine operators; exc. bulldozer
440	17	Floor layers, exc. tile setters
441	49	Foremen, n.e.c.
442	23	Forgemen and hammermen
443	18	Furniture and wood finishers
444	40	Furriers
445	25	Glaziers
446	22	Heat treaters, annealers, and temperers
450	22	Inspectors, scalers, and graders; log and lumber
452	41	Inspectors, n.e.c.
453	36	Jewelers and watchmakers
454	34	Job and die setters, metal

Attachment 3: 1970 Census Occupational Classification System

1970 code	Duncan SEI score	Occupation
455	58	Locomotive engineers
456	45	Locomotive firemen
461	33	Machinists
462	41	Machinist apprentices
Mechanics and repairmen		
470	27	Air conditioning, heating, and refrigeration
471	48	Aircraft
472	19	Automobile body repairmen
473	19	Automobile mechanics
474	25	Automobile mechanic apprentices
475	27	Data processing machine repairmen
480	27	Farm implement
481	27	Heavy equipment mechanics, incl. diesel
482	27	Household appliance and accessory installers and mechanics
483	10	Loom fixers
484	36	Office machine
485	36	Radio and television
486	21	Railroad and car shop
491	34	Mechanic, exc. auto, apprentices
492	27	Miscellaneous mechanics and repairmen
495	27	Not specified mechanics and repairmen
501	19	Millers; grain, flour, and feed
502	31	Millwrights
503	12	Molders, metal
504	33	Molder apprentices
505	43	Motion picture projectionists
506	39	Opticians, and lens grinders and polishers
510	16	Painters, construction and maintenance
511	29	Painter apprentices
512	14	Paperhangers
514	43	Pattern and model makers, exc. paper
515	63	Photoengravers and lithographer
516	38	Piano and organ turners and repairmen
520	25	Plasterers
521	29	Plasterer apprentices
522	34	Plumbers and pipe fitters
523	33	Plumber and pipe fitter apprentices
525	50	Power station operators
530	46	Pressmen and plate printers, printing
531	40	Pressman apprentices
533	22	Rollers and finishers, metal
534	15	Roofers and slaters
535	33	Sheetmetal workers and tinsmiths
536	33	Sheetmetal apprentices
540	34	Shipfitters
542	12	Shoe repairmen
543	17	Sign painters and letterers

1970 code	Duncan SEI score	Occupation
545	45	Stationary engineers
546	24	Stone cutters and stone carvers
550	34	Structural metal craftsmen
551	22	Tailors
552	49	Telephone installers and repairmen
554	49	Telephone linemen and splicers
560	28	Tile setters
561	49	Tool and die makers
562	41	Tool and die maker apprentices
563	21	Upholsterers
571	35	Specified craft apprentices, n.e.c.
572	39	Not specified apprentices
575	25	Craftsmen and kindred workers, n.e.c.
580	-4	Former members of the Armed Forces
OPERATIVES, EXCEPT TRANSPORT		
601	32	Asbestos and insulation workers
602	18	Assemblers
603	11	Blasters and powdermen
604	18	Bottling and canning operatives
605	25	Chainmen, rodmen, and axmen; surveying
610	19	Checkers, examiners, and inspectors; manufacturing
611	18	Clothing ironers and pressers
612	19	Cutting operatives, n.e.c.
613	23	Dressmakers and seamstresses, except factory
614	24	Drillers, earth
615	25	Dry wall installers and lathers
620	12	Dyers
621	20	Filers, polishers, sanders, and buffers
622	18	Furnacemen, smeltermen, and pourers
623	18	Garage workers and gas station attendants
624	17	Graders and sorters, manufacturing
625	12	Produce graders and packers, except factory and farm
626	29	Heaters, metal
630	15	Laundry and dry cleaning operatives, n.e.c.
631	29	Meat cutters and butchers, exc. manufacturing
633	16	Meat cutters and butchers, manufacturing
634	18	Meat wrappers, retail trade
635	20	Metal platers
636	46	Milliners
640	16	Mine operatives, n.e.c.
641	18	Mixing operatives
642	15	Oilers and greasers, exc. auto
643	18	Packers and wrappers, except meat and product
644	18	Painters, manufactured articles
645	42	Photographic process workers

Attachment 3: 1970 Census Occupational Classification System

1970 code	Duncan SEI score	Occupation
Precision machine operatives		
650	25	Drill press operatives
651	22	Grinding machine operatives
652	22	Lathe and milling machine operatives
653	21	Precision machine operatives, n.e.c.
656	19	Punch and stamping press operatives
660	20	Riveters and fasteners
661	16	Sailors and deckhands
662	05	Sawyers
663	18	Sewers and stitchers
664	09	Shoemaking machine operatives
665	24	Solderers
666	17	Stationary firemen
Textile operatives		
670	03	Carding, lapping, and combing operatives
671	21	Knitters, loopers, and toppers
672	04	Spinners twisters, and winders
673	06	Weavers
674	06	Textile operatives, n.e.c.
680	24	Welders and flamecutters
681	20	Winding operatives, n.e.c.
690	19	Machine operatives, miscellaneous specified
692	19	Machine operatives, not specified
694	19	Miscellaneous operatives
695	19	Not specified operatives
TRANSPORT EQUIPMENT OPERATIVES		
701	24	Boatmen and canalmen
703	34	Bus drivers
704	33	Conductors and motormen, urban rail transit
705	31	Deliverymen and routemen
706	17	Fork lift and tow motor operatives
710	03	Motormen; mine, factory, logging camp, etc.
711	19	Parking attendants
712	42	Railroad brakemen
713	44	Railroad switchmen
714	10	Taxicab drivers and chauffeurs
715	15	Truck drivers
LABORERS, EXCEPT FARM		
740	17	Animal caretakers, exc. farm
750	07	Carpenters' helpers
751	07	Construction' laborers, exc. carpenter's helpers
752	11	Fishermen and oystermen
753	09	Freight and material handlers
754	08	Garbage collectors

1970 code	Duncan SEI score	Occupation
755	11	Gardeners and groundskeepers, exc. farm
760	11	Longshoremen and stevedores
761	04	Lumbermen, raftsmen, and woodchoppers
762	17	Stock handlers
763	08	Teamsters
764	08	Vehicle washers and equipment cleaners
770	08	Warehousemen, n.e.c.
780	08	Miscellaneous laborers
785	08	Not specified laborers
FARMERS AND FARM MANAGERS		
801	14	Farmers (owners and tenants)
802	36	Farm managers
FARM LABORERS AND FARM FOREMEN		
821	20	Farm foremen
822	06	Farm laborers, wage workers
823	17	Farm laborers, unpaid family workers
824	22	Farm service laborers, self-employed
SERVICE WORKERS, EXC. PRIVATE HOUSEHOLD		
Cleaning service workers		
901	13	Chambermaids and maids, except private household
902	08	Cleaners and charwomen
903	13	Janitors and sextons
Food service workers		
910	19	Bartenders
911	11	Busboys
912	15	Cooks, except private household
913	11	Dishwashers
914	17	Food counter and fountain workers
915	16	Waiters
916	11	Food service workers, n.e.c., except private household
Health service workers		
921	38	Dental assistants
922	25	Health aides, exc. nursing
923	51	Health trainees
924	37	Lay midwives
925	14	Nursing aides, orderlies, and attendants
926	22	Practical nurses
Personal service workers		
931	31	Airline stewardesses
932	19	Attendants, recreation and amusement
933	26	Attendants, personal service, n.e.c.
934	08	Baggage porters and bellhops

Attachment 3: 1970 Census Occupational Classification System

1970 code	Duncan SEI score	Occupation
935	17	Barbers
940	30	Boarding and lodging housekeepers
941	08	Bootblacks
942	28	Child care workers, exc. private household
943	10	Elevator operators
944	17	Hairdressers and cosmetologists
945	31	Personal service apprentices
950	31	Housekeepers, exc. private household
952	26	School monitors
953	25	Ushers, recreation and amusement
954	11	Welfare service aides
Protective service workers		
960	18	Crossing guards and bridge tenders
961	37	Firemen, fire protection
962	18	Guards and watchmen
963	21	Marshals and constables
964	41	Policemen and detectives
965	34	Sheriffs and bailiffs
PRIVATE HOUSEHOLD WORKERS		
980	07	Child care workers, private household
981	07	Cooks, private household
982	11	Housekeepers, private household
983	12	Laundresses, private household
984	07	Maids and servants, private household

SOURCES: Three-digit Industry and Occupation Codes - U.S. Bureau of the Census, 1970 Census of Population Classified Index of Industries and Occupations, U.S. Government Printing Office, Washington, D.C., 1971.

Two-digit Duncan socioeconomic index scores - Albert J. Reiss, Jr., et al., Occupations and Social Status, Free Press of Glencoe, New York, N.Y., 1961.

NOTE: The following occupation codes were used in addition to those of the 1970 Census of Population:

- 000 = None
- 590 = Current member of armed forces
- 990 = Same as present job
- 995 = Never worked/Did not work during that period

1980 CENSUS OF POPULATION: INDUSTRIAL CLASSIFICATION SYSTEM

Equivalent numeric codes follow the alphabetic codes. Either code may be used, depending on the processing method. Numbers in parentheses following the industry categories are the 1977 Standard Industrial Classification definitions. The abbreviation “pt” means “part” and “n.e.c.” means “not elsewhere classified.”

1980 code	Industry (SIC code)
AGRICULTURE, FORESTRY, AND FISHERIES	
A (010)	Agricultural production, crops (01)
11	Agricultural production, livestock (02)
020	Agricultural services, except horticultural (07, except 078)
021	Horticultural services (078)
030	Forestry (08)
031	Fishing, hunting, and trapping (09)
MINING	
040	Metal mining (10)
041	Coal mining (11,12)
042	Crude petroleum and natural gas extraction (13)
050	Nonmetallic mining and quarrying, except fuel (14)
B (060)	CONSTRUCTION (15, 16, 17)
MANUFACTURING	
Nondurable goods	
<i>Food and kindred products</i>	
100	Meat products (201)
101	Dairy products (202)
102	Canned and preserved fruits and vegetables (203)
110	Grain mill products (204)
111	Bakery products (205)
112	Sugar and confectionery products (206)
120	Beverage industries (208)
121	Miscellaneous food preparations and kindred products (207, 209)
122	Not specified food industries
130	Tobacco manufactures (21)
<i>Textile mill products</i>	
132	Knitting mills (225)
140	Dyeing and finishing textiles, except wool and knit goods (226)
141	Floor coverings, except hard surface (227)
142	Yarn, thread, and fabric mills (228, 221-224)
150	Miscellaneous textile mill products (229)
<i>Apparel and other finished textile products</i>	
151	Apparel and accessories, except knit (231-238)
152	Miscellaneous fabricated textile products (239)

Attachment 3: 1980 Census Industrial Classification System

1980 code	Industry (SIC code)
	<i>Paper and allied products</i>
160	Pulp, paper, and paperboard mills (261-263, 266)
161	Miscellaneous paper and pulp products (264)
162	Paperboard containers and boxes (265)
	<i>Printing, publishing, and allied industries</i>
C (171)	Newspaper publishing and printing (271)
172	Printing, publishing, and allied industries, except newspapers (272-279)
	<i>Chemicals and allied products</i>
180	Plastics, synthetics, and resins (282)
181	Drugs (283)
182	Soaps and cosmetics (284)
190	Paints, varnishes, and related products (285)
191	Agricultural chemicals (287)
192	Industrial and miscellaneous chemicals (281, 286, 289)
	<i>Petroleum and coal products</i>
200	Petroleum refining (291)
201	Miscellaneous petroleum and coal products (295, 299)
	<i>Rubber and miscellaneous plastics products</i>
210	Tires and inner tubes (301)
211	Other rubber products, and plastics footwear and belting (302-304, 306)
212	Miscellaneous plastics products (307)
	<i>Leather and leather products</i>
220	Leather tanning and finishing (311)
221	Footwear, except rubber and plastic (313, 314)
222	Leather products, except footwear (315-317, 319)
	Durable goods
	<i>Lumber and wood products, except furniture</i>
230	Logging (241)
231	Sawmills, planing mills, and millwork (242,243)
232	Wood buildings and mobile homes (245)
241	Miscellaneous wood products (244,249)
242	Furniture and fixtures (25)
	<i>Stone, clay, glass, and concrete products</i>
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324, 327)
252	Structural clay products (325)
261	Pottery and related products (326)
262	Miscellaneous nonmetallic mineral and stone products (328, 329)
	<i>Metal industries</i>
270	Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272	Primary aluminum industries (3334, pt 334, 3353-3355, 3361)
280	Other primary metal industries (3331-3333, 3339, pt 334, 3351, 3356, 3357, 3362,

1980 code	Industry (SIC code)
	3369, 339)
281	Cutlery, hand tools, and other hardware (342)
282	Fabricated structural metal products (344)
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292	Ordnance (348)
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
	<i>Machinery, except electrical</i>
310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
	<i>Electrical machinery, equipment, and supplies</i>
340	Household appliances (363)
341	Radio, TV, and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
350	Not specified electrical machinery, equipment, and supplies
	<i>Transportation equipment</i>
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
370	Cycles and miscellaneous transportation equipment (375, 379)
	<i>Professional and photographic equipment, and watches</i>
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clock work operated devices (387)
382	Not specified professional equipment
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39, exc. 394)
392	Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

Transportation	
400	Railroads (40)
401	Bus service and urban transit (41, except 412)
402	Taxicab service (412)
410	Trucking service (421,423)

1980 code	Industry (SIC code)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
432	Services incidental to transportation (47)
	Communications
440	Radio and television broadcasting (483)
441	Telephone (wire and radio) (481)
442	Telegraph and miscellaneous communication services (482, 489)
	Utilities and sanitary services
460	Electric light and power (491)
461	Gas and steam supply systems (492, 496)
462	Electric and gas, and other combinations (493)
470	Water supply and irrigation (494, 497)
471	Sanitary services (495)
472	Not specified utilities

WHOLESALE TRADE

	Durable goods
500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
510	Sporting goods, toys, and hobby goods (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
521	Hardware, plumbing and heating supplies (507)
522	Not specified electrical and hardware products
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (5094, 5099)
	Nondurable goods
540	Paper and paper products (511)
541	Drugs, chemicals, and allied products (512, 516)
542	Apparel, fabrics, and notions (513)
550	Groceries and related products (514)
551	Farm-product raw materials (515)
552	Petroleum products (517)
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)
571	Not specified wholesale trade

RETAIL TRADE

580	Lumber and building material retailing (521, 523)
581	Hardware stores (525)

1980 code	Industry (SIC code)
582	Retail nurseries and garden stores (526)
590	Mobile home dealers (527)
D (591)	Department stores (531)
592	Variety stores (533)
600	Miscellaneous general merchandise stores (539)
E (601)	Grocery stores (541)
602	Dairy products stores (545)
610	Retail bakeries (546)
611	Food stores, n.e.c.(542, 543, 544, 549)
612	Motor vehicle dealers (551, 552)
620	Auto and home supply stores (553)
621	Gasoline service stations (554)
622	Miscellaneous vehicle dealers (555, 556, 557, 559)
630	Apparel and accessory stores, except shoe (56, except 566)
631	Shoe stores (566)
632	Furniture and home furnishings stores (571)
640	Household appliances, TV, and radio stores (572, 573)
F (641)	Eating and drinking places (58)
642	Drug stores (591)
650	Liquor stores (592)
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652	Book and stationery stores (5942, 5943)
660	Jewelry stores (5944)
661	Sewing, needlework, and piece goods stores (5949)
662	Mail order houses (5961)
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672	Fuel and ice dealers (598)
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
691	Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

G (700)	Banking (60)
701	Savings and loan associations (612)
702	Credit agencies, n.e.c. (61, except 612)
710	Security, commodity brokerage, and investment companies (62, 67)
H (711)	Insurance (63, 64)
712	Real estate, including real estate-insurance-law offices (65,66)

BUSINESS AND REPAIR SERVICES

721	Advertising (731)
722	Services to dwellings and other buildings (734)
730	Commercial research, development, and testing labs (7391, 7397)
731	Personnel supply services (736)
732	Business management and consulting services (7392)
740	Computer and data processing services (737)
741	Detective and protective services (7393)
742	Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)

1980 code	Industry (SIC code)
750	Automotive services, except repair (751, 752, 754)
751	Automotive repair shops (753)
752	Electrical repair shops (762, 7694)
760	Miscellaneous repair services (763, 764, 7692, 7699)

PERSONAL SERVICES

J (761)	Private households (88)
762	Hotels and motels (701)
770	Lodging places, except hotels and motels (702, 703, 704)
771	Laundry, cleaning, and garment services (721)
772	Beauty shops (723)
780	Barber shops (724)
781	Funeral service and crematories (726)
782	Shoe repair shops (725)
790	Dressmaking shops (pt 729)
791	Miscellaneous personal services (722, pt 729)

ENTERTAINMENT AND RECREATION SERVICES

800	Theaters and motion pictures (78, 792)
801	Bowling alleys, billiard and pool parlors (793)
802	Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

812	Offices of physicians (801, 803)
820	Offices of dentists (802)
821	Offices of chiropractors (8041)
822	Offices of optometrists (8042)
830	Offices of health practitioners, n.e.c. (8049)
K (831)	Hospitals (806)
832	Nursing and personal care facilities (805)
840	Health services, n.e.c. (807, 808, 809)
841	Legal services (81)
L (842)	Elementary and secondary schools (821)
M (850)	Colleges and universities (822)
851	Business, trade, and vocational schools (824)
852	Libraries (823)
860	Educational services, n.e.c. (829)
861	Job training and vocational rehabilitation services (833)
862	Child day care services (835)
870	Residential care facilities, without nursing (836)
871	Social services, n.e.c. (832, 839)
872	Museums, art galleries, and zoos (84)
880	Religious organizations (866)
881	Membership organizations (861-865, 869)
882	Engineering, architectural, and surveying services (891)
890	Accounting, auditing, and bookkeeping services (893)
891	Noncommercial educational and scientific research (892)
892	Miscellaneous professional and related services (899)

1980 code	Industry (SIC code)
	PUBLIC ADMINISTRATION
900	Executive and legislative offices (911-913)
901	General government, n.e.c. (919)
910	Justice, public order, and safety (92)
921	Public finance, taxation, and monetary policy (93)
922	Administration of human resources programs (94)
930	Administration of environmental quality and housing programs (95)
931	Administration of economic programs (96)
932	National security and international affairs (97)
990	INDUSTRY NOT REPORTED (Code used when not-reported cases are not allocated)

1980 CENSUS OF POPULATION: OCCUPATIONAL CLASSIFICATION SYSTEM

Equivalent numeric codes follow the alphabetic code. Either code may be used, depending on the processing method. Numbers in parentheses following the occupation categories are the 1977 Standard Occupational Classification code equivalents. The abbreviation “pt” means “part” and “n.e.c.” means “not elsewhere classified.”

1980 code	Occupation (1977 SOC code)
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS	
Executive, Administrative, and Managerial Occupations	
003	Legislators (112)
004	Chief executives and general administrators, public administration (111)
005	Administrators and officials, public administration (pt 113 and 119, except 1136)
006	Administrators, protective services (pt 113)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Managers, properties and real estate (1353)
017	Postmasters and mail superintendents (1344)
018	Funeral directors (pt 1359)
019	Managers and administrators, n.e.c. (1136, 121, 126, 127, 132-139, except 1344, 1353, pt 1359)
Management related occupations	
023	Accountants and auditors (1412)
024	Underwriters (pt 1419)
025	Other financial officers (pt 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (pt 144)
029	Buyers, wholesale and retail trade, except farm products (432)
033	Purchasing agents and buyers, n.e.c. (pt 144)
034	Business and promotion agents (145)
035	Construction inspectors (1171, 618)
036	Inspectors and compliance officers, exc. construction (1172, 147)
037	Management related occupations, n.e.c. (149)
Professional Specialty Occupations	
043	Architects (15)
<i>Engineers, surveyors and mapping scientists</i>	
044	Aerospace engineers (1622)
045	Metallurgical and materials engineers (1623)
046	Mining engineers (1624)
047	Petroleum engineers (1625)
048	Chemical engineers (1626)
049	Nuclear engineers (1627)

1980 code	Occupation (1977 SOC code)
053	Civil engineers (1628)
054	Agricultural engineers (1632)
055	Electrical and electronic engineers (1633, 1636)
056	Industrial engineers (1634)
057	Mechanical engineers (1635)
058	Marine engineers and naval architects (1637)
059	Engineers, n.e.c. (1639)
063	Surveyors and mapping scientists (1642)
	<i>Mathematical and computer scientists</i>
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
	<i>Natural scientists</i>
069	Physicists and astronomers (1842, 1843)
073	Chemists, except biochemists (1845)
074	Atmospheric and space scientists (1846)
075	Geologists and geodesists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854, 1859)
079	Forestry and conservation scientists (1852)
083	Medical scientists (1855)
	<i>Health diagnosing occupations</i>
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
	<i>Health assessment and treating occupations</i>
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
	<i>Therapists</i>
098	Inhalation therapists (pt 303)
099	Occupational therapists (pt 303)
103	Physical therapists (pt 303)
104	Speech therapists (pt 303)
105	Therapists, n.e.c. (pt 303)
106	Physicians' assistants (304)
	<i>Teachers, postsecondary</i>
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)

Attachment 3: 1980 Census Occupational Classification System

1980 code	Occupation (1977 SOC code)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
133	Medical science teachers (pt 2232)
134	Health specialties teachers (pt 2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (pt 2249)
153	Teachers, postsecondary, n.e.c. (pt 2249)
154	Postsecondary teachers, subject not specified
	<i>Teachers, except post secondary</i>
155	Teachers, prekindergarten and kindergarten (231)
N (156)	Teachers, elementary school (232)
P (157)	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (234, 239)
163	Counselors, educational and vocational (24)
	<i>Librarians, archivists, and curators</i>
164	Librarians (251)
165	Archivists and curators (252)
	<i>Social scientists and urban planners</i>
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)

1980 code	Occupation (1977 SOC code)
	<i>Social, recreation, and religious workers</i>
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
	<i>Lawyers and judges</i>
178	Lawyers (211)
179	Judges (212)
	<i>Writers, artists, entertainers, and athletes</i>
183	Authors (pt 321)
184	Technical writers (pt 321)
185	Designers (322)
186	Musicians and composers (323)
187	Actors and directors (324)
188	Painters, sculptors, craft-artists, and artist printmakers (325, pt 7263)
189	Photographers (326)
193	Dancers (327)
194	Artists, performers, and related workers, n.e.c. (328, 329)
195	Editors and reporters (331)
197	Public relations specialists (332)
198	Announcers (333)
199	Athletes (34)

TECHNICAL, SALES AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

Health technologists and technicians

203	Clinical laboratory technologists and technicians (362)
204	Dental hygienists (363)
205	Health record technologists and technicians (364)
206	Radiologic technicians (365)
207	Licensed practical nurses (366)
208	Health technologists and technicians, n.e.c. (369)

Technologists and technicians, except health

Engineering and related technologists and technicians

213	Electrical and electronic technicians (3711)
214	Industrial engineering technicians (3712)
215	Mechanical engineering technicians (3713)
216	Engineering technicians, n.e.c. (3719)
217	Drafting occupations (3721)
218	Surveying and mapping technicians (3722)

Science technicians

223	Biological technicians (382)
224	Chemical technicians (3831)
225	Science technicians, n.e.c. (3832, 3833, 384, 389)

1980 code	Occupation (1977 SOC code)
	<i>Technicians, except health, engineering, and science</i>
226	Airplane pilots and navigators (645)
227	Air traffic controllers (391)
228	Broadcast equipment operators (392)
229	Computer programmers (3931, 3932)
233	Tool programmers, numerical control (3934)
234	Legal assistants (396)
235	Technicians, n.e.c. (399)
	Sales Occupations
243	Supervisors and proprietors, sales occupations (40, pt 4518)
	<i>Sales occupations, business goods and services</i>
253	Insurance sales occupations (4222)
254	Real estate sales occupations (4223)
255	Securities and financial services sales occupations (4224)
256	Advertising and related sales occupations (4253)
257	Sales occupations, other business services (4252)
258	Sales engineers (pt 16)
259	Sales representatives, mining, manufacturing, and wholesale (412, 413)
	<i>Sales occupations, personal goods and services</i>
263	Sales workers, motor vehicles and boats (4142, 4144)
264	Sales workers, apparel (pt 4146)
265	Sales workers, shoes (pt 4146)
266	Sales workers, furniture and home furnishings (4148)
267	Sales workers, radio, television, hi-fi, and appliances (4143, 4152)
268	Sales workers, hardware and building supplies (4153)
269	Sales workers, parts (4167)
274	Sales workers, other commodities (4145, 4147, 4154, 4156, 4159, pt 4162, 4169, 4259, 4665)
275	Sales counter clerks (pt 4162)
Q (276)	Cashiers (4683)
277	Street and door-to-door sales workers (4163)
278	News vendors (4165)
	<i>Sales related occupations</i>
283	Demonstrators, promoters and models, sales (435)
284	Auctioneers (pt 439)
285	Sales support occupations, n.e.c. (434, 436, pt 439)
	Administrative Support Occupations, Including Clerical
	<i>Supervisors, administrative support occupations</i>
303	Supervisors, general office (4511-4514, 4516, pt 4518, 4519, 4529, 4537)
304	Supervisors, computer equipment operators (4535)
305	Supervisors, financial records processing (4521, 4536)
306	Chief communications operators (4515)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522-4528)
	<i>Computer equipment operators</i>
308	Computer operators (4852)

1980 code	Occupation (1977 SOC code)
309	Peripheral equipment operators (4853)
	<i>Secretaries, stenographers, and typists</i>
R (313)	Secretaries (4612)
314	Stenographers (4613)
315	Typists (4622)
	<i>Information clerks</i>
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
323	Information clerks, n.e.c. (4649)
	<i>Records processing occupations, except financial</i>
325	Classified-ad clerks (4662)
326	Correspondence clerks (4663)
327	Order clerks (4664)
328	Personnel clerks, except payroll and timekeeping (4692)
329	Library clerks (4694)
335	File clerks (4696)
336	Records clerks (4693, 4699)
	<i>Financial records processing occupations</i>
S (337)	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)
339	Billing clerks (4715)
343	Cost and rate clerks (4716)
344	Billing, posting, and calculating machine operators (486)
	<i>Duplicating, mail and other office machine operators</i>
345	Duplicating machine operators (4872)
346	Mail preparing and paper handling machine operators (4873)
347	Office machine operators, n.e.c. (4879)
	<i>Communications equipment operators</i>
348	Telephone operators (4652)
349	Telegraphers (4623)
353	Communications equipment operators, n.e.c. (4659)
	<i>Mail and message distributing occupations</i>
354	Postal clerks, exc. mail carriers (4723)
355	Mail carriers, postal service (4733)
356	Mail clerks, exc. postal service (4722)
357	Messengers (4732)
	<i>Material recording, scheduling, and distributing clerks, n.e.c.</i>
359	Dispatchers (4741)
363	Production coordinators (4742)
364	Traffic, shipping, and receiving clerks (4743)
365	Stock and inventory clerks (4744)

1980 code	Occupation (1977 SOC code)
366	Meter readers (4745)
368	Weighers, measurers, and checkers (4746)
369	Samplers (4747)
373	Expenditures (4748)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4749)
	<i>Adjusters and investigators</i>
375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)
	<i>Miscellaneous administrative support occupations</i>
379	General office clerks (4632)
383	Bank tellers (4682)
384	Proofreaders (4792)
385	Data-entry keyers (4624)
386	Statistical clerks (4717)
387	Teachers' aides (4695)
389	Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

Private Household Occupations

403	Launderers and ironers (533)
404	Cooks, private household (534)
405	Housekeepers and butlers (535)
406	Child care workers, private household (536)
T (407)	Private household cleaners and servants (532, 537, 539)

Protective Service Occupations

Supervisors, protective service occupations

413	Supervisors, firefighting and fire prevention occupations (5011)
414	Supervisors, police and detectives (5012)
415	Supervisors, guards (5013)

Firefighting and fire prevention occupations

416	Fire inspection and fire prevention occupations (5112)
417	Firefighting occupations (5113)

Police and detectives

418	Police and detectives, public service (5122)
423	Sheriffs, bailiffs, and other law enforcement officers (5124)
424	Correctional institution officers (5133)

Guards

425	Crossing guards (5132)
426	Guards and police, exc. public service (5134)
427	Protective service occupations, n.e.c. (5139)

1980 code	Occupation (1977 SOC code)
Service Occupations, Except Protective and Private Household	
<i>Food preparation and service occupations</i>	
433	Supervisors; food preparation and service occupations (5021)
434	Bartenders (5212)
U (435)	Waiters and waitresses (5213)
436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
443	Waiters'/waitresses' assistants' (5218)
444	Miscellaneous food preparation occupations (5219)
<i>Health service occupations</i>	
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
<i>Cleaning and building service occupations, except private household</i>	
448	Supervisors, cleaning and building service workers (5024)
449	Maids and housemen (5242, 5249)
V (453)	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)
<i>Personal service occupations</i>	
456	Supervisors, personal service occupations (5025)
457	Barbers (5251)
458	Hairdressers and cosmetologists (5252)
459	Attendants, amusement and recreation facilities (5253)
463	Guides (5254)
464	Ushers (5255)
465	Public transportation attendants (5256)
466	Baggage porters and bellhops (5258)
467	Welfare service aides (5262)
468	Child care workers, except private household (5263)
469	Personal service occupations, n.e.c. (5257, 5269)
FARMING, FORESTRY, AND FISHING OCCUPATIONS	
Farm operators and managers	
W (473)	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)
Other agricultural and related occupations	
<i>Farm occupations, except managerial</i>	
477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)

1980 code	Occupation (1977 SOC code)
484	Nursery workers (5619)
	<i>Related agricultural occupations</i>
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)
	<i>Forestry and logging occupations</i>
494	Supervisors, forestry and logging workers (571)
495	Forestry workers, except logging (572)
496	Timber cutting and logging occupations (573, 579)
	<i>Fishers, hunters, and trappers</i>
497	Captains and other officers, fishing vessels (582)
498	Fishers (583)
499	Hunters and trappers (584)
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	
	Mechanics and repairers
503	Supervisors, mechanics and repairers (66)
	<i>Mechanics and repairers, except supervisors</i>
	<i>Vehicle and mobile equipment mechanics and repairers</i>
X (505)	Automobile mechanics (6711)
506	Automobile mechanic apprentices (pt 6711)
507	Bus, truck, and stationary engine mechanics (6712)
508	Aircraft engine mechanics (6713)
509	Small engine repairers (6714)
514	Automobile body and related repairers (6715)
515	Aircraft mechanics, exc. engine (6716)
516	Heavy equipment mechanics (6717)
517	Farm equipment mechanics (6718)
518	Industrial machinery repairers (673)
519	Machinery maintenance occupations (674)
	<i>Electrical and electronic equipment repairers</i>
523	Electronic repairers, communications and industrial equipment (6751, 6753, 6755)
525	Data processing equipment repairers (6754)
526	Household appliance and power tool repairers (6756)
527	Telephone line installers and repairers (6757)
529	Telephone installers and repairers (6758)
533	Miscellaneous electrical and electronic equipment repairers (6752, 6759)
534	Heating, air conditioning, and refrigeration mechanics (676)
	<i>Miscellaneous mechanics and repairers</i>
535	Camera, watch, and musical instrument repairers (6771, 6772)
536	Locksmiths and safe repairers (6773)
538	Office machine repairers (6774)

1980 code	Occupation (1977 SOC code)
539	Mechanical controls and valve repairers (6775)
543	Elevator installers and repairers (6776)
544	Millwrights (6778)
547	Specified mechanics and repairers, n.e.c. (6777, 6779)
549	Not specified mechanics and repairers
Construction trades	
<i>Supervisors, construction occupations</i>	
553	Supervisors; brickmasons, stonemasons, and tile setters (6012)
554	Supervisors; carpenters and related workers (6013)
555	Supervisors, electricians and power transmission installers (6014)
556	Supervisors; painters, paperhangers, and plasterers (6015)
557	Supervisors; plumbers, pipefitters, and steam fitters (6016)
558	Supervisors, n.e.c. (6011, 6018)
<i>Construction trades, except supervisors</i>	
563	Brickmasons and stone masons (6112, 6113)
564	Brickmason and stone mason apprentices (pt 6112-6113)
565	Tile setters, hard and soft (6114, pt 6162)
566	Carpet installers (pt 6162)
Y (567)	Carpenters (6122)
569	Carpenter apprentices (pt 6122)
573	Drywall installers (6124)
575	Electricians (6132)
576	Electrician apprentices (pt 6312)
577	Electrical power installers and repairers (6133)
579	Painters, construction and maintenance (6142)
583	Paperhangers (6143)
584	Plasterers (6144)
585	Plumbers, pipefitters, and steamfitters (6150)
587	Plumber, pipefitter, and steamfitter apprentices (pt 6150)
588	Concrete and terrazzo finishers (6163)
589	Glaziers (6164)
593	Insulation workers (6165)
594	Paving, surfacing, and tamping equipment operators (6166)
595	Roofers (6168)
596	Sheetmetal duct installers (6172)
597	Structural metal workers (6173)
598	Drillers, earth (6174)
599	Construction trades, n.e.c. (6167, 6175, 6176, 6179)
Extractive occupations	
613	Supervisors, extractive occupations (602)
614	Drillers, oil well (622)
615	Explosives workers (623)
616	Mining machine operators (624)
617	Mining occupations, n.e.c. (626)

1980 code	Occupation (1977 SOC code)
	Precision production occupations
633	Supervisors, production occupations (pt 711, 712)
	<i>Precision metal working occupations</i>
634	Tool and die makers (7211)
635	Tool and die maker apprentices (pt 7211)
636	Precision assemblers, metal (7212)
637	Machinists (7213)
639	Machinist apprentices (pt 7213)
643	Boilermakers (7214)
644	Precision grinders, fitters, and tool sharpeners (7216)
645	Patternmakers and model makers, metal (7217)
646	Lay-out workers (7221)
647	Precious stones and metal workers (jewelers)(7222, 7266)
649	Engravers, metal (7223)
653	Sheet metal workers (7224)
654	Sheet metal worker apprentices (pt 7224)
655	Miscellaneous precision metal workers (7229)
	<i>Precision woodworking occupations</i>
656	Patternmakers and model makers, wood (7231)
657	Cabinet makers and bench carpenters (7232)
658	Furniture and wood finishers (pt 7234, pt 7756)
659	Miscellaneous precision woodworkers (pt 7234, 7239)
	<i>Precision textile, apparel, and furnishings machine workers</i>
666	Dressmakers (7251, pt 7752)
667	Tailors (7252)
668	Upholsterers (7253)
669	Shoe repairers (7254)
673	Apparel and fabric pattern makers (pt 7259)
674	Miscellaneous precision apparel and fabric workers (pt 7259, pt 7752)
	<i>Precision workers, assorted materials</i>
675	Hand molders and shapers, except jewelers (7261)
676	Patternmakers, lay-out workers, and cutters (7262)
677	Optical goods workers (7264, pt 7677)
678	Dental laboratory and medical appliance technicians (7265)
679	Bookbinders (pt 7249, pt 7449)
683	Electrical and electronic equipment assemblers (7267)
684	Miscellaneous precision workers, n.e.c. (7269)
	<i>Precision food production occupations</i>
686	Butchers and meat cutters (7271)
687	Bakers (7272)
688	Food batchmakers (7273, 7279)
	<i>Precision inspectors, testers, and related workers</i>
689	Inspectors, testers, and graders (7281)
693	Adjusters and calibrators (7282)

1980 code	Occupation (1977 SOC code)
	<i>Plant and system operators</i>
694	Water and sewage treatment plant operators (791)
695	Power plant operators (pt 793)
696	Stationary engineers (pt 793, 7668)
699	Miscellaneous plant and system operators (792, 794, 795, 796)
OPERATORS, FABRICATORS, AND LABORERS	
Machine Operators, Assemblers, and Inspectors	
	<i>Machine operators and tenders, except precision</i>
	<i>Metalworking and plastic working machine operators</i>
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717	Fabricating machine operators, n.e.c. (7339, 7539)
	<i>Metal and plastic processing machine operators</i>
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
	<i>Woodworking machine operators</i>
726	Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nailing and tacking machine operators (7636)
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
	<i>Printing machine operators</i>
734	Printing machine operators (7443, 7643)
735	Photoengravers and lithographers (7242, 7444, 7644)
736	Typesetters and compositors (7241, 7442, 7642)
737	Miscellaneous printing machine operators (pt 7249, pt 7449, 7649)
	<i>Textile, apparel, and furnishings machine operators</i>
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655, pt 7656)
745	Shoe machine operators (pt 7656, pt 7659)
747	Pressing machine operators (7657)
748	Laundering and dry cleaning machine operators (7255, 7658)

1980 code	Occupation (1977 SOC code)
749	Miscellaneous textile machine operators (7453, 7653, pt 7659)
	<i>Machine operators, assorted materials</i>
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (7462,7662)
755	Extruding and forming machine operators (7463, 7663)
756	Mixing and blending machine operators (7664)
757	Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758	Compressing and compacting machine operators (7467, 7667)
759	Painting and paint spraying machine operators (7669)
763	Roasting and baking machine operators, food (7472, 7672)
764	Washing, cleaning, and pickling machine operators (7673)
765	Folding machine operators (7474, 7674)
766	Furnace, kiln, and oven operators, exc. food (7668, 7671, 7675)
768	Crushing and grinding machine operators (7477, pt 7677)
769	Slicing and cutting machine operators (7478, 7678)
773	Motion picture projectionists (pt 7679)
774	Photographic process machine operators (pt 7263, pt 7679)
777	Miscellaneous machine operators, n.e.c. (7479, 7665, pt 7679)
779	Machine operators, not specified
	<i>Fabricators, assemblers, and hand working occupations</i>
783	Welders and cutters (7332, 7532, 7714)
784	Solderers and brazers (7333, 7533, 7717)
785	Assemblers (772, 774)
786	Hand cutting and trimming occupations (7753)
787	Hand molding, casting, and forming occupations (7754, 7755)
789	Hand painting, coating, and decorating occupations (pt 7756)
793	Hand engraving and printing occupations (7757)
794	Hand grinding and polishing occupations (7758)
795	Miscellaneous hand working occupations (7759)
	<i>Production inspectors, testers, samplers, and weighers</i>
796	Production inspectors, checkers, and examiners (782, 786, 787)
797	Production testers (783)
798	Production samplers and weighers (784)
799	Graders and sorters, except agricultural (785)
	Transportation and Material Moving Occupations
	<i>Motor vehicle operators</i>
803	Supervisors, motor vehicle operators (6311)
Z (804)	Truck drivers, heavy (6412, 6413)
805	Truck drivers, light (6414)
806	Driver-sales workers (433)
808	Bus drivers (6415)
809	Taxi cab drivers and chauffeurs (6416)
813	Parking lot attendants (6417)
814	Motor transportation occupations, n.e.c. (6419)

1980 code	Occupation (1977 SOC code)
	<i>Transportation occupations, except motor vehicles</i>
	<i>Rail transportation occupations</i>
823	Railroad conductors and yardmasters (6313)
824	Locomotive operating occupations (6432)
825	Railroad brake, signal, and switch operators (6433)
826	Rail vehicle operators, n.e.c. (6439)
	<i>Water transportation occupations</i>
828	Ship captains and mates, except fishing boats (6441, 6442)
829	Sailors and deckhands (6443)
833	Marine engineers (6444)
834	Bridge, lock and lighthouse tenders (6445)
	<i>Material moving equipment operators</i>
843	Supervisors, material moving equipment operators (632)
844	Operating engineers (6512)
845	Longshore equipment operators (6513)
848	Hoist and winch operators (6514)
849	Crane and tower operators (6515)
853	Excavating and loading machine operators (6516)
855	Grader, dozer, and scraper operators (6517)
856	Industrial truck and tractor equipment operators (6518)
859	Miscellaneous material moving equipment operators (6519, pt 659)
	Handlers, Equipment Cleaners, Helpers, and Laborers
863	Supervisors; handlers, equipment cleaners, and laborers, n.e.c. (pt 711)
864	Helpers, mechanics and repairers (679)
	<i>Helpers, construction and extractive occupations</i>
865	Helpers, construction trades (6191-6195, 6198)
866	Helpers, surveyor (6196)
867	Helpers, extractive occupations (629)
869	Construction laborers (81)
873	Production helpers (769, 779)
	<i>Freight, stock, and material movers, hand</i>
875	Garbage collectors (822)
876	Stevedores (823)
877	Stock handlers and baggers (824)
878	Machine feeders and offbearers (825)
883	Freight, stock, and material movers, hand, n.e.c. (649, 826)
885	Garage and service station related occupations (672)
887	Vehicle washers and equipment cleaners (83)
888	Hand packers and packagers (841)
889	Laborers, except construction (842, 846, pt 659)
999	OCCUPATION NOT REPORTED (Code used when not-reported cases are not allocated)

Attachment 3: 1980 Census Occupational Classification System

SOURCE: United States. Bureau of the Census. 1980 Census of Population: Alphabetic Index of Industries and Occupations. Washington, D.C.: U.S. Government Printing Office, 1981.

1977 DEPARTMENT OF DEFENSE 3-DIGIT ENLISTED OCCUPATIONAL CLASSIFICATION SYSTEM

Code	DOD Occupation
	INFANTRY, GUN CREWS AND SEAMANSHIP SPECIALISTS
	Infantry
010	Infantry, General
011	Special Forces
012	Military Training Instructor
	Armor and Amphibious
020	Armor and Amphibious, General
	Combat Engineering
030	Combat Engineering, General
	Artillery/Gunnery, Rockets and Missiles
041	Artillery and Gunnery
042	Rocket Artillery
043	Missile Artillery, Operating Crew
	Air Crew
050	Air Crew, General
051	Pilots and Navigators
	Seamanship
060	Boatswains
061	Navigators
062	Small Boat Operators
063	Seamanship, General
	Installation Security
070	Security Guards
	ELECTRONIC EQUIPMENT REPAIRMEN
	Radio/Radar
100	Radio/Radar, General
101	Communications, Radio
102	Navigation, Communication and Countermeasure, n.e.c.
103	Air Traffic Control Radar
104	Surveillance/Target Acquisition and Tracking Radar
	Fire Control Electronic Systems (Non-missile)
111	Bomb - Navigation
112	Airborne Fire Control
113	Shipboard and Other Fire Control
	Missile Guidance, Control and Checkout
121	Missile Guidance and Control
122	Missile Checkout Equipment, Test Equipment and Calibration
123	Torpedo

Code	DOD Occupation
	Sonar Equipment
130	Sonar, General
	Nuclear Weapons Equipment
140	Nuclear Weapons Equipment Repair, General
	ADP Computers
150	ADP Computers, General
	Teletype and Cryptographic Equipment
160	Teletype and Cryptographic Equipment, General
	Other Electronic Equipment
191	Training Devices
193	Shipboard Inertial Navigation Systems
198	Electronic Instruments, N.E.C.
	COMMUNICATIONS AND INTELLIGENCE SPECIALISTS
	Radio and Radio Code
201	Radio Code
202	Non-Code Radio
203	Non-Radio Communications (Visual)
	Sonar
210	Sonar Operator, General
	Radar and Air Traffic Control
221	Radar
222	Air Traffic Control
	Signal Intelligence/Electronic Warfare
230	Signal Intelligence/Electronic Warfare, General
231	Intercept (Code and Non-code)
232	Analysis
233	Electronic Countermeasures
	Intelligence
241	Language Interrogation/Interpretation
242	Image Interpretation
243	Operational Intelligence
244	Counterintelligence
	Combat Operations Control
250	Combat Operations Control, General
	Communications Center Operations
260	Communications Center Operations, General
	MEDICAL AND DENTAL SPECIALISTS
	Medical Care
300	Medical Care and Treatment, General
301	Operating Room
302	Mental Care
303	Therapy

Code	DOD Occupation
------	----------------

304	Orthopedic
	Technical Medical Services
311	Laboratory
312	Pharmacy
313	Radiology
	Related Medical Services
321	Food Inspection and Veterinary Services
322	Preventive Medical Services
	Dental Care
330	Dental Care, General
331	Dental Laboratory

OTHER TECHNICAL AND ALLIED SPECIALISTS

	Photography
400	Photography, General
	Mapping, Surveying, Drafting, and Illustrating
411	Mapping
412	Surveying
413	Drafting
414	Illustrating
	Weather
420	Weather, General
	Ordnance Disposal and Diving
431	Explosive Ordnance Disposal/Underwater Demolition Team
433	Diver
	Musicians
450	Musicians, General
	Technical Specialists, N.E.C.
491	Physical Science Laboratory
492	Memorial Services and Embalming
493	Safety
494	Nuclear, Biological, Chemical Warfare Specialists
495	Firefighting and Damage Control
496	Other Technical Specialists and Assistants

FUNCTIONAL SUPPORT AND ADMINISTRATION

	Personnel
500	Personnel, General
501	Recruiting and Counseling
	Administration
510	Administration, General
511	Stenography
512	Legal
513	Medical

Code	DOD Occupation
	Clerical/Personnel
520	Combined Personnel and Administration, General
521	First Sergeants and Sergeants Major
	Data Processing
531	Operators/Analysts
532	Programmers
	Accounting, Finance and Disbursing
541	Auditing and Accounting
542	Disbursing
	Other Functional Support
551	Supply Administration
552	Unit Supply
553	Transportation
554	Postal
555	Aviation Maintenance Records and Reports
556	Flight Operations
557	Production and Quality Control
558	Functional Analysis
	Religious, Morale and Welfare
561	Chaplain's Assistant
562	Recreation and Welfare
	Information and Education
570	Information and Education, General
	ELECTRICAL/MECHANICAL EQUIPMENT REPAIRMEN
	Aircraft and Aircraft Related
600	Aircraft, General
601	Aircraft Engines
602	Aircraft Accessories
603	Aircraft Structures
604	Aircraft Launch Equipment
	Automotive
610	Automotive, General
611	Track Vehicle
612	Construction Equipment
	Wire Communications
620	Wire Communications, General
621	Linemen
622	Central Office
623	Interior Communications
	Missile Mechanical and Electrical
631	Missile Engine
632	Missile Mechanic
633	Missile Launch and Support Facilities

Code	DOD Occupation
	Armament and Munitions
640	Armament Maintenance, General
641	Small Arms Repair
642	Artillery Repair
643	Turret Repair
644	Nuclear Weapons Maintenance and Assembly
645	Ammunition Repair
646	Aviation ordnance
647	Mines and Degaussing
	Shipboard Propulsion
651	Main Propulsion
652	Auxiliaries
	Power Generating Equipment
661	Nuclear Power
662	Electric Power
	Precision Equipment
670	Precision Equipment, General
	Other Mechanical and Electrical Equipment
690	Other Mechanical and Electrical Equipment, General
	CRAFTSMEN
	Metalworking
700	Metalworking, General
701	Welding
702	Machinist
703	Sheetmetal
704	Metal Body Repair
	Construction
710	Construction, General
711	Steelworking
712	Woodworking
713	Construction Equipment Operation
	Utilities
720	Utilities, General
721	Electrician
	Lithography
740	Lithography
	Industrial Gas and Fuel Production
750	Industrial Gas and Fuel Production, General
	Fabric, Leather and Rubber
760	Fabric, Leather, and Rubber, General
	Other Craftsmen, N.E.C.
790	Other Craftsmen, N.E.C., General

