





National Occupations Classification System
Government Of St. Kitts and Nevis



ST. KITTS AND NEVIS

NATIONAL OCCUPATIONAL CLASSIFICATION SYSTEM

{SKN-NOCS - 2019}

Draft - Field Test Purpose Only

MANUAL

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PREFACE

As the economy of St. Kitts and Nevis continuously transforms and evolves to facilitate sustainable growth, development and economic diversification, the need for timely, relevant and accurate labour market information has become increasingly urgent.

Like its neighbouring countries of Barbados, Trinidad and Tobago and Jamaica, this labour-market information and intelligence has become a critical imperative for St. Kitts and Nevis, so as to identify both current and future labour-skills in alignment with existing and emerging occupational areas in the global market place.

The urgent need for this timely accurate and relevant statistical data prompted the recommendation for the development of a National Occupational Classification System to support the work of the Department of Labour in the twin-island Federation of St. Kitts and Nevis. While creating the framework to positively impact the ease of doing business and the management of human capital in the Federation of St. Kitts and Nevis

The St. Kitts and Nevis National Occupational Classification System (SKN-NOCS) has been designed to 'inform decision making in a demand-driven education and training system and contribute to effective planning of the St. Kitts and Nevis labour market. The SKN-NOCS reflects the existing labour market in St. Kitts and Nevis, the emerging trends in the labour market, the investment portfolio and projections, the future of jobs and global labour market trends.'

The St. Kitts and Nevis National Occupational Classification System includes a coded list of occupations in alignment with the International Standard Classification of Occupations 2008- (ISCO-2008) and provides a definition for each occupational area identified as well as an alphabetical index for easy reference by users.

The SKN-NOCS is the culmination of the Consultancy to 'Design, Develop and Deliver a National Occupational Classification for St. Kitts and Nevis' and involved consultations to identify respective occupational areas, and their verification and approval as listed in this publication, by the several stakeholders throughout the Federation.

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Ministry of Education

Ministry of Health (Community Based and Environmental Health)

Ministry of Public Infrastructure, Post, Urban Development and Transport

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Ministry of Tourism-St. Kitts

Ministry of Works and Public Utilities, Posts, Physical Planning, Natural Resources, Environment, Nevis Island Administration

National Bank

Nevis Air and Seaport Authority

SKELEC and NVLEC

St Kitts and Nevis Trades and Labour Union

St. Christopher Sea and Airport Authority

St. Kitts and Nevis Chamber of Commerce

TDC Financial Services

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INTRODUCTION

The SKN-NOCS classifies workers and jobs into occupational categories for the purpose of collecting, calculating, analysing, or disseminating data. Users of occupational data may include government, investors, program managers, industrial and labor relations practitioners, students considering career training, job seekers, career and employment counselors, educational institutions, and employers wishing to set employees employment terms or to evaluate resources required for a new facility, restructuring or retooling.

The implementation of the SKN-NOCS means that for the first time, all major occupational data sources produced by the Ministry of Labour statistical system provides information that are comparable, greatly improving the usefulness of the data.

The SKN-NOCS is designed to reflect the current occupational structure of St. Kitts and Nevis and it classifies all occupations in which work is performed for pay or profit. The SKN-NOCS covers all jobs in the national economy, including occupations in the public, private, and military sectors. Government agencies are strongly encouraged to use this national system to promote a common language for categorising and analysing occupations.

The system classifies all workers into one of several detailed occupations according to their occupational definition and or profile. To facilitate classification, detailed occupations are combined to form broad occupations, minor groups and major groups. Detailed occupations in the SKN-NOCS with similar job duties, and in some cases skills, education and /or training are grouped together.

The St. Kitts and Nevis National Occupational System Classification System (SKN-NOCS) Manual was created for the Department of Labour to help ensure correct occupational matches when creating training materials, job descriptions, qualifications and also providing information on how the occupational analysts classifies occupations into Major Economic Groups, Major Occupational Groups, Minor Occupational Groups, Broad Occupations and Detailed Occupations. This documentation on the classification of occupations reflects ongoing occupational analysis, statistical research and consultation with interested parties and active economic sectors to

incorporate information related to economic strategies, national development, the world of work and new occupation reflective of government policies and investment projections in St. Kitts and Nevis.

The SKN-NOCS is the nationally accepted sectorial framework of occupations in the labour market of St. Kitts and Nevis. The design and development activities were part of a collaborative tripartite relationship between Employment, Ministry of Labour in both St. Kitts and Nevis and interested parties. The tripartite approach to the design and development of the SKN-NOCS ensures that the system has a broad support from all ILO constituents. This methodology adopted for the design and development of the SKN-NOCS is in support of Tripartite Consultation which is based on the principle of tripartism which speaks to, dialogue and cooperation between government, employers, and workers in the formulation of standards and policies dealing with labour matters. (International Labour Standards) Convention, 1976 (No. 144).

Main Objectives of the SKN-NOCS

- an accessible, contemporary and relevant system for the reporting, comparison and exchange of statistical, sectorial and administrative information about occupations that can be useful for research as well as for specific decision-making and action oriented activities;
- a useful model for the development of national and regional classification of occupations in support of regional initiatives and to facilitate international communication;
- to facilitate a resilient approach towards the management of human resources, workforce development programmes and investment opportunities.

It is important to note that, although the SKN-NOCS is useful in facilitating the provision of standard information for decision making, strategic planning and critical analysis on occupational issues, SKN-NOCS is not a framework or tool for administrative regulation of occupations. The designations employed and the presentation of descriptive and definitional material in SKN-NOCS do not imply the expression of any opinion whatsoever on the part of the Department of Labour St. Kitts and Nevis, concerning the legal or regulatory status of any occupational group.

Classification Structure

The structure of the SKN-NOCS is based on the structure of the International Standard Classification of Occupations 2008 (ISCO-2008), which provides a system for classifying and aggregating occupational information. The SKN-NOCS classifies occupational information for statistical data and occupational analysis. The occupational data forming the SKN-NOCS is of critical importance for the provision of labour market skills and career intelligence, skills development, occupational foresighting, labour and demand analysis and numerous other programmes and services. The SKN-NOCS classification structure provides a standardised framework for organising the world of work in an accessible, manageable understandable and coherent system.

The framework used for the design and development of the SKN-NOCS is based on four (4) main concepts: The concept of occupation, the concept of job, the concept of skill and the concept of the skill level.

- Occupation refers to the kind of work performed in a job. The concept of occupation is defined as a “set of jobs whose main task and duties are characterized by high degree of similarity”. A person may be associated with an occupation through the main job currently held, a second job a future job or a job previously held.
- A job is defined in the ISOC-08 as “a set of task and duties performed, or meant to be performed, by one person, including for an employer or in self-employment”.
- Skill is defined as the ability to carry out the tasks or duties of a given job. For the purposes of ISCO-08, two dimensions of skill are used to arrange occupations into groups. These are skill level and skill specification.
- Skill level is defined as a function of the complexity and range of tasks and duties to be performed in an occupation.

The SKN-NOCS is a hierarchical classification system which divides the Major Economic Sectors into Major Occupational Groups, Minor Occupational Groups, Broad Occupations and Detailed Occupations. All workers are classified into one of several detailed occupations according to their occupational definition. To facilitate classification, detailed occupations are combined to form broad occupations, minor groups and major groups. Detailed occupations in the SKN-NOCS with similar job duties, and in some cases skills, education and /or training are grouped together.

Major Groups are the broadest grouping of occupations. They represent very general areas of economic activity and are a convenient means of grouping all occupations falling within these wide fields of work.

Minor Groups are a breakdown of Major Groups and also a collection of unit Groups. The groupings at this level are still fairly general.

Broad Occupational Groups are the most specific grouping of occupations. They are basic groups of occupations in which the main tasks are similar or have many similar characteristics.

Detailed Occupational Groups thus have occupational homogeneity and there is a closer relationship between occupations in the same group in terms of work performed than to occupations outside the group.

The relationship between the major group, minor group, broad occupational group and detailed occupational groups is hierarchical and divides the Major Economic Sectors into Major Occupational Groups, Minor Occupational Groups, Broad Occupations and Detailed Occupations as shown in Figure 1:

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Figure 1. Hierarchical Relationship of Occupational Groupings



DETAILED CLASSIFICATION STRUCTURE

Codes	Major Occupational Groupings
11-0000	Management Occupations
13-0000	Business and Financial Operations Occupations
15-0000	Computer, Information Technology and Mathematical Occupations
17-0000	Architecture and Engineering Occupations
19-0000	Life, Physical, and Social Science Occupations
21-0000	Community, Social and Public Service Occupations
23-0000	Legal Occupations
25-0000	Education, Training, and Library Occupations
27-0000	Arts, Design, Entertainment, Recreation, Sports, and Media Occupations
29-0000	Healthcare Practitioners and Technical Occupations
31-0000	Healthcare Support Occupations
33-0000	Protective, Public Safety, Security & Safety Service Occupations
35-0000	Food Preparation, Tourism, Hospitality and Serving Related Occupations
37-0000	Building, Grounds Cleaning and Property Maintenance Occupations
39-0000	Personal Care, Service and Related Trade Occupations
41-0000	Marketing, Promotions, Sales and Related Occupations
43-0000	Office and Administrative Support Occupations
45-0000	Agriculture, Agri-Business, Fishing, Environment Management and Landscaping Occupations
47-0000	Construction and Building Systems Occupations
49-0000	Metal Fabrication, Industrial Systems, Installation, Maintenance, Repair, Service and Related Trade Occupations
51-0000	Production, Food Processing, Plant and Manufacturing Occupations
53-0000	Transportation, Warehousing, Quarrying and Material Moving Occupations
55-0000	Military Specific Occupations
00-0000	Government Occupations

Major Group Aggregation 2

<u>Codes</u>	<u>Major Occupational Groupings</u>
11-13	Management, Business, Financial and Professional Occupations
15-19	Computer, Information Technology, Engineering, Science, Technicians and Associate Professional Occupations
21-27	Education, Legal, Community Social & Public Service, Arts, and Media Occupations
29	Healthcare Practitioners and Technical Occupations
31-39	Hospitality, Tourism, Personal Care, Maintenance Service and Related Trade Occupations
41	Marketing, Promotions, Sales and Related Occupations
43	Office, Clerical and Administrative Support Occupations
45	Agriculture, Fishing, and Forestry Occupations
47	Construction and Building Systems Occupations
49	Metal Fabrication, Industrial Systems, Installation, Maintenance, Repair, Service and Related Trades Occupations
51	Production, food Processing, Plant & Manufacturing Occupations
53	Transportation, Quarrying and Material Moving Occupations
55	Military Specific Occupations

Major Group Aggregation 3

<u>Codes</u>	<u>Major Occupational Groupings</u>
11-29	Management, Business, Science, Technical and Associate Professional Occupations
31-39	Hospitality, Tourism, Personal Care, Maintenance Service and Related Trade Occupations
41-43	Administrative, Marketing, Sales, Promotions and Clerical Occupations
45-49	Natural Resources, Agriculture, Fisheries, Construction, Building Systems, Metal Fabrication, Industrial Systems, Maintenance Occupations and Related Trades
51- 53	Production, Food processing, Plant, manufacturing, Transportation and Material Moving Occupations
55	Military Specific Occupations



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**DETAILED OCCUPATIONAL STRUCTURE BY MAJOR GROUPS: MINOR
GROUPS: BROAD GROUPS AND DETAILED OCCUPATIONS**

Major Group	Minor Group	Broad Group		Detailed Occupation
11-0000				Management Occupations
	11-1000			Top Executives
		11-1010		Chief Executives
			11-1011	Chief Executives
		11-1020		General and Operations Managers
			11-1021	General and Operations Managers
		11-1030		Legislators
			11-1031	Legislators
		11-1040		Senior Government Officials
			11-1041	Senior Government Officials
		11-1050		Senior Officials of Special Interest Organisations
			11-1051	Senior Officials of Special Interest Organisations
	11-2000			Advertising, Marketing, Promotions, Public Relations, and Sales Managers
		11-2010		Advertising and Promotions Managers
			11-2011	Advertising and Promotions Managers
		11-2020		Marketing and Sales Managers
			11-2021	Marketing Managers
			11-2022	Sales Managers
		11-2030		Public Relations and Fundraising Managers
			11-2032	Public Relations Managers
			1-2033	Fundraising Managers
	11-3000			Operations Specialties Managers
		11-3010		Administrative Services and Facilities Managers
			11-3012	Administrative Services Managers
			11-3013	Facilities Managers
		11-3020		Computer and Information Systems Managers

Major Group	Minor Group	Broad Group		Detailed Occupation
			11-3021	Computer and Information Systems Managers
		11-3030		Financial Managers
			11-3031	Financial Managers
		11-3050		Industrial Production Managers
			11-3051	Industrial Production Managers
		11-3060		Purchasing Managers
			11-3061	Purchasing Managers
		11-3070		Transportation, Storage, and Distribution Managers
			11-3071	Transportation, Storage, and Distribution Managers
		11-3110		Compensation and Benefits Managers
			11-3111	Compensation and Benefits Managers
		11-3120		Human Resources Managers
			11-3121	Human Resources Managers
		11-3130		Training and Development Managers
			11-3131	Training and Development Managers
	11-9000			Other Management Occupations
		11-9010		Farmers, and Other Agricultural Managers
			11-9013	Farmers, and Other Agricultural Managers
		11-9020		Construction Managers
			11-9021	Construction Managers
		11-9030		Education and Childcare Administrators
			11-9031	Education and Childcare Administrators, Preschool and Daycare
			11-9032	Education Administrators, Kindergarten through Secondary
			11-9033	Education Administrators, Postsecondary
			11-9039	Education Administrators, All Other

Major Group	Minor Group	Broad Group		Detailed Occupation
		11-9040		Architectural and Engineering Managers
			11-9041	Architectural and Engineering Managers
		11-9050		Food Service Managers
			11-9051	Food Service Managers
		11-9070		Entertainment and Recreation Managers
			11-9071	Gambling Managers
			11-9072	Entertainment and Recreation Managers, Except Gambling
		11-9080		Small Hotel & Guest House Managers
			11-9081	Small Hotel & Guest House Managers
		11-9110		Medical and Health Services Managers
			11-9111	Medical and Health Services Managers
		11-9120		Natural Sciences Managers
			11-9121	Natural Sciences Managers
		11-9130		Postmasters
		11-9040		Architectural and Engineering Managers
			11-9131	Postmasters
		11-9140		Property, Real Estate, and Community Association Managers
			11-9141	Property, Real Estate, and Community Association Managers
		11-9150		Social and Community Service Managers
			11-9151	Social and Community Service Managers
		11-9160		Emergency Management Managers
			11-9161	Emergency Management Managers
		11-9170		Personal Service Managers
			11-9171	Funeral Home Managers
			11-9179	Personal Service Managers, All Other
		11-9180		Port Operations Managers

Major Group	Minor Group	Broad Group		Detailed Occupation
			11-9181	Air Port managers, All Other
			11-9182	Sea Port Managers, All Other
		11-9190		Miscellaneous Managers
			11-9199	Managers, All Other
13-0000				Business and Financial Operations Occupations
	13-1000			Business Operations Specialists and Administration Professionals
		13-1010		Agents and Business Managers of Artists, Performers, and Athletes
			13-1011	Agents of Artists, Performers, and Athletes
			13-1012	Business Managers of Artists, Performers, and Athletes
		13-1020		Buyers and Purchasing Agents
			13-1021	Buyers and Purchasing Agents, Farm Products
			13-1022	Wholesale and Retail Buyers, Except Farm Products
			13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products
		13-1030		Claims Adjusters, Appraisers, Examiners, and Investigators
			13-1031	Claims Adjusters, Examiners, and Investigators
			13-1032	Insurance Appraisers, Auto Damage
		13-1040		Compliance Officers
			13-1041	Compliance Officers
			13-1042	Collections Officers
		13-1050		Cost Estimators and Investment Officers
			13-1051	Cost Estimators
				Investment Officers
		13-1070		Human Resources and Career Professionals
			13-1071	Human Resources Specialists / Officer
			13-1074	Farm Labor Contractors

Major Group	Minor Group	Broad Group		Detailed Occupation
			13-1075	Industrial Relations Officer
			13-1076	Career Advisors
			13-1077	Training Coordinator
		13-1080		Logisticians and Project Management Specialists
			13-1081	Logisticians / Planner
			13-1082	Project Management Specialists
		13-1110		Management Analysts
			13-1111	Management Analysts
			13-1112	Management Consultant
		13-1120		Meeting, Convention, and Event Planners
			13-1121	Meeting, Convention, and Event Planners
		13-1130		Fundraisers
			13-1131	Fundraisers
		13-1140		Compensation and Benefits Professionals
			13-1141	Compensation and Benefits officers
		13-1150		Training and Staff Development Officers
			13-1151	Training and Development Officers
		13-1160		Market Research Analysts and Marketing Specialists
			13-1161	Market Research Analysts
			13-1162	Marketing Specialists
		13-1190		Miscellaneous Business Operations Specialists
			13-1199	Business Operations Officers, All Other related professionals
	13-2000			Financial Specialists
		13-2010		Accountants and Auditors
			13-2011	General Accountants
			13-2012	Auditors
			13-2013	Chartered Accountants
			13-2014	Financial Auditors
		13-2020		Property Appraisers and Assessors

Major Group	Minor Group	Broad Group		Detailed Occupation
			13-2022	Appraisers of Personal and Business Property
			13-2023	Appraisers and Assessors of Real Estate
		13-2030		Budget Analysts
			13-2031	Budget Analysts
		13-2040		Credit and Loan Officers
			13-2041	Credit Analysts
			13-2042	Credit Officer
			13-2043	Credit Counselors
			13-2044	Loan Officers
		13-2050		Financial Analysts and Advisors
			13-2051	Financial and Investment Analysts
			13-2052	Personal Financial Advisors
			13-2053	Insurance Underwriters
			13-2054	Financial Risk Specialists
		13-2060		Financial Examiners
			13-2061	Financial Examiners
		13-2080		Tax Examiners, Collectors and Preparers, and Revenue Agents
			13-2081	Tax Examiners and Collectors
			13-2082	Tax Preparers
			13-2083	Revenue Agents
		13-2090		Miscellaneous Financial Specialists
			13-2099	Financial Professionals and Specialists, All other related
15-0000				Computer, Communications, Information Technology and Mathematical Occupations
	15-1200			Computer, Database and Networking Occupations
		15-1210		Computer and Information Technology Officers
			15-1211	Computer Systems Officer
			15-1212	Information Security Specialist
		15-1220		Computer and Information Research Scientists
			15-1221	Computer and Information Research Scientists

Major Group	Minor Group	Broad Group		Detailed Occupation
		15-1230		Computer Support Specialists
			15-1231	Computer Network Support Specialists
			15-1232	Computer User Support Specialists
		15-1240		Database and Network Administrators and Architects
			15-1241	Computer Network Architects
			15-1242	Database Administrators
			15-1243	Database Architects
			15-1244	Network and Computer Systems Administrators
		15-1250		Software and Web Developers, Programmers, and Testers
			15-1251	Computer Programmers
			15-1252	Software Developers
			15-1253	Software Quality Assurance Analysts and Testers
			15-1254	Web Developers
			15-1255	Web and Digital Interface Designers
		15-1290		Miscellaneous Computer Occupations
			15-1299	Computer Occupations, All Other
	15-2000			Mathematical Science Occupations
		15-2010		Actuaries
			15-2011	Actuaries
		15-2020		Mathematicians
			15-2021	Mathematicians
		15-2030		Data Research Analysts
			15-2031	Data Research Analysts
		15-2040		Statisticians
			15-2041	Statisticians
		15-2050		Project Analyst
			15-2051	Project Analyst
		15-2090		Miscellaneous Mathematical Science Occupations

Major Group	Minor Group	Broad Group		Detailed Occupation
			15-2099	Mathematical Science Occupations, All other related associate professionals
17-0000				Architecture and Engineering Occupations
	17-1000			Architects, Surveyors, and Cartographers
		17-1010		Architects, Except Naval
			17-1011	Architects, Except Landscape and Naval
			17-1012	Landscape Architects
		17-1020		Surveyors, Cartographers, and Photogrammetrists
			17-1021	Cartographers and Photogrammetrists
			17-1022	Surveyors
	17-2000			Engineers
		17-2010		Aerospace Engineers
			17-2011	Aerospace Engineers
		17-2020		Agricultural Engineers
			17-2021	Agricultural Engineers
		17-2030		Bioengineers and Biomedical Engineers
			17-2031	Bioengineers and Biomedical Engineers
		17-2040		Chemical Engineers
			17-2041	Chemical Engineers
		17-2050		Civil Engineers
		17-2060		Computer Hardware Engineers
			17-2061	Computer Hardware Engineers
		17-2070		Electrical and Electronics Engineers
			17-2071	Electrical Engineers
			17-2072	Electronics Engineers, Except Computer
		17-2080		Environmental Engineers
			17-2081	Environmental Engineers
		17-2110		Industrial Engineers, Including Health and Safety
			17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors

Major Group	Minor Group	Broad Group		Detailed Occupation
			17-2112	Industrial Engineers
		17-2120		Marine Engineers and Naval Architects
			17-2121	Marine Engineers and Naval Architects
		17-2130		Materials Engineers
			17-2131	Materials Engineers
		17-2140		Mechanical Engineers
		17-2060		Computer Hardware Engineers
			17-2141	Mechanical Engineers
		17-2150		Mining and Geological Engineers, Including Mining Safety Engineers
			17-2151	Mining and Geological Engineers, Including Mining Safety Engineers
		17-2160		Nuclear Engineers
			17-2161	Nuclear Engineers
		17-2170		Petroleum Engineers
			17-2171	Petroleum Engineers
		17-2190		Miscellaneous Engineers
			17-2199	Engineers, All Other
	17-3000			Drafters, Engineering Technicians, and Mapping Technicians
		17-3010		Drafters
			17-3011	Architectural and Civil Drafters
			17-3012	Electrical and Electronics Drafters
			17-3013	Mechanical Drafters
			17-3019	Drafters, All Other
		17-3020		Engineering Technologists and Technicians, Except Drafters
			17-3021	Aerospace Engineering and Operations Technologists and Technicians
			17-3022	Civil Engineering Technologists and Technicians
			17-3023	Electrical and Electronic Engineering Technologists and Technicians

Major Group	Minor Group	Broad Group		Detailed Occupation
			17-3024	Electro-Mechanical Technologists and Technicians
			17-3025	Environmental Engineering Technologists and Technicians

			17-3026	Industrial Engineering Technologists and Technicians
			17-3027	Mechanical Engineering Technologists and Technicians
			17-3028	Calibration Technologists and Technicians
			17-3029	Engineering Technologists and Technicians, Except Drafters, All Other
		17-3030		Surveying and Mapping Technicians
			17-3031	Surveying and Mapping Technicians
19-0000				Life, Physical, and Social Science Occupations
	19-1000			Life Scientists
		19-1010		Agricultural, Fisheries, Food Scientists and Advisors
			19-1011	Animal Scientists
			19-1012	Food Scientists and Technologists
			19-1013	Soil and Plant Scientists
			19-1014	Agricultural Advisors
			19-1015	Fisheries Advisors
			19-1016	Other Agricultural, Fisheries, Food Scientist and Advisors
		19-1020		Biological, Botanist, Zoologist and Related Professionals
			19-1021	Biochemists and Biophysicists
			19-1022	Microbiologists
			19-1023	Zoologists and Biologists
			19-1024	Marine Biologists
			19-1029	Biological Scientists and Professionals, All Other

Major Group	Minor Group	Broad Group		Detailed Occupation
		19-1030		Conservation and Environmental Professionals
			19-1031	Conservation Scientists / Conservationist
			19-1032	Landfill Supervisors
			19-1033	Waste Management Specialist
			19-1034	Environmental Officer /Analyst
			19-1035	Ecologist
			19-1034	Environmental Auditor
		19-1040		Medical Scientists
			19-1041	Epidemiologists
			19-1042	Medical Scientists, Except Epidemiologists
		19-1090		Miscellaneous Life Scientists
			19-1099	Life Scientists, All Other
	19-2000			Physical Scientists
		19-2010		Physicists
			19-2011	Physicists
		19-2020		Chemists and Materials Scientists
			19-2021	Chemists
		19-2030		Environmental Scientists and Geoscientists
			19-2031	Environmental Scientists and Specialists, Including Health
			19-2032	Geoscientists, Except Hydrologists and Geographers
			19-2033	Hydrologists
		19-2090		Miscellaneous Physical Scientists
			19-2099	Physical Scientists, All Other
	19-3000			Social Scientists and Related Workers
		19-3010		Economists
			19-3011	Economists
		19-3020		Survey Researchers
			19-3022	Survey Researchers

Major Group	Minor Group	Broad Group		Detailed Occupation
		19-3030		Psychologists
			19-3032	Organizational Psychologists
			19-3033	Clinical and Counseling Psychologists
			19-3034	School Psychologists
			19-3039	Psychologists, All Other
		19-3040		Sociologists
			19-3041	Sociologists
		19-3090		Miscellaneous Social Scientists and Related Workers
			19-3091	Anthropologists and Archeologists
			19-3092	Geographers
			19-3093	Historians
			19-3094	Political Scientists
			19-3095	Planners
			19-3099	Social Scientists and Related Workers, All Other
	19-4000			Life, Physical, and Social Science Technicians
		19-4010		Agricultural, Fisheries and Food Science Technicians
			19-4012	Agricultural Technicians
			19-4013	Food Science Technicians
		19-4020		Biological Technicians
			19-4021	Biological Technicians
		19-4030		Chemical Technicians
			19-4031	Chemical Technicians
		19-4040		Environmental Science and Geoscience Technicians
			19-4042	Environmental Science and Protection Technicians, Including Health
			19-4043	Geological Technicians, Except Hydrologic Technicians
			19-4044	Hydrologic Technicians
		19-4060		Social Science Research Assistants
			19-4061	Social Science Research Assistants
		19-4070		Conservation Technicians
			19-4071	Conservation Technicians

Major Group	Minor Group	Broad Group		Detailed Occupation
		19-4090		Miscellaneous Life, Physical, and Social Science Technicians
			19-4092	Forensic Technicians
			19-4099	Life, Physical, and Social Science Technicians, All Other
	19-5000			Occupational Health and Safety Specialists and Technicians
		19-5010		Occupational Health and Safety Specialists and Technicians
			19-5011	Occupational Health and Safety Specialists
			19-5012	Occupational Health and Safety Technicians
21-0000				Community, Social and Public Service Occupations
	21-1000			Counselors, Social Workers, and Other Community and Social Service Specialists
		21-1010		Counselors
			21-1011	Substance Abuse and Behavioral Disorder Counselors
			21-1012	Educational, Guidance, and Career Counselors and Advisors
			21-1013	Marriage and Family Therapists
			21-1014	Mental Health Counselors
			21-1015	Rehabilitation Counselors
			21-1019	Counselors, All Other
		21-1020		Social Workers
			21-1021	Child, Family, and School Social Workers
			21-1022	Healthcare Social Workers
			21-1023	Mental Health and Substance Abuse Social Workers
			21-1029	Social Workers, All Other
		21-1090		Miscellaneous Community and Social Service Specialists
			21-1091	Health Education Specialists

Major Group	Minor Group	Broad Group		Detailed Occupation
			21-1092	Probation Officers and Correctional Treatment Specialists
			21-1093	Social and Human Service Assistants
			21-1094	Community Health Workers
			21-1099	Community and Social Service Specialists, All Other
	21-2000			Religious Workers
		21-2010		Ministers, Clergy Elders and Priest
			21-2011	Ministers and Clergy
			21-2012	Priest
			21-2013	Rastafarian , Elders
		21-2020		Directors, Religious Activities and Education
			21-2021	Directors, Religious Activities and Education
		21-2090		Miscellaneous Religious Workers
			21-2099	Religious Workers, All Other
23-0000				Legal Occupations
	23-1000			Lawyers, Judges, and Related Workers
		23-1010		Lawyers and Judicial Law Clerks
			23-1011	Lawyers
			23-1012	Judicial Law Clerks
			23-1013	Legal Draftsman
			23-1014	Court Registrar
		23-1020		Judges, Magistrates, and Other Judicial Workers
			23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers
			23-1022	Arbitrators, Mediators, and Conciliators
			23-1023	Judges, Magistrate Judges, and Magistrates
				Judges, Court of Appeal and Supreme Courts
				Clerk of Courts
				Other Legal Professionals

Major Group	Minor Group	Broad Group		Detailed Occupation
	21-2000			Religious Workers
		21-2010		Clergy
			21-2011	Clergy
		21-2020		Directors, Religious Activities and Education
			21-2021	Directors, Religious Activities and Education
		21-2090		Miscellaneous Religious Workers
			21-2099	Religious Workers, All Other
23-0000				Legal Occupations
	23-1000			Lawyers, Judges, and Related Workers
		23-1010		Lawyers and Judicial Law Clerks
			23-1011	Lawyers
			23-1012	Judicial Law Clerks
		23-1020		Judges, Magistrates, and Other Judicial Workers
			23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers
			23-1022	Arbitrators, Mediators, and Conciliators
			23-1023	Judges, Magistrate Judges, and Magistrates
	23-2000			Legal Support Workers
		23-2010		Paralegals and Legal Assistants
			23-2011	Paralegals and Legal Assistants
		23-2090		Miscellaneous Legal Support Workers
			23-2093	Title Examiners, Abstractors, and Searchers
			23-2094	Bailiff
			23-2095	Justice of the Peace
			23-2099	Legal Support Workers, All Other
25-0000				Education, Training and Library Occupations

Major Group	Minor Group	Broad Group		Detailed Occupation
	25-1000			Educators and Teaching Professionals
		25-1010		University and Higher Education Educators
			25-1011	Professors
			25-1012	Lecturers
			25-1013	Assistant lecturers
			25-1014	University Tutor
		25-1020		Technical Vocational Education Teachers
			25-1021	Technical Vocational Education Teachers
			25-1022	Trainers
		25-1030		Secondary Education Teachers
			25-1031	Secondary Education Teachers
			25-1032	Teaching Assistants
		25-1040		Primary Education and Early Childhood Teachers
			25-1041	Primary Education Teachers
			25-1042	Early Childhood Education Teachers
			25-1043	Assistant Teachers
		25-1050		Education Methods Specialist
			25-1051	Education Methods Specialist
			25-1052	Education Officer
			25-1053	School Inspector
			25-1054	Literacy Specialist
			25-1055	Numeracy Specialist
		25-1060		Special Needs Teachers
			25-1061	Teacher Visually Impaired
			25-1062	Teacher Learning impaired
			25-1062	Teacher Special Needs
		25-1070		Other Specialist
			25-1071	Foreign Language Teachers
			25-1072	Music Teachers
			25-1073	Visual Arts Teachers
			25-1074	Performing Arts Teachers
			25-1075	Information Technology and Graphic Arts
			25-1076	Adult Literacy Teachers
			25-1077	Guidance Counsellors

			25-1078	Invigilator
			25-1099	All Other Support Staff
Major Group	Minor Group	Broad Group		Detailed Occupation
	25-2000			Librarians, Curators, and Archivists
		25-2010		Archivists, Curators, and Museum Technicians
			25-2011	Archivists
			25-2012	Curators
			25-2013	Museum Technicians and Conservators
		25-2020		Librarians and Media Collections Specialists
			25-2022	Librarians and Media Collections Specialists
		25-2030		Library Technicians
			25-2031	Library Technicians
	25-3000			Other Educational Instruction and Library Occupations
		25-3020		Farm and Home Management Educators
			25-3021	Farm and Home Management Educators
		25-3030		Instructional Coordinators
			25-3031	Instructional Coordinators
		25-3040		Teaching Assistants
			25-3042	Teaching Assistants, Preschool, Elementary, Middle, and Secondary School, Except Special Education
			25-3043	Teaching Assistants, Special Education
			25-3044	Teaching Assistants, Postsecondary
			25-3049	Teaching Assistants, All Other
		25-3090		Miscellaneous Educational Instruction and Library Workers
			25-3099	Educational Instruction and Library Workers, All Other
27-0000				Arts, Design, Entertainment, Recreation, Sports, and Media Occupations

	27-1000			Art and Design Workers
		27-1010		Artists and Related Workers
Major Group	Minor Group	Broad Group		Detailed Occupation
			27-1011	Art Directors
			27-1012	Craft Artists
			27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators
			27-1014	Special Effects Artists and Animators
			27-1019	Artists and Related Workers, All Other
		27-1020		Designers
			27-1021	Commercial and Industrial Designers
			27-1022	Fashion Designers
			27-1023	Floral Designers
			27-1024	Graphic Designers
			27-1025	Interior Designers
			27-1026	Merchandise Displayers and Window Trimmers
			27-1027	Set and Exhibit Designers
			27-1029	Designers, All Other
	27-2000			Entertainers and Performers, Sports and Related Workers
		27-2010		Actors, Producers, and Directors
			27-2011	Actors
			27-2012	Producers and Directors
		27-2020		Athletes, Coaches, Umpires, and Related Workers
			27-2021	Athletes and Sports Competitors
			27-2022	Coaches and Scouts
			27-2023	Umpires, Referees, and Other Sports Officials
		27-2030		Dancers and Choreographers
			27-2031	Dancers
			27-2032	Choreographers
		27-2040		Musicians, Singers, and Related Workers
			27-2041	Music Directors and Composers
			27-2042	Musicians and Singers

		27-2090		Miscellaneous Entertainers and Performers, Sports and Related Workers
Major Group	Minor Group	Broad Group		Detailed Occupation
			27-2091	Disc Jockeys, Except Radio
			27-2099	Entertainers and Performers, Sports and Related Workers, All Other
	27-3000			Media and Communication Workers
		27-3010		Broadcast Announcers and Radio Disc Jockeys
			27-3011	Broadcast Announcers and Radio Disc Jockeys
		27-3020		News Analysts, Reporters and Journalists
			27-3023	News Analysts, Reporters, and Journalists
		27-3030		Public Relations Specialists
			27-3031	Public Relations Specialists
		27-3040		Writers and Editors
			27-3041	Editors
			27-3042	Technical Writers
			27-3043	Writers and Editors
		27-3090		Miscellaneous Media and Communication Workers
			27-3091	Interpreters and Translators
			27-3092	Court Reporters
			27-3099	Media and Communication Workers, All Other
	27-4000			Media and Communication Equipment Workers
		27-4010		Broadcast, Sound, and Lighting Technicians
			27-4011	Audio and Video Technicians
			27-4012	Broadcast Technicians
			27-4014	Sound Engineering Technicians
			27-4015	Lighting Technicians
		27-4020		Photographers
			27-4021	Photographers
		27-4030		Television, Video, and Film Camera Operators and Editors
			27-4031	Camera Operators, Television, Video, and Film

			27-4032	Film and Video Editors
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Major Group	Minor Group	Broad Group		Detailed Occupation
		27-4090		Miscellaneous Media and Communication Equipment Workers
			27-4099	Media and Communication Equipment Workers, All Other
29-0000				Healthcare Practitioners and Technical Occupations
	29-1000			Healthcare Diagnosing or Treating Practitioners
		29-1010		Chiropractors
			29-1011	Chiropractors
		29-1020		Dentists
			29-1021	Dentists, General
			29-1022	Oral Surgeons
			29-1023	Orthodontists
			29-1024	Prosthodontists
			29-1029	Dentists, All Other Specialists
		29-1030		Dietitians and Nutritionists
			29-1031	Dietitians and Nutritionists
		29-1040		Optometrists
			29-1041	Optometrists
		29-1050		Pharmacists
			29-1051	Pharmacists
		29-1070		Physician Assistants
			29-1071	Physician Assistants
		29-1080		Podiatrists
			29-1081	Podiatrists
		29-1120		Therapists
			29-1122	Occupational Therapists
			29-1123	Physical Therapists
			29-1124	Radiation Therapists
			29-1125	Recreational Therapists
			29-1126	Respiratory Therapists
			29-1127	Speech-Language Pathologists
			29-1128	Exercise Physiologists
			29-1129	Therapists, All Other
		29-1130		Veterinarians
			29-1131	Veterinarians
		29-1140		Registered Nurses
			29-1141	Registered Nurses
		29-1150		Nurse Anesthetists
			29-1151	Nurse Anesthetists

		29-1160		Nurse Midwives
Major Group	Minor Group	Broad Group		Detailed Occupation
			29-1161	Nurse Midwives
		29-1170		Nurse Practitioners
			29-1171	Nurse Practitioners
		29-1180		Audiologists
			29-1181	Audiologists
		29-1210		Physicians
			29-1211	Anesthesiologists
			29-1212	Cardiologists
			29-1213	Dermatologists
			29-1214	Emergency Medicine Physicians
			29-1215	Family Medicine Physicians
			29-1216	General Internal Medicine Physicians
			29-1217	Neurologists
			29-1218	Obstetricians and Gynecologists
			29-1221	Pediatricians, General
			29-1222	Physicians, Pathologists
			29-1223	Psychiatrists
			29-1224	Radiologists
			29-1229	Physicians, All Other
		29-1240		Surgeons
			29-1241	Ophthalmologists, Except Pediatric
			29-1242	Orthopedic Surgeons, Except Pediatric
			29-1243	Pediatric Surgeons
			29-1249	Surgeons, All Other
		29-1290		Miscellaneous Healthcare Diagnosing or Treating Practitioners
			29-1291	Acupuncturists
			29-1292	Dental Hygienists and Dental Assistant
			29-1299	Healthcare Diagnosing or Treating Practitioners, All Other
	29-2000			Health Technologists and Technicians
		29-2010		Clinical Laboratory Technologists and Technicians

			29-2011	Medical and Clinical Laboratory Technologists
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Major Group	Minor Group	Broad Group		Detailed Occupation
			29-2012	Medical and Clinical Laboratory Technicians
		29-2030		Diagnostic Related Technologists and Technicians
			29-2031	Cardiovascular Technologists and Technicians
			29-2032	Diagnostic Medical Sonographers
			29-2033	Radiologic Technologists and Technicians
			29-2034	Magnetic Resonance Imaging Technologists
		29-2040		Emergency Medical Technicians and Paramedics
			29-2042	Emergency Medical Technicians
			29-2043	Paramedics
		29-2050		Health Practitioner Support Technologists and Technicians
			29-2051	Dietetic Technicians
			29-2052	Pharmacy Technicians
			29-2053	Psychiatric Technicians
			29-2055	Surgical Technologists
			29-2056	Veterinary Technologists, Technicians and Assistants
		29-2060		Licensed Practical and Licensed Vocational Nurses
			29-2061	Licensed Practical and Licensed Vocational Nurses
		29-2070		Medical Records Specialists
			29-2072	Medical Records Specialists
		29-2080		Opticians, Dispensing
			29-2081	Opticians, Dispensing
		29-2090		Miscellaneous Health Technologists and Technicians
			29-2091	Physiotherapy Technician
			29-2092	Massage Therapist
			29-2093	Environmental Health officer

			29-2099	Health Technologists and Technicians, All Other
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Major Group	Minor Group	Broad Group		Detailed Occupation
		29-9020		Health Information Technologists and Medical Registrars
			29-9021	Health Information Technologists and Medical Registrars
		29-9090		Miscellaneous Health Practitioners and Technical Workers
			29-9091	Genetic Counselors
			29-9092	Surgical Assistants
			29-9099	Healthcare Practitioners and Technical Workers, All Other
31-0000				Healthcare Support Occupations
	31-1000			Home Health and Personal Care Aides; and Nursing Assistants, Orderlies, and Psychiatric Aides
		31-1010		Home Health and Personal Care Aides
			31-1011	Home Health Aides
			31-1012	Personal Care Aides
		31-1020		Nursing Assistants, Orderlies, and Psychiatric Aides
			31-1021	Nursing Assistants
			31-1022	Orderlies
			31-1023	Psychiatric Aides
	31-2000			Occupational Therapy and Physical Therapist Assistants and Aides
		31-2010		Occupational Therapy Assistants and Aides
			31-2011	Occupational Therapy Assistants
			31-2012	Occupational Therapy Aides
		31-2020		Physical Therapist Assistants and Aides
			31-2021	Physical Therapist Assistants
			31-2022	Physical Therapist Aides
	31-9000			Other Healthcare Support Occupations
		31-9010		Massage Therapists
			31-9011	Massage Therapists

Major Group	Minor Group	Broad Group		Detailed Occupation
		31-9090		Miscellaneous Healthcare Support Occupations
			31-9091	Dental Assistants
			31-9092	Medical Assistants
			31-9093	Medical Equipment Preparers
			31-9094	Medical Transcriptionists
			31-9095	Pharmacy Aides
			31-9096	Veterinary Assistants and Laboratory Animal Caretakers
			31-9097	Phlebotomists
			31-9099	Healthcare Support Workers, All Other
33-0000				Protective, Public Safety & Security Service Occupations
	33-1000			Supervisors of Protective Service Workers
		33-1010		First-Line Supervisors of Law Enforcement Workers
			33-1011	First-Line Supervisors of Correctional Officers
			33-1012	First-Line Supervisors of Police and Detectives
		33-1020		First-Line Supervisors of Firefighting and Prevention Workers
			33-1021	First-Line Supervisors of Firefighting and Prevention Workers
		33-1090		Miscellaneous First-Line Supervisors, Protective Service Workers
			33-1091	First-Line Supervisors of Security Workers
			33-1099	First-Line Supervisors of Protective Service Workers, All Other
	33-2000			Firefighting and Prevention Workers
		33-2010		Firefighters
			33-2011	Firefighters
		33-2020		Fire Inspectors
			33-2021	Fire Inspectors and Investigators

Major Group	Minor Group	Broad Group		Detailed Occupation
	33-3000			Law Enforcement Workers
		33-3010		Correctional Officer
			33-3011	Correctional Officers
		33-3020		Detectives and Criminal Investigators
			33-3021	Detectives and Criminal Investigators
		33-3030		Fish and Game Wardens
			33-3031	Fish and Game Wardens
		33-3040		Traffic Wardens
			33-3041	Traffic Wardens
		33-3050		Police Officers
			33-3051	Police Patrol Officers
			33-3052	Traffic Police Officers
	33-9000			Other Protective Service Workers
		33-9010		Animal Control Workers
			33-9011	Animal Control Workers
		33-9020		Private Detectives and Investigators
			33-9021	Private Detectives and Investigators
		33-9030		Security Guards and Gambling Surveillance Officers
			33-9031	Gambling Surveillance Officers and Gambling Investigators
			33-9032	Security Guards
		33-9090		Miscellaneous Protective Service Workers
			33-9091	Crossing Guards and Flag men
			33-9092	Lifeguards and Other Recreational Protective Service Workers
			33-9093	Air Port Security Screeners
			33-9099	Protective Service Workers, All Other

Major Group	Minor Group	Broad Group		Detailed Occupation
35-0000				Food Preparation, Hospitality, Tourism and Serving Related Occupations
	35-1000			Supervisors of Food Preparation and Serving Workers
		35-1010		Supervisors of Food Preparation and Serving Workers
			35-1011	Chefs and Head Cooks
			35-1012	First-Line Supervisors of Food Preparation and Serving Workers
	35-2000			Cooks and Food Preparation Workers
		35-2010		Cooks
			35-2011	Cooks, Fast Food
			35-2012	Cooks, Institution and Cafeteria
			35-2013	Cooks, Private Household
			35-2014	Cooks, Restaurant
			35-2015	Cooks, Short Order
			35-2019	Cooks, All Other
		35-2020		Food Preparation Workers
			35-2021	Food Preparation Workers
	35-3000			Food and Beverage Serving Workers
		35-3010		Bartenders
			35-3011	Bartenders
		35-3020		Fast Food and Counter Workers
			35-3023	Fast Food and Counter Workers
		35-3030		Waiters and Waitresses
			35-3031	Waiters and Waitresses
		35-3040		Food Servers, Non-restaurant
			35-3041	Food Servers, Non-restaurant
	35-9000			Other Food Preparation and Serving Related Workers
		35-9010		Dining Room and Cafeteria Attendants and Bartender Helpers

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Major Group	Minor Group	Broad Group		Detailed Occupation
			35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers
		35-9020		Dishwashers
			35-9021	Dishwashers
		35-9030		Hosts and Hostesses, Restaurant and Lounge
			35-9031	Hosts and Hostesses, Restaurant and Lounge
		35-9090		Miscellaneous Food Preparation and Serving Related Workers
			35-9099	Food Preparation and Serving Related Workers, All Other
37-0000				Building and Grounds Cleaning and Property Maintenance Occupations
	37-1000			Supervisors of Building and Grounds Cleaning and Property Maintenance Workers
		37-1010		First-Line Supervisors of Building and Grounds Cleaning and Property Maintenance Workers
			37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers
			37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Grounds keeping Workers
	37-2000			Building Cleaning and Pest Control Workers
		37-2010		Building Cleaning Workers
			37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners
			37-2012	Maids and Housekeeping Cleaners
			37-2019	Building Cleaning Workers, All Other
		37-2020		Pest Control Workers
			37-2021	Pest Control Workers

Major Group	Minor Group	Broad Group		Detailed Occupation
	37-3000			Grounds Maintenance Workers
		37-3010		Grounds Maintenance Workers
			37-3011	Landscaping and Grounds keeping Workers
			37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation
			37-3013	Tree Trimmers and Pruners
			37-3019	Grounds Maintenance Workers, All Other
39-0000				Personal Care Service and related trade Occupations
	39-1000			Supervisors of Personal Care and Service Workers
		39-1010		First-Line Supervisors of Entertainment and Recreation Workers
			39-1013	First-Line Supervisors of Gambling Services Workers
			39-1014	First-Line Supervisors of Entertainment and Recreation Workers, Except Gambling Services
		39-1020		First-Line Supervisors of Personal Service Workers
			39-1022	First-Line Supervisors of Personal Service Workers
	39-2000			Animal Care and Service Workers
		39-2010		Animal Trainers
			39-2011	Animal Trainers
		39-2020		Animal Caretakers
			39-2021	Animal Caretakers
	39-3000			Entertainment Attendants and Related Workers
		39-3010		Gambling Services Workers
			39-3011	Gambling Dealers
			39-3012	Gambling and Sports Book Writers and Runners
			39-3019	Gambling Service Workers, All Other
		39-3020		Motion Picture Projectionists

			39-3021	Motion Picture Projectionists
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Major Group	Minor Group	Broad Group		Detailed Occupation
		39-3030		Ushers, Lobby Attendants, and Ticket Takers
			39-3031	Ushers, Lobby Attendants, and Ticket Takers
		39-3090		Miscellaneous Entertainment Attendants and Related Workers
			39-3091	Amusement and Recreation Attendants
			39-3092	Costume Attendants
			39-3093	Make up artist Dressing Room Attendants
			39-3099	Entertainment Attendants and Related Workers, All Other
	39-4000			Funeral Service Workers
		39-4010		Embalmers and Crematory Operators
			39-4011	Embalmers
			39-4012	Crematory Operators
		39-4020		Funeral Attendants
			39-4021	Funeral Attendants
		39-4030		Morticians, Undertakers, and Funeral Arrangers
			39-4031	Morticians, Undertakers, and Funeral Arrangers
	39-5000			Personal Appearance Workers
		39-5010		Barbers, Hairdressers, Hairstylists and Cosmetologists
			39-5011	Barbers
			39-5012	Hairdressers, Hairstylists, and Cosmetologists
		39-5090		Miscellaneous Personal Appearance Workers
			39-5091	Makeup Artists, Theatrical and Performance
			39-5092	Manicurists and Pedicurists
			39-5094	Skincare Specialists
	39-6000			Baggage Porters, Bellhops, and Concierges
		39-6010		Baggage Porters, Bellhops, and Concierges

Major Group	Minor Group	Broad Group		Detailed Occupation
			39-6011	Baggage Porters and Bellhops
			39-6012	Concierges
	39-7000			Tour and Travel Guides
		39-7010		Tour and Travel Guides
			39-7011	Tour Guides and Escorts
			39-7012	Travel Guides
	39-9000			Other Personal Care and Service Workers
		39-9010		Childcare Workers
			39-9011	Childcare Workers
		39-9030		Recreation and Fitness Workers
			39-9031	Exercise Trainers and Group Fitness Instructors
			39-9032	Recreation Workers
		39-9040		Residential Advisors
			39-9041	Residential Advisors
		39-9090		Miscellaneous Personal Care and Service Workers
			39-9099	Personal Care and Service Workers, All Other
41-0000				Marketing, Promotion, Sales and Related Occupations
	41-1000			Supervisors of Sales Workers
		41-1010		First-Line Supervisors of Marketing, Promotion and Sales Workers
			41-1011	First-Line Supervisors of Marketing, Promotion and Sales Workers
			41-1012	First-Line Supervisors of Non-Retail Sales Workers
	41-2000			Retail Sales Workers
		41-2010		Cashiers
			41-2011	Cashiers
			41-2012	Gambling Change Persons and Booth Cashiers
		41-2020		Counter and Rental Clerks and Parts Salespersons
			41-2021	Counter and Rental Clerks
			41-2022	Parts Salespersons
		41-2030		Retail Salespersons

			41-2031	Retail Salespersons
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Major Group	Minor Group	Broad Group		Detailed Occupation
	41-3000			Sales Representatives, Services
		41-3010		Advertising Sales Agents
			41-3011	Advertising Sales Agents
		41-3020		Insurance Sales Agents
			41-3021	Insurance Sales Agents
		41-3030		Securities, Commodities, and Financial Services Sales Agents
			41-3031	Securities, Commodities, and Financial Services Sales Agents
		41-3040		Travel Agents
			41-3041	Travel Agents
		41-3090		Miscellaneous Sales Representatives, Services
			41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel
	41-4000			Marketing, Promotion and Sales Representatives, Wholesale and Manufacturing
		41-4010		Sales Representatives, Wholesale and Manufacturing
			41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
			41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products
	41-9000			Other Sales and Related Workers
		41-9010		Models, Demonstrators, and Product Promoters
			41-9011	Demonstrators and Product Promoters
			41-9012	Models

Major Group	Minor Group	Broad Group		Detailed Occupation
		41-9020		Real Estate Brokers and Sales Agents
			41-9021	Real Estate Brokers
			41-9022	Real Estate Sales Agents
		41-9030		Sales Engineers
			41-9031	Sales Engineers
		41-9040		Telemarketers
			41-9041	Telemarketers
		41-9090		Miscellaneous Sales and Related Workers
			41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers
			41-9099	Sales and Related Workers, All Other
43-0000				Office and Administrative Support Occupations
	43-1000			Supervisors of Office and Administrative Support Workers
		43-1010		First-Line Supervisors of Office and Administrative Support Workers
			43-1011	First-Line Supervisors of Office and Administrative Support Workers
	43-2000			Communications Equipment Operators
		43-2010		Switchboard Operators, Including Answering Service
			43-2011	Switchboard Operators, Including Answering Service
		43-2020		Telephone Operators
			43-2021	Telephone Operators
		43-2090		Miscellaneous Communications Equipment Operators
			43-2099	Communications Equipment Operators, All Other
	43-3000			Financial Clerks
		43-3010		Bill and Account Collectors
			43-3011	Bill and Account Collectors
		43-3020		Billing and Posting Clerks
			43-3021	Billing and Posting Clerks

Major Group	Minor Group	Broad Group		Detailed Occupation
		43-3030		Bookkeeping, Accounting, and Auditing Clerks
			43-3031	Bookkeeping, Accounting, and Auditing Clerks
		43-3040		Gambling Cage Workers
			43-3041	Gambling Cage Workers
		43-3050		Payroll and Timekeeping Clerks
			43-3051	Payroll and Timekeeping Clerks
		43-3060		Procurement Clerks
			43-3061	Procurement Clerks
		43-3070		Tellers
			43-3071	Tellers
		43-3090		Miscellaneous Financial Clerks
			43-3099	Financial Clerks, All Other
	43-4000			Information and Record Clerks
		43-4010		Brokerage Clerks
			43-4011	Brokerage Clerks
		43-4020		Correspondence Clerks
			43-4021	Correspondence Clerks
		43-4030		Court, Municipal, and License Clerks
			43-4031	Court, Municipal, and License Clerks
		43-4040		Credit Authorizers, Checkers, and Clerks
			43-4041	Credit Authorizers, Checkers, and Clerks
		43-4050		Customer Service Representatives
			43-4051	Customer Service Representatives
		43-4060		Eligibility Interviewers, Government Programs
			43-4061	Eligibility Interviewers, Government Programs
		43-4070		File Clerks
			43-4071	File Clerks
		43-4080		Hotel, Motel, and Resort Desk Clerks
			43-4081	Hotel, Motel, and Resort Desk Clerks

Major Group	Minor Group	Broad Group		Detailed Occupation
		43-4110		Interviewers, Except Eligibility and Loan
			43-4111	Interviewers, Except Eligibility and Loan
		43-4120		Library Assistants, Clerical
			43-4121	Library Assistants, Clerical
		43-4130		Loan Interviewers and Clerks
			43-4131	Loan Interviewers and Clerks
		43-4140		New Accounts Clerks
			43-4141	New Accounts Clerks
		43-4150		Order Clerks
			43-4151	Order Clerks
		43-4160		Human Resources Assistants, Except Payroll and Timekeeping
			43-4161	Human Resources Assistants, Except Payroll and Timekeeping
		43-4170		Receptionists and Information Clerks
			43-4171	Receptionists and Information Clerks
		43-4180		Reservation and Transportation Ticket Agents and Travel Clerks
			43-4181	Reservation and Transportation Ticket Agents and Travel Clerks
		43-4190		Miscellaneous Information and Record Clerks
			43-4199	Information and Record Clerks, All Other
	43-5000			Material Recording, Scheduling, Dispatching, and Distributing Workers
		43-5010		Cargo and Freight Agents
			43-5011	Cargo and Freight Agents
		43-5020		Couriers and Messengers
			43-5021	Couriers and Messengers
		43-5030		Dispatchers
			43-5031	Public Safety Telecommunicators
			43-5032	Dispatchers, Except Police, Fire, and Ambulance

Major Group	Minor Group	Broad Group		Detailed Occupation
		43-5040		Meter Readers, Utilities
			43-5041	Meter Readers, Utilities
		43-5050		Postal Service Workers
			43-5051	Postal Service Clerks
			43-5052	Postal Service Mail Carriers
			43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators
		43-5060		Production, Planning, and Expediting Clerks
			43-5061	Production, Planning, and Expediting Clerks
		43-5070		Shipping, Receiving, and Inventory Clerks
			43-5071	Shipping, Receiving, and Inventory Clerks
		43-5110		Tallying, Weighers, Measurers, Checkers, and Samplers, Recordkeeping
			43-5111	Tallying, Weighers, Measurers, Checkers, and Samplers, Recordkeeping
	43-6000			Secretaries and Administrative Assistants
		43-6010		Secretaries and Administrative Assistants
			43-6011	Executive Secretaries and Executive Administrative Assistants
			43-6012	Legal Secretaries and Administrative Assistants
			43-6013	Medical Secretaries and Administrative Assistants
			43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
	43-9000			Other Office and Administrative Support Workers
		43-9020		Data Entry and Information Processing Workers
			43-9021	Data Entry Keyers
			43-9022	Word Processors and Typists

Major Group	Minor Group	Broad Group		Detailed Occupation
		43-9030		Desktop Publishers
			43-9031	Desktop Publishers
		43-9040		Insurance Claims and Policy Processing Clerks
			43-9041	Insurance Claims and Policy Processing Clerks
		43-9050		Mail Clerks and Mail Machine Operators, Except Postal Service
			43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service
		43-9060		Office Clerks, General
			43-9061	Office Clerks, General
		43-9070		Office Machine Operators, Except Computer
			43-9071	Office Machine Operators, Except Computer
		43-9080		Proofreaders and Copy Markers
			43-9081	Proofreaders and Copy Markers
		43-9110		Statistical Assistants and Documentation Specialist
			43-9111	Statistical Assistants
			43-9112	Documentation Specialist
		43-9190		Miscellaneous Office and Administrative Support Workers
			43-9199	Office and Administrative Support Workers, All Other
45-0000				Agriculture, Agri-Business, Fishing, Environment Management and Landscaping Occupations
	45-1000			Supervisors of Agriculture, Agri-Business, Fishing, Environment Management and Landscaping Workers
		45-1010		First-Line Supervisors of Agriculture, Agri-Business, Fishing, Environment Management and Landscaping Workers

Major Group	Minor Group	Broad Group		Detailed Occupation
			45-1011	First-Line Supervisors of Agriculture, Agri-Business, Fishing, Environment Management and Landscaping Workers
	45-2000			Agricultural Workers
		45-2010		Agricultural Inspectors
			45-2011	Agricultural Inspectors
		45-2020		Animal Breeders
			45-2021	Animal Breeders
		45-2040		Graders and Sorters, Agricultural Products
			45-2041	Graders and Sorters, Agricultural Products
		45-2090		Miscellaneous Agricultural Workers
			45-2091	Agricultural Equipment Operators
			45-2092	Farm workers and Laborers, Crop, Nursery, and Greenhouse
			45-2093	Farmworkers, Farm, and Aqua-cultural Animals
			45-2094	Field Crop and Vegetable Growers
			45-2095	Tree and Shrub Growers
			45-2096	Gardeners, Horticultural and Nursery Growers
			45-2097	Mixed Crop Growers
			45-2099	Agricultural Workers, All Other
	45-3000			Fishing Workers
		45-3030		Fishing and Hunting Workers
			45-3031	Aquaculture Workers
			45-3032	Inland and Coastal Waters Fishery workers
			45-3033	Deep Sea Fishing Workers
			45-3034	Hunters and Trappers
	45-4000			Conservation, Environmental & Related Workers
		45-4010		Conservation Workers
			45-4011	Conservation Workers
			45-4012	Environmental Workers
			45-4013	Wardens, All Other

Major Group	Minor Group	Broad Group		Detailed Occupation
47-0000				Construction and Building Systems Occupations
	47-1000			Supervisors of Construction and Building Systems Workers
		47-1010		First-Line Supervisors of Construction Trades and Building System Workers
			47-1011	First-Line Supervisors of Construction Trades and Building System Workers
	47-2000			Construction Trades Workers
		47-2010		Boilermakers
			47-2011	Boilermakers
		47-2020		Brick-masons, Block-masons, and Stonemasons
			47-2021	Brick-masons and Block-masons
			47-2022	Stone-masons
		47-2030		Carpenters
			47-2031	Carpenters
		47-2040		Carpet, Floor, and Tile Installers and Finishers
			47-2041	Carpet Installers
			47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles
			47-2043	Floor Sanders and Finishers
			47-2044	Tile and Stone Setters
		47-2050		Cement Masons, Concrete Finishers, and Terrazzo Workers
			47-2051	Cement Masons and Concrete Finishers
			47-2053	Terrazzo Workers and Finishers
			47-2054	Tillers and Finishers
		47-2060		Construction Laborers
			47-2061	Construction Laborers
		47-2070		Construction Equipment Operators
			47-2071	Paving, Surfacing, and Equipment Operators
			47-2072	Pile Driver Operators

Major Group	Minor Group	Broad Group		Detailed Occupation
			47-2073	Operating Engineers and Other Construction Equipment Operators
		47-2080		Drywall Installer and Ceiling Tile Installers
			47-2081	Drywall and Ceiling Tile Installers
		47-2110		Electricians
			47-2111	Electricians
		47-2120		Insulation Workers
			47-2121	Insulation Workers, Floor, Ceiling, and Wall
			47-2122	Insulation Workers, Mechanical
		47-2130		Painters and Paperhangers
			47-2131	Painters, Construction and Maintenance
			47-2132	Paperhangers
		47-2140		Pipe layers, Plumbers, Pipefitters, & Steamfitters
			47-2141	Pipe layers
			47-2142	Plumbers, Pipefitters, and Steamfitters
		47-2150		Plasterers and Stucco Masons
			47-2151	Plasterers and Stucco Masons
		47-2160		Reinforcing Iron and Rebar Workers
			47-2161	Reinforcing Iron and Rebar Workers
		47-2170		Roofers
			47-2171	Roofers
		47-2210		Sheet Metal Workers
			47-2211	Sheet Metal Workers
		47-2220		Structural Iron and Steel Workers
			47-2221	Structural Iron and Steel Workers
		47-2230		Solar Photovoltaic Installers
			47-2231	Solar Photovoltaic Installers
	47-3000			Helpers, Construction Trades
		47-3010		Helpers, Construction Trades

Major Group	Minor Group	Broad Group		Detailed Occupation
			47-3011	Helpers, Brick masons, Block masons, Stonemasons, and Tile and Marble Setters
			47-3012	Helpers--Carpenters
			47-3013	Helpers--Electricians
			47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons
			47-3015	Helpers—Pipe layers, Plumbers, Pipefitters, and Steamfitters
			47-3016	Helpers--Roofers
			47-3019	Helpers, Construction Trades, All Other
	47-4000			Other Construction and Related Workers
		47-4010		Construction and Building Inspectors
			47-4011	Construction and Building Inspectors
		47-4020		Elevator and Escalator Installers and Repairers
			47-4021	Elevator and Escalator Installers and Repairers
		47-4030		Fence Erectors
			47-4031	Fence Erectors
		47-4040		Hazardous Materials Removal Workers
			47-4041	Hazardous Materials Removal Workers
		47-4050		Highway Maintenance Workers
			47-4051	Highway Maintenance Workers
		47-4060		Rail-Track Laying and Maintenance Equipment Operators
			47-4061	Rail-Track Laying and Maintenance Equipment Operators
		47-4070		Septic Tank Servicers and Sewer Pipe Cleaners
			47-4071	Septic Tank Servicers and Sewer Pipe Cleaners

		47-4090		Miscellaneous Construction and Related Workers
Major Group	Minor Group	Broad Group		Detailed Occupation
			47-4091	Segmental Pavers
			47-4099	Construction and Related Workers, All Other
	47-5000			Building System Workers
		47-5010		Air Conditioning, Ventilation and Refrigeration Workers
			47-5011	Air Conditioning Technicians
			47-5012	Refrigeration technicians
			47-5013	Ventilation installers
		47-5020		Building frame and related trade workers
			47-5022	Scaffolder
			47-5023	Demolition workers
			47-5024	Other Building Frame and Related Trade Workers
		47-5050		Rock Splitters, Quarry
			47-5051	Rock Splitters, Quarry
		47-5080		Helpers--Extraction Workers
			47-5081	Helpers--Extraction Workers
			47-5099	Building system Workers, All Other
49-0000				Metal fabrication, Industrial Systems, Installation, Maintenance, Repair, Service and Related Trade Occupations
	49-1000			Supervisors of Installation, Maintenance, and Repair Workers
		49-1010		First-Line Supervisors of Mechanics, Installers, and Repairers
			49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers
	49-2000			Electrical and Electronic Equipment Mechanics, Installers, and Repairers
		49-2010		Computer, Automated Teller, and Office Machine Repairers

			49-2011	Computer, Automated Teller, and Office Machine Repairers
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Major Group	Minor Group	Broad Group		Detailed Occupation
		49-2020		Radio and Telecommunications Equipment Installers and Repairers
			49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers
			49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers
		49-2090		Miscellaneous Electrical and Electronic Equipment Mechanics, Installers, and Repairers
			49-2091	Avionics Technicians
			49-2092	Electric Motor, Power Tool, and Related Repairers
			49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment
			49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment
			49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay
			49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles
			49-2097	Audiovisual Equipment Installers and Repairers
			49-2098	Security and Fire Alarm Systems Installers
	49-3000			Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
		49-3010		Aircraft Mechanics and Service Technicians
			49-3011	Aircraft Mechanics and Service Technicians

		49-3020		Automotive Technicians and Repairers
			49-3021	Automotive Body, Painting and Related Repairers

Major Group	Minor Group	Broad Group		Detailed Occupation
			49-3022	Automotive Glass Installers and Repairers
			49-3023	Automotive Service Technicians and Mechanics
		49-3030		Bus and Truck Mechanics and Diesel Engine Specialists
			49-3031	Bus and Truck Mechanics and Diesel Engine Specialists
		49-3040		Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics
			49-3041	Farm Equipment Mechanics and Service Technicians
			49-3042	Mobile Heavy Equipment Mechanics, Except Engines
			49-3043	Rail Car Repairers
		49-3050		Small Engine Mechanics
			49-3051	Motorboat Mechanics and Service Technicians
			49-3052	Motorcycle Mechanics
			49-3053	Outdoor Power Equipment and Other Small Engine Mechanics
		49-3090		Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
			49-3091	Bicycle Repairers
			49-3092	Recreational Vehicle Service Technicians
			49-3093	Tire Repairers and Changers
	49-9000			Other Installation, Maintenance, and Repair Occupations
		49-9010		Control and Valve Installers and Repairers
			49-9011	Mechanical Door Repairers
			49-9012	Control and Valve Installers and Repairers, Except Mechanical Door

		49-9020		Heating, Air Conditioning, and Refrigeration Mechanics and Installers
Major Group	Minor Group	Broad Group		Detailed Occupation
			49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers
		49-9030		Home Appliance Repairers
			49-9031	Home Appliance Repairers
		49-9040		Industrial Machinery Installation, Repair, and Maintenance Workers
			49-9041	Industrial Machinery Mechanics
			49-9043	Maintenance Workers, Machinery
			49-9044	Millwrights
			49-9045	Refractory Materials Repairers, Except Brick masons
		49-9050		Line Installers and Repairers
			49-9051	Electrical Power-Line Installers and Repairers
			49-9052	Telecommunications Line Installers and Repairers
		49-9060		Precision Instrument and Equipment Repairers
			49-9061	Camera and Photographic Equipment Repairers
			49-9062	Medical Equipment Repairers
			49-9063	Musical Instrument Repairers and Tuners
			49-9064	Watch and Clock Repairers
			49-9069	Precision Instrument and Equipment Repairers, All Other
		49-9070		Maintenance and Repair Workers, General
			49-9071	Maintenance and Repair Workers, General
		49-9080		Wind Turbine Service Technicians
			49-9081	Wind Turbine Service Technicians

		49-9090		Miscellaneous Installation, Maintenance, and Repair Workers
			49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers
Major Group	Minor Group	Broad Group		Detailed Occupation
			49-9092	Commercial Divers
			49-9094	Locksmiths and Safe Repairers
			49-9095	Manufactured Building and Mobile Home Installers
			49-9096	Riggers
			49-9097	Signal and Track Switch Repairers
			49-9098	Helpers--Installation, Maintenance, and Repair Workers
			49-9099	Installation, Maintenance, and Repair Workers, All Other
51-0000				Production, Food Processing, Plant and manufacturing Occupations
	51-1000			Supervisors of Production Workers
		51-1010		First-Line Supervisors of Production and Operating Workers
			51-1011	First-Line Supervisors of Production and Operating Workers
	51-2000			Assemblers and Fabricators
		51-2010		Rigging, and Systems Assemblers
			51-2011	Rigging, and Systems Assemblers
		51-2020		Electrical, Electronics, and Electromechanical Assemblers
			51-2021	Coil Winders, Tapers, and Finishers
			51-2022	Electrical and Electronic Equipment Assemblers
			51-2023	Electromechanical Equipment Assemblers

		51-2030		Engine and Other Machine Assemblers
			51-2031	Engine Components and Other Machine Assemblers
		51-2040		Structural Metal Fabricators and Fitters
Major Group	Minor Group	Broad Group		Detailed Occupation
			51-2041	Structural Metal Fabricators and Fitters
		51-2050		Fiberglass Laminators and Fabricators
			51-2051	Fiberglass Laminators and Fabricators
		51-2060		Timing Device Assemblers and Adjusters
			51-2061	Timing Device Assemblers and Adjusters
		51-2090		Miscellaneous Assemblers and Fabricators
			51-2092	Team Assemblers
			51-2099	Assemblers and Fabricators, All Other
	51-3000			Food Processing Workers
		51-3010		Bakers
			51-3011	Bakers
		51-3020		Butchers and Other Meat, Poultry, and Fish Processing Workers
			51-3021	Butchers and Meat Cutters
			51-3022	Meat, Poultry, and Fish Cutters and Trimmers
			51-3023	Slaughterers and Meat Packers
		51-3090		Miscellaneous Food Processing Workers
			51-3091	Food, Baking, and Drying Machine Operators and Tenders
			51-3092	Food Batch makers
			51-3093	Food Cooking Machine Operators and Tenders
			51-3099	Food Processing Workers, All Other
	51-4000			Metal Workers and Plastic Workers

		51-4020		Forming Machine Setters, Operators, and Tenders, Metal and Plastic
			51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
Major Group	Minor Group	Broad Group		Detailed Occupation
			51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic
			51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
		51-4030		Machine Tool Cutting Setters, Operators, and Tenders, Metal and Plastic
			51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
			51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
			51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
			51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic
			51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic
		51-4040		Machinists
			51-4041	Machinists
		51-4050		Metal Furnace Operators, Tenders, Pourers, and Casters
			51-4051	Metal-Refining Furnace Operators and Tenders
			51-4052	Pourers and Casters, Metal
		51-4060		Model Makers and Patternmakers, Metal and Plastic

			51-4061	Model Makers, Metal and Plastic
			51-4062	Patternmakers, Metal and Plastic
		51-4070		Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic
Major Group	Minor Group	Broad Group		Detailed Occupation
			51-4071	Mold and Coremakers
			51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
		51-4080		Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
			51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
		51-4110		Tool and Die Makers
			51-4111	Tool and Die Makers
		51-4120		Welding, Soldering, and Brazing Workers
			51-4121	Welders, Cutters, Solderers, and Brazers
			51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
		51-4190		Miscellaneous Metal Workers and Plastic Workers
			51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
			51-4192	Layout Workers, Metal and Plastic
			51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic
			51-4194	Tool Grinders, Filers, and Sharpeners
			51-4199	Metal Workers and Plastic Workers, All Other
	51-5100			Printing Workers
		51-5110		Printing Workers

			51-5111	Prepress Technicians and Workers
			51-5112	Printing Press Operators
			51-5113	Print Binding and Finishing Workers
	51-6000			Textile, Apparel, and Furnishings Workers
		51-6010		Laundry and Dry-Cleaning Workers

Major Group	Minor Group	Broad Group		Detailed Occupation
			51-6011	Laundry and Dry-Cleaning Workers
		51-6020		Pressers, Textile, Garment, and Related Materials
			51-6021	Pressers, Textile, Garment, and Related Materials
		51-6030		Sewing Machine Operators
			51-6031	Sewing Machine Operators
		51-6040		Shoe and Leather Workers
			51-6041	Shoe and Leather Workers and Repairers
			51-6042	Shoe Machine Operators and Tenders
		51-6050		Tailors, Dressmakers, and Sewers
			51-6051	Sewers, Hand
			51-6052	Tailors, Dressmakers, and Custom Sewers
		51-6060		Textile Machine Setters, Operators, and Tenders
			51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders
			51-6062	Textile Cutting Machine Setters, Operators, and Tenders
			51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders
			51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders
		51-6090		Miscellaneous Textile, Apparel, and Furnishings Workers

			51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers
			51-6092	Fabric and Apparel Patternmakers
			51-6093	Upholsterers

Major Group	Minor Group	Broad Group		Detailed Occupation
			51-6099	Textile, Apparel, and Furnishings Workers, All Other
	51-7000			Woodworkers
		51-7010		Cabinetmakers and Bench Carpenters
			51-7011	Cabinetmakers and Bench Carpenters
		51-7020		Furniture Finishers
			51-7021	Furniture Finishers
		51-7030		Model Makers and Patternmakers, Wood
			51-7031	Model Makers, Wood
			51-7032	Patternmakers, Wood
		51-7040		Woodworking Machine Setters, Operators, and Tenders
			51-7041	Sawing Machine Setters, Operators, and Tenders, Wood
			51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing
		51-7090		Miscellaneous Woodworkers
			51-7099	Woodworkers, All Other
	51-8000			Plant and System Operators
		51-8010		Power Plant Operators, Distributors, and Dispatchers
			51-8011	Power Distributors and Dispatchers
			51-8012	Power Plant Operators
		51-8020		Stationary Engineers and Boiler Operators
			51-8021	Stationary Engineers and Boiler Operators

		51-8030		Water and Wastewater Treatment Plant and System Operators
			51-8031	Water and Wastewater Treatment Plant and System Operators
		51-8090		Miscellaneous Plant and System Operators

Major Group	Minor Group	Broad Group		Detailed Occupation
			51-8091	Chemical Plant and System Operators
			51-8092	Gas Plant Operators
			51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers
			51-8099	Plant and System Operators, All Other
	51-9000			Other Production Occupations
		51-9010		Chemical Processing Machine Setters, Operators, and Tenders
			51-9011	Chemical Equipment Operators and Tenders
			51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
		51-9020		Crushing, Grinding, Polishing, Mixing, and Blending Workers
			51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders
			51-9022	Grinding and Polishing Workers, Hand
			51-9023	Mixing and Blending Machine Setters, Operators, and Tenders
		51-9030		Cutting Workers
			51-9031	Cutters and Trimmers, Hand
			51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders

		51-9040		Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
			51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
		51-9050		Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders

Major Group	Minor Group	Broad Group		Detailed Occupation
			51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
		51-9060		Inspectors, Testers, Sorters, Samplers, and Weighers
			51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers
		51-9070		Jewelers and Precious Stone and Metal Workers
			51-9071	Jewelers and Precious Stone and Metal Workers
		51-9080		Dental and Ophthalmic Laboratory Technicians and Medical Appliance Technicians
			51-9081	Dental Laboratory Technicians
			51-9082	Medical Appliance Technicians
			51-9083	Ophthalmic Laboratory Technicians
		51-9110		Packaging and Filling Machine Operators and Tenders
			51-9111	Packaging and Filling Machine Operators and Tenders
		51-9120		Painting Workers
			51-9123	Painting, Coating, and Decorating Workers
			51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders

		51-9140		Semiconductor Processing Technicians
			51-9141	Semiconductor Processing Technicians
		51-9150		Photographic Process Workers and Processing Machine Operators
			51-9151	Photographic Process Workers and Processing Machine Operators

Major Group	Minor Group	Broad Group		Detailed Occupation
		51-9160		Computer Numerically Controlled Tool Operators and Programmers
			51-9161	Computer Numerically Controlled Tool Operators
			51-9162	Computer Numerically Controlled Tool Programmers
		51-9190		Miscellaneous Production Workers
			51-9191	Adhesive Bonding Machine Operators and Tenders
			51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders
			51-9193	Cooling and Freezing Equipment Operators and Tenders
			51-9194	Etchers and Engravers
			51-9195	Molders, Shapers, and Casters, Except Metal and Plastic
			51-9196	Paper Goods Machine Setters, Operators, and Tenders
			51-9197	Tire Builders
			51-9198	Helpers--Production Workers
			51-9199	Production Workers, All Other
53-0000				Transportation and Material Moving Occupations

	53-1000			Supervisors of Transportation and Material Moving Workers
		53-1040		First-Line Supervisors of Transportation and Material Moving Workers
			53-1041	Aircraft Cargo Handling Supervisors
			53-1042	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand
			53-1043	First-Line Supervisors of Material-Moving Machine and Vehicle Operators

Major Group	Minor Group	Broad Group		Detailed Occupation
			53-1044	First-Line Supervisors of Passenger Attendants
			53-1049	First-Line Supervisors of Transportation Workers, All Other
	53-2000			Air Transportation Workers
		53-2010		Aircraft Pilots and Flight Engineers
			53-2011	Airline Pilots, Copilots, and Flight Engineers
			53-2012	Commercial Pilots
		53-2020		Air Traffic Controllers and Airfield Operations Specialists
			53-2021	Air Traffic Controllers
			53-2022	Airfield Operations Specialists
		53-2030		Flight Attendants
			53-2031	Flight Attendants
	53-3000			Motor Vehicle Operators
		53-3010		Ambulance Drivers and Attendants, Except Emergency Medical Technicians
			53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians
		53-3030		Driver/Sales Workers and Truck Drivers
			53-3031	Driver/Sales Workers

			53-3032	Heavy and Tractor-Trailer Truck Drivers
			53-3033	Light Truck Drivers
		53-3050		Passenger Vehicle Drivers
			53-3051	Bus Drivers, School
			53-3052	Bus Drivers, Public Transit
			53-3053	Shuttle Drivers and Chauffeurs
			53-3054	Taxi Drivers
		53-3090		Miscellaneous Motor Vehicle Operators
			53-3099	Motor Vehicle Operators, All Other

Major Group	Minor Group	Broad Group		Detailed Occupation
	53-4000			Rail Transportation Workers
		53-4010		Locomotive Engineers and Operators
			53-4011	Locomotive Engineers
			53-4013	Rail Yard Engineers
		53-4020		Railroad Brake, Signal, and Switch Operators
			53-4022	Railroad Brake, Signal, and Switch Operators
		53-4030		Railroad Conductors and Yardmasters
			53-4031	Railroad Conductors and Yardmasters
		53-4090		Miscellaneous Rail Transportation Workers
			53-4099	Rail Transportation Workers, All Other
	53-5000			Water Transportation Workers
		53-5010		Sailors and Marine Oilers / Ratings
			53-5011	Sailors and Marine Oilers
		53-5020		Ship and Boat Captains and Operators
			53-5021	Captains, Mates, and Pilots of Water Vessels
			53-5022	Motorboat Operators
		53-5030		Ship Engineers
			53-5031	Ship Engineers
	53-6000			Other Transportation Workers

		53-6030		Transportation Service Attendants
			53-6031	Automotive Service Attendants
			53-6032	Ferry and Watercraft Service Attendants
			53-6033	Public Transit Attendants
			53-6034	Commercial vehicle Attendants
			53-6035	Recreational vehicle attendants
			53-6036	Cruise Ships and Mega Yacht Attendants

Major Group	Minor Group	Broad Group		Detailed Occupation
			53-6037	Aircraft Service Attendants
		53-6040		Traffic Technicians
			53-6041	Traffic Technicians
		53-6050		Transportation Inspectors
			53-6051	Transportation Inspectors
		53-6060		Passenger Attendants
			53-6061	Passenger Attendants
		53-6090		Miscellaneous Transportation Workers
			53-6099	Transportation Workers, All Other
	53-7000			Material Moving Workers
		53-7010		Conveyor Operators and Tenders
			53-7011	Conveyor Operators and Tenders
		53-7020		Crane and Tower Operators
			53-7021	Crane and Tower Operators
		53-7030		Dredge Operators
			53-7031	Dredge Operators
		53-7040		Hoist and Winch Operators
			53-7041	Hoist and Winch Operators
		53-7050		Industrial Truck and Tractor Operators
			53-7051	Industrial Truck and Tractor Operators
		53-7060		Laborers and Material Movers
			53-7061	Cleaners of Vehicles and Equipment

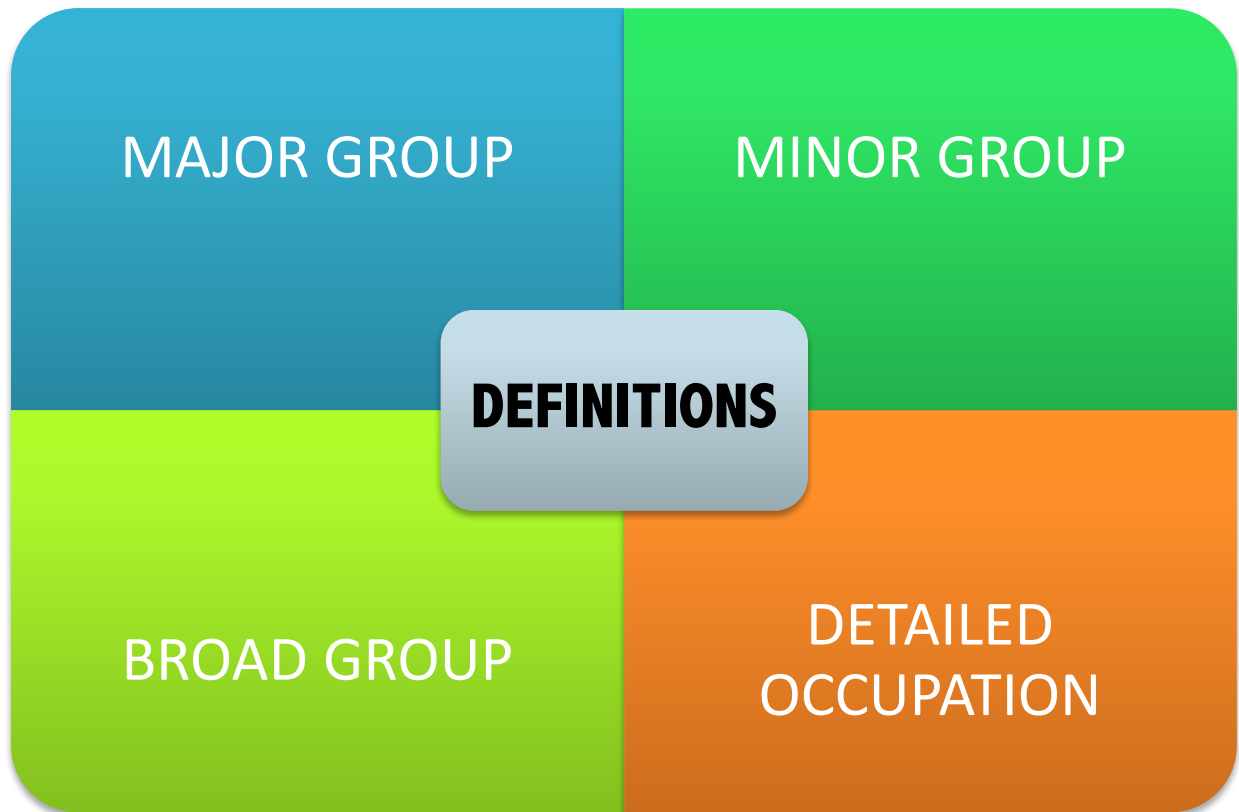
			53-7062	Laborers and Freight, Stock, and Material Movers, Hand
			53-7063	Machine Feeders
			53-7064	Packers and Packagers, Hand
			53-7065	Stockers and Order Fillers
		53-7070		Pumping Station Operators
			53-7071	Gas Compressor and Gas Pumping Station Operators
			53-7072	Pump Operators, Except Wellhead Pumps
			53-7073	Wellhead Pumps
		53-7080		Refuse and Recyclable Material Collectors

Major Group	Minor Group	Broad Group		Detailed Occupation
			53-7081	Refuse and Recyclable Material Collectors
		53-7120		Tank Car, Truck, and Ship Loaders / Stevedores
			53-7121	Tank Car, Truck, and Ship Loaders / Stevedores
		53-7190		Miscellaneous Material Moving Workers
			53-7199	Material Moving Workers, All Other
55-0000				Military Specific Occupations
	55-1000			Military Officer Special, Coast Guard and Tactical Operations Leaders
		55-1010		Military Officer Special and Tactical Operations Leaders
			55-1011	Coast Guard Officers
			55-1012	Vessel Launch, Maintenance and Recovery Officers
			55-1013	Armored Vehicle Officers
			55-1014	Artillery Officers
			55-1015	Command and Control Center Officers
			55-1016	Infantry Officers
			55-1017	Special Forces Officers
			55-1019	Military Officer Special and Tactical Operations Leaders, All Other
	55-2000			First-Line Enlisted Military Supervisors

		55-2010		First-Line Enlisted Military Supervisors
			55-2011	First-Line Supervisors of Coast Guard Crew Members
			55-2012	First-Line Supervisors of Weapons Specialists
			55-2013	First-Line Supervisors of All Other Tactical Operations Specialists

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AN OVERVIEW OF OCCUPATIONS



DEFINITION OF OCCUPATIONS

The Occupational definition table provides an overview of the definitions of the Broad Occupation for Groups as illustrated below;

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Major	11-0000	Management Occupations	
Minor	11-1000	Top Executives	
Broad	11-1010	Chief Executives	
Detailed	11-1011	Chief Executives	Determine and formulate policies and provide overall direction of companies or private and public sector organizations within guidelines set up by a board of directors or similar governing body. Plan, direct, or coordinate operational activities at the highest level of management with the help of subordinate executives and staff managers.
Broad	11-1020	General and Operations Managers	
Detailed	11-1021	General and Operations Managers	Plan, direct, or coordinate the operations of public or private sector organizations, overseeing multiple departments or locations. Duties and responsibilities include formulating policies, managing daily operations, and planning the use of materials and human resources, but are too diverse and general in nature to be classified in any one functional area of management or administration such as personnel, purchasing, or administrative services. Usually manage through subordinate supervisors. Excludes First-Line Supervisors.
Broad	11-1030	Legislators	Legislators determine, formulate and direct policies of national, state, regional or local governments and international governmental agencies and make, ratify, amend or repeal laws, public rules and regulations. They include elected and non-elected members of parliaments, councils and governments.
Detailed	11-1031	Legislators	Develop, introduce, or enact laws and statutes at the local, tribal, state, or federal level. Includes or workers in elected positions.
	11-1032	Senior Government Officials	
	11-1033	Senior Officials of Special Interest Organizations	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Minor	11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	
Broad	11-2010	Advertising and Promotions Managers	
Detailed	11-2011	Advertising and Promotions Managers	Plan, direct, or coordinate advertising policies and programs or produce collateral materials, such as posters, contests, coupons, or giveaways, to create extra interest in the purchase of a product or service for a department, an entire organization, or on an account basis.
Broad	11-2020	Marketing and Sales Managers	
Detailed	11-2021	Marketing Managers	Plan, direct, or coordinate marketing policies and programs, such as determining the demand for products and services offered by a firm and its competitors, and identify potential customers. Develop pricing strategies with the goal of maximizing the firm's profits or share of the market while ensuring the firm's customers are satisfied. Oversee product development or monitor trends that indicate the need for new products and services.
Detailed	11-2022	Sales Managers	Plan, direct, or coordinate the actual distribution movement of a product or service to the customer. Coordinate sales distribution by establishing sales territories, quotas, and goals and establish training programs for sales representatives. Analyze sales statistics gathered by staff to determine sales potential and inventory requirements and monitor the preferences of customers.
Broad	11-2030	Public Relations and Fundraising Managers	
Detailed	11-2032	Public Relations Managers	Plan, direct, or coordinate activities designed to create or maintain a favorable public image or raise issue awareness for their organization or client.
Detailed	11-2033	Fundraising Managers	Plan, direct, or coordinate activities to solicit and maintain funds for special projects or nonprofit organizations.
Minor	11-3000	Operations Specialties Managers	
Broad	11-3010	Administrative Services and Facilities Managers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	11-3012	Administrative Services Managers	Plan, direct, or coordinate one or more administrative services of an organization, such as records and information management, mail distribution, and other office support services. Medical records administrators are included in "Medical and Health Services Managers". Exclude "Facilities Managers" and "Purchasing Managers"
Detailed	11-3013	Facilities Managers	Plan, direct, or coordinate operations and functionalities of facilities and buildings. May include surrounding grounds or multiple facilities on an organization's campus. Excludes "Administrative Services Managers", "Property, Real Estate, and Community Association Managers", "First-Line Supervisors of Building and Grounds Cleaning and Maintenance Workers", "First-Line Supervisors of Mechanics and Repairers", and "Maintenance and Repair Workers, General".
Broad	11-3020	Computer and Information Systems Managers	
Detailed	11-3021	Computer and Information Systems Managers	Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming. Excludes "Computer Occupations".
Broad	11-3030	Financial Managers	
Detailed	11-3031	Financial Managers	Plan, direct, or coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment. Excludes "Financial Risk Specialists"
Broad	11-3050	Industrial Production Managers	
Detailed	11-3051	Industrial Production Managers	Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.
Broad	11-3060	Purchasing Managers	
Detailed	11-3061	Purchasing Managers	Plan, direct, or coordinate the activities of buyers, purchasing officers, and related workers involved in purchasing materials, products, and services. Includes wholesale or retail trade merchandising managers and procurement managers.
Broad	11-3070	Transportation, Storage, and Distribution Managers	
Detailed	11-3071	Transportation, Storage, and Distribution Managers	Plan, direct, or coordinate transportation, storage or distribution activities in accordance with organizational policies and applicable government laws or regulations. Includes logistics managers.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	11-3110	Compensation and Benefits Managers	
Detailed	11-3111	Compensation and Benefits Managers	Plan, direct, or coordinate compensation and benefits activities of an organization. Job analysis and position description managers are included in "Human Resources Managers"
Broad	11-3120	Human Resources Managers	
Detailed	11-3121	Human Resources Managers	Plan, direct, or coordinate human resources activities and staff of an organization. Excludes managers who primarily focus on compensation and benefits (and training and development)
Broad	11-3130	Training and Development Managers	
Detailed	11-3131	Training and Development Managers	Plan, direct, or coordinate the training and development activities and staff of an organization
Minor	11-9000	Other Management Occupations	
Broad	11-9010	Farmers, Farm Managers and Other Agricultural Managers	
Detailed	11-9013	Farmers, Farm Managers and Other Agricultural Managers	Plan, direct, or coordinate the management or operation of farms, greenhouses, aquaculture operations, nurseries, or other agricultural establishments. May hire, train, and supervise farm workers or contract for services to carry out the day-to-day activities of the managed operation. May engage in or supervise planting, cultivating, harvesting, and financial and marketing activities. Excludes "First-Line Supervisors of Farming, Fishing, and Environmental Workers"
Broad	11-9020	Construction Managers	
Detailed	11-9021	Construction Managers	Plan, direct, or coordinate, usually through subordinate supervisory personnel, activities concerned with the construction and maintenance of structures, facilities, and systems. Participate in the conceptual development of a construction project and oversee its organization, scheduling, budgeting, and implementation. Includes management in specialized construction fields, such as carpentry or plumbing.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	11-3012	Administrative Services Managers	Plan, direct, or coordinate one or more administrative services of an organization, such as records and information management, mail distribution, and other office support services. Medical records administrators are included in "Medical and Health Services Managers". Exclude "Facilities Managers" and "Purchasing Managers"
Detailed	11-3013	Facilities Managers	Plan, direct, or coordinate operations and functionalities of facilities and buildings. May include surrounding grounds or multiple facilities on an organization's campus. Excludes "Administrative Services Managers", "Property, Real Estate, and Community Association Managers", "First-Line Supervisors of Building and Grounds Cleaning and Maintenance Workers", "First-Line Supervisors of Mechanics and Repairers", and "Maintenance and Repair Workers, General".
Broad	11-3020	Computer and Information Systems Managers	
Detailed	11-3021	Computer and Information Systems Managers	Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming. Excludes "Computer Occupations".
Broad	11-3030	Financial Managers	
Detailed	11-3031	Financial Managers	Plan, direct, or coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment. Excludes "Financial Risk Specialists"
Broad	11-3050	Industrial Production Managers	
Detailed	11-3051	Industrial Production Managers	Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.
Broad	11-3060	Purchasing Managers	
Detailed	11-3061	Purchasing Managers	Plan, direct, or coordinate the activities of buyers, purchasing officers, and related workers involved in purchasing materials, products, and services. Includes wholesale or retail trade merchandising managers and procurement managers.
Broad	11-3070	Transportation, Storage, and Distribution Managers	
Detailed	11-3071	Transportation, Storage, and Distribution Managers	Plan, direct, or coordinate transportation, storage or distribution activities in accordance with organizational policies and applicable government laws or regulations. Includes logistics managers.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	11-9030	Education and Childcare Administrators	
Detailed	11-9031	Education and Childcare Administrators, Preschool and Daycare	Plan, direct, or coordinate academic or nonacademic activities of preschools or childcare centers and programs, including before- and after school care. Excludes "Preschool Teachers, Except Special Education" and "Childcare Workers"
Detailed	11-9032	Education Administrators, Kindergarten through Secondary	Plan, direct, or coordinate the academic, administrative, or auxiliary activities of kindergarten, elementary, or secondary schools.
Detailed	11-9033	Education Administrators, Postsecondary	Plan, direct, or coordinate student instruction, administration, and services, as well as other research and educational activities, at postsecondary institutions, including universities, colleges, and junior and community colleges.
Detailed	11-9039	Education Administrators, All Other	All education administrators not listed separately
Broad	11-9040	Architectural and Engineering Managers	
Detailed	11-9041	Architectural and Engineering Managers	Plan, direct, or coordinate activities in such fields architecture and engineering or research and development in these fields. Excludes "Natural Sciences Managers"
Broad	11-9050	Food Service Managers	
Detailed	11-9051	Food Service Managers	Plan, direct, or coordinate activities of an organization or department that serves food and beverages. Excludes "Chefs and Head Cooks"
Broad	11-9070	Entertainment and Recreation Managers	
Detailed	11-9071	Gambling Managers	Plan, direct, or coordinate gambling operations in casino. May formulate house rules.
Detailed	11-9072	Entertainment and Recreation Managers, Except Gambling	Plan, direct, or coordinate entertainment and recreational activities and operations of a recreational facility, including cruise ships and parks.
Broad	11-9080	Small Hotels & Guest House Managers	
Detailed	11-9081	Small Hotels & Guest House Managers	Plan, direct, or coordinate activities of an organization or department that provides lodging and other accommodations. Excludes "Food Service Managers in Small Hotels & Guest House establishments."
Broad	11-9110	Medical and Health Services Managers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	11-9111	Medical and Health Services Managers	Plan, direct, or coordinate medical and health services in hospitals, clinics, managed care organizations, public health agencies, or similar organizations.
Broad	11-9120	Natural Sciences Managers	
Detailed	11-9121	Natural Sciences Managers	Plan, direct, or coordinate activities in such fields life sciences, physical sciences, mathematics, statistics, and research and development in these fields. Excludes “Computer and Information Systems Managers” and “Architecture and Engineering Managers”
Broad	11-9130	Postmasters and Mail Superintendents	
Detailed	11-9131	Postmasters	Plan, direct, or coordinate operational, administrative, management, and support service of a post office; or coordinate activities of worker engaged in postal and related work in assigned po office.
Broad	11-9140	Property, Real Estate, and Community Association Managers	
Broad	11-9150	Social and Community Service Managers	
Detailed	11-9151	Social and Community Service Managers	Plan, direct, or coordinate the activities of a socia service program or community outreach organization. Oversee the program or organization’s budget and policies regarding participant involvement, program requirements, and benefits. Work may involve directing social workers, counselors, or probation officers.
Broad	11-9160	Emergency Management Directors	
Detailed	11-9161	Emergency Management	Plan and direct disaster response or crisis management activities, provide disaster preparedness training, and prepare emergency plans and procedures for natural (e.g., hurricanes floods, earthquakes), wartime, or technological (e.g., power plant emergencies or hazardous materials spills) disasters or hostage situations.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	11-9170	Personal Service Managers	
Detailed	11-9171	Funeral Home Managers	Plan, direct, or coordinate the services or resources of funeral homes. Includes activities such as determining prices for services or merchandise and managing the facilities of funeral homes. Excludes "Morticians, Undertakers, and Funeral Arrangers"
Detailed	11-9179	Personal Service Managers, All Other	All personal service managers not listed separately. Excludes "Financial Specialists" Daycare Managers are included in Education and Childcare Administrators, Preschool and Daycare
Broad	11-9180	Port Operations Managers	
Detailed	11-9181	Air Port managers, All Other	
Detailed	11-9182	Sea Port Managers, All Other	
Broad	11-9190	Miscellaneous Managers	
Detailed	11-9199	Managers, All Other	All managers not listed separately.
Major	13-0000	Business and Financial Operations Occupations	
Minor	13-1000	Business Operations Specialists	
Broad	13-1010	Agents and Business Managers of Artists, Performers, and Athletes	
Detailed	13-1011	Agents and Business Managers of Artists, Performers, and Athletes	Represent and promote artists, performers, and athletes in dealings with current or prospective employers. May handle contract negotiation and other business matters for clients.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	13-1020	Buyers and Purchasing Agents	

Detailed	13-1022	Wholesale and Retail Buyers, Except Farm Products	Buy merchandise or commodities, other than farm products, for resale to consumers at the wholesale or retail level, including both durable and nondurable goods. Analyze past buying trends, sales records, price, and quality of merchandise to determine value and yield. Select, order, and authorize payment for merchandise according to contractual agreements. May conduct meetings with sales personnel and introduce new products. May negotiate contracts. Includes assistant wholesale and retail buyers of nonfarm products. Excludes "Procurement Clerks".
Detailed	13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Purchase machinery, equipment, tools, parts, supplies, or services necessary for the operation of an establishment. Purchase raw or semi finished materials for manufacturing. May negotiate contracts. Excludes "Buyers and Purchasing Agents of Farm Products" and "Wholesale and Retail Buyers, Except Farm Products"
Broad	13-1030	Claims Adjusters, Appraisers, Examiners, and Investigators	
Detailed	13-1031	Claims Adjusters, Examiners, and Investigators	Review settled claims to determine that payment and settlements are made in accordance with company practices and procedures. Confer with legal counsel on claims requiring litigation. May also settle insurance claims. Excludes "Fire Inspectors and Investigators"
Detailed	13-1032	Insurance Appraisers, Auto Damage	Appraise automobile or other vehicle damage to determine repair costs for insurance claim settlement. Prepare insurance forms to indicate repair cost or cost estimates and recommendations. May seek agreement with automotive repair shop on repair costs.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	13-1040	Buyers and Purchasing Agents	
Detailed	13-1041	Compliance Officers	

Broad	13-1050	Compliance Officers	Examine, evaluate, and investigate eligibility for or conformity with laws and regulations governing contract compliance of licenses and permits, and perform other compliance and enforcement inspection and analysis activities not classified elsewhere. Excludes "Financial Examiners" "Tax Examiners and Collectors, and Revenue Agents" "Occupational Health and Safety Specialists" "Occupational Health and Safety Technicians" "Transportation Security Screeners" "Agricultural Inspectors" "Construction and Building Inspectors and "Transportation Inspectors"
Detailed	13-1051	Cost Estimators	
	13-1052	Investment Officers	
Broad	13-1040	Cost Estimators	Prepare cost estimates for product manufacturing construction projects, or services to aid management in bidding on or determining price of product or service. May specialize according to particular service performed or type of product manufactured.
Broad	13-1070	Human Resources Workers	
Detailed	13-1071	Human Resources Specialists	Recruit, screen, interview, or place individuals within an organization. May perform other activities in multiple human resources areas. Excludes "Compensation, Benefits, and Job Analysis Specialists" and "Training and Development Specialists"
Detailed	13-1074	Labor Contractors	Recruit and hire seasonal or temporary laborers. May transport, house, and provide meals for workers.
Broad	13-1080	Logisticians and Project Management Specialists	
Detailed	13-1081	Logisticians	Analyze and coordinate the ongoing logistical functions of a firm or organization. Responsible for the entire life cycle of a product, including acquisition, distribution, internal allocation, delivery, and final disposal of resources. Excludes "Transportation, Storage, and Distribution Managers" and "Project Management Specialists"

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	13-1082	Project Management Specialists	Analyze and coordinate the schedule, timeline, procurement, staffing, and budget of a product or service on a per project basis. Lead and guide the work of technical staff. May serve as a point of

			contact for the client or customer. Excludes “Management Occupations” , “Logisticians” “Meeting, Convention, and Event Planners” and “Production, Planning, and Expediting Clerks”.
Broad	13-1110	Management Analysts	
Broad	13-1120	Meeting, Convention, and Event Planners	
Detailed	13-1121	Meeting, Convention, and Event Planners	Coordinate activities of staff, convention person or clients to make arrangements for group meetings, events, or conventions.
Broad	13-1130	Fundraisers	
Detailed	13-1131	Fundraisers	Organize activities to raise funds or otherwise solicit and gather monetary donations or other gi for an organization. May design and produce promotional materials. May also raise awareness the organization’s work, goals, and financial need
Broad	13-1140	Compensation, Benefits, and Job Analysis Specialists	
Detailed	13-1141	Compensation, Benefits, and Job Analysis Specialists	Conduct programs of compensation and benefits and job analysis for employer. May specialize in specific areas, such as position classification and pension programs.
Broad	13-1150	Training and Development Specialists	
Detailed	13-1151	Training and Development Specialists	Design or conduct work-related training and development programs to improve individual skill or organizational performance. May analyze organizational training needs or evaluate training effectiveness. Excludes “Career/Technical Education Teachers, Postsecondary” and “Other Teachers and Instructors”. Flight instructors are included with “Aircraft Pilots and Flight Engineers

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	13-1160	Market Research Analysts and Marketing Specialists	
Detailed	13-1161	Market Research Analysts and Marketing Specialists	Research conditions in local, regional, national, or online markets. Gather information to determine potential sales of a product or service, or plan a

			marketing or advertising campaign. May gather information on competitors, prices, sales, and methods of marketing and distribution. May employ search marketing tactics, analyze web metrics, and develop recommendations to increase search engine ranking and visibility to target markets. Excludes “Web and Digital Interface Designers”, “Art Directors”, “Graphic Designers”, and “Public Relations Specialists” .
Broad	13-1190	Miscellaneous Business Operations Specialists	
Detailed	13-1199	Business Operations Specialists, All Other	All business operations specialists not listed separately.
Minor	13-2000	Financial Specialists	
Broad	13-2010	Accountants and Auditors	
Detailed	13-2011	Accountants and Auditors	Examine, analyze, and interpret accounting records to prepare financial statements, give advice, or audit and evaluate statements prepared by others. Install or advise on systems of recording costs or other financial and budgetary data. Excludes “Tax Examiners and Collectors, and Revenue Agents” .
Broad	13-2020	Property Appraisers and Assessors	
Detailed	13-2022	Appraisers of Personal and Business Property	Appraise and estimate the fair value of tangible personal or business property, such as jewelry, art, antiques, collectibles, and equipment. Includes workers who appraise both personal and business property as well as real estate. May also appraise land. Excludes “Claims Adjusters, Examiners, and Investigators” , “Insurance Appraisers, Auto Damage”, “Appraisers and Assessors of Real Estate”, and “Tax Examiners and Collectors, and Revenue Agents”.
Detailed	13-2023	Appraisers and Assessors of Real Estate	Appraise real estate, exclusively, and estimate its fair value. May assess taxes in accordance with prescribed schedules. Excludes “Appraisers of Personal and Business Property” .

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	13-1160	Market Research Analysts and Marketing Specialists	
Detailed	13-1161	Market Research Analysts and Marketing Specialists	Research conditions in local, regional, national, or online markets. Gather information to determine potential sales of a product or service, or plan a

			marketing or advertising campaign. May gather information on competitors, prices, sales, and methods of marketing and distribution. May employ search marketing tactics, analyze web metrics, and develop recommendations to increase search engine ranking and visibility to target markets. Excludes “Web and Digital Interface Designers”, “Art Directors”, “Graphic Designers”, and “Public Relations Specialists”.
Broad	13-2030	Budget Analysts	
Detailed	13-2031	Budget Analysts	Examine budget estimates for completeness, accuracy, and conformance with procedures and regulations. Analyze budgeting and accounting reports. Excludes “Financial and Investment Analysts”.
Broad	13-2040	Credit Analysts	
Detailed	13-2041	Credit Analysts	Analyze credit data and financial statements of individuals or firms to determine the degree of risk involved in extending credit or lending money. Prepare reports with credit information for use in decision making. Excludes “Financial Risk Specialists”.
Broad	13-2050	Financial Analysts and Advisors	
Detailed	13-2051	Financial and Investment Analysts	Conduct quantitative analyses of information involving investment programs or financial data of public or private institutions, including valuation of businesses. Excludes “Budget Analysts”, “Financial Risk Specialists”, and “Securities, Commodities, and Financial Services Sales Agents”.
Detailed	13-2052	Personal Financial Advisors	Advise clients on financial plans using knowledge of tax and investment strategies, securities, insurance, pension plans, and real estate. Duties include assessing clients' assets, liabilities, cash flow, insurance coverage, tax status, and financial objectives. May also buy and sell financial assets for clients. Excludes “Securities, Commodities, and Financial Services Sales Agents”.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	13-1160	Market Research Analysts and Marketing Specialists	
Detailed	13-1161	Market Research Analysts and Marketing Specialists	Research conditions in local, regional, national, or online markets. Gather information to determine potential sales of a product or service, or plan a

			marketing or advertising campaign. May gather information on competitors, prices, sales, and methods of marketing and distribution. May employ search marketing tactics, analyze web metrics, and develop recommendations to increase search engine ranking and visibility to target markets. Excludes “Web and Digital Interface Designers”, “Art Directors”, “Graphic Designers”, and “Public Relations Specialists” .
Detailed	13-2053	Insurance Underwriters	Review individual applications for insurance to evaluate degree of risk involved and determine acceptance of applications.
Detailed	13-2054	Financial Risk Specialists	Analyze and measure exposure to credit and market risk threatening the assets, earning capacity, or economic state of an organization. May make recommendations to limit risk. Excludes “Credit Analysts” .
Broad	13-2060	Financial Examiners	
Detailed	13-2061	Financial Examiners	Enforce or ensure compliance with laws and regulations governing financial and securities institutions and financial and real estate transactions. May examine, verify, or authenticate records.
Broad	13-2070	Credit Counselors and Loan Officers	
Detailed	13-2071	Credit Counselors	Advise and educate individuals or organizations on acquiring and managing debt. May provide guidance in determining the best type of loan and explain loan requirements or restrictions. May develop debt management plans or student financial aid packages. May advise on credit issue or provide budget, mortgage, bankruptcy, or student financial aid counseling.
Detailed	13-2072	Loan Officers	Evaluate, authorize, or recommend approval of commercial, real estate, or credit loans. Advise borrowers on financial status and payment methods. Includes mortgage loan officers and agents, collection analysts, loan servicing officers, loan underwriters, and payday loan officers.
SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	13-2080	Tax Examiners, Collectors and Preparers, and Revenue Agents	

Detailed	13-2081	Tax Examiners and Collectors, and Revenue Agents	Determine tax liability or collect taxes from individuals or business firms according to prescribed laws and regulations.
Detailed	13-2082	Tax Preparers	Prepare tax returns for individuals or small businesses. Excludes "Accountants and Auditors".
Broad	13-2090	Miscellaneous Financial Specialists	
Detailed	13-2099	Financial Specialists, All Other	All financial specialists not listed separately.
Major	15-0000	Computer and Mathematical Occupations	
Minor	15-1200	Computer Occupations	
Broad	15-1210	Computer and Information Analysts	
Detailed	15-1211	Computer Systems Analysts	Analyze science, engineering, business, and other data processing problems to develop and implement solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions, improve existing computer systems, and review computer system capabilities, workflow, and schedule limitations. May analyze and recommend commercially available software.
Detailed	15-1212	Information Security Analysts	Plan, implement, upgrade, or monitor security measures for the protection of computer network and information. Assess system vulnerabilities for security risks and propose and implement risk mitigation strategies. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses. Excludes "Computer Network Architects".
Broad	15-1220	Computer and Information Research Scientists	
Detailed	15-1221	Computer and Information Research Scientists	Conduct research into fundamental computer and information science as theorists, designers, or inventors. Develop solutions to problems in the field of computer hardware and software.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	15-1230	Computer Support Specialists	
Detailed	15-1231	Computer Network Support Specialists	Analyze, test, troubleshoot, and evaluate existing network systems, such as local area networks

			(LAN), wide area networks (WAN), cloud network servers, and other data communications network. Perform network maintenance to ensure network operate correctly with minimal interruption. Excludes “Computer Network Architects” and “Network and Computer Systems Administrators”.
Detailed	15-1232	Computer User Support Specialists	Provide technical assistance to computer users. Answer questions or resolve computer problems for clients in person, via telephone, or electronically. May provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. Excludes “Network and Computer Systems Administrators”.
Broad	15-1240	Database and Network Administrators and Architects	
Detailed	15-1241	Computer Network Architects	Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning, including analysis of capacity needs for network infrastructures. May also design network and computer security measures. May research and recommend network and data communications hardware and software. Excludes “Information Security Analysts”, “Computer Network Support Specialists”, and “Network and Computer System Administrators”.
Detailed	15-1242	Database Administrators	Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases. Identify, investigate, and resolve database performance issues, database capacity, and database scalability. May plan, coordinate, and implement security measures to safeguard computer databases. Excludes “Information Security Analysts” and “Database Architects”.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	15-1243	Database Architects	Design strategies for enterprise databases, data warehouse systems, and multidimensional networks. Set standards for database operations, programming, query processes, and security.

			Model, design, and construct large relational databases or data warehouses. Create and optimize data models for warehouse infrastructure and workflow. Integrate new systems with existing warehouse structure and refine system performance and functionality. Excludes “Database Administrators”
Detailed	15-1244	Network and Computer Systems Administrators	Install, configure, and maintain an organization’s local area network (LAN), wide area network (WAN), data communications network, operating systems, and physical and virtual servers. Perform system monitoring and verify the integrity and availability of hardware, network, and server resources and systems. Review system and application logs and verify completion of scheduled jobs, including system backups. Analyze network and server resource consumption and control use access. Install and upgrade software and maintain software licenses. May assist in network modeling analysis, planning, and coordination between network and data communications hardware and software. Excludes “Information Security Analysts,” “Computer Network Support Specialists,” and “Computer User Support Specialists”
Broad	15-1250	Software and Web Developers, Programmers, and Testers	
Detailed	15-1251	Computer Programmers	Create, modify, and test the code and scripts that allow computer applications to run. Work from specifications drawn up by software and web developers or other individuals. May develop and write computer programs to store, locate, and retrieve specific documents, data, and information

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	15-1252	Software Developers	Research, design, and develop computer and network software or specialized utility programs. Analyze user needs and develop software solutions applying principles and techniques of computer

			science, engineering, and mathematical analysis. Update software or enhance existing software capabilities. May work with computer hardware engineers to integrate hardware and software systems, and develop specifications and performance requirements. May maintain databases within an application area, working individually or coordinating database developer as part of a team.
Detailed	15-1253	Software Quality Assurance Analysts and Testers	Develop and execute software tests to identify software problems and their causes. Test system modifications to prepare for implementation. Document software and application defects using bug tracking system and report defects to software or web developers. Create and maintain database of known defects. May participate in software design reviews to provide input on functional requirements, operational characteristics, product designs, and schedules.
Detailed	15-1254	Web Developers	Develop and implement websites, web applications, application databases, and interactive web interfaces. Evaluate code to ensure that it is properly structured, meets industry standards, and is compatible with browsers and devices. Optimize website performance, scalability, and server-side code and processes. May develop website infrastructure and integrate websites with other computer applications. Excludes "Special Effects Artists and Animators"

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	15-1255	Web and Digital Interface Designers	Design digital user interfaces or websites. Develop and test layouts, interfaces, functionality, and navigation menus to ensure compatibility and usability across browsers or devices. May use web framework applications as well as client-side code

			and processes. May evaluate web design following web and accessibility standards, and may analyze web use metrics and optimize websites for marketability and search engine ranking. May design and test interfaces that facilitate the human-computer interaction and maximize the usability of digital devices, websites, and software with a focus on aesthetics and design. May create graphics used in websites and manage website content and link. Excludes “Special Effects Artists and Animators” and “Graphic Designers”.
Broad	15-1290	Miscellaneous Computer Occupations	
Detailed	15-1299	Computer Occupations, All Other	All computer occupations not listed separately. Excludes “Computer and Information Systems Managers” , “Computer Hardware Engineers” , “Electrical and Electronics Engineers” “Computer Science Teachers, Postsecondary” “Special Effects Artists and Animators” , “Graphic Designers”), “Health Information Technologists and Medical Registrars” and “Computer, Automated Teller, and Office Machine Repairers”
Minor	15-2000	Mathematical Science Occupations	
Broad	15-2010	Actuaries	
Detailed	15-2011	Actuaries	Analyze statistical data, such as mortality, accident sickness, disability, and retirement rates and construct probability tables to forecast risk and liability for payment of future benefits. May ascertain insurance rates required and cash reserves necessary to ensure payment of future benefits.
Broad	15-2020	Mathematicians	
Detailed	15-2021	Mathematicians	Conduct research in fundamental mathematics or in application of mathematical techniques to science, management, and other fields. Solve problems in various fields using mathematical methods.
Broad	15-2030	Operations Research Analysts	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	15-1255	Web and Digital Interface Designers	Design digital user interfaces or websites. Develop and test layouts, interfaces, functionality, and navigation menus to ensure compatibility and usability across browsers or devices. May use web

			framework applications as well as client-side code and processes. May evaluate web design following web and accessibility standards, and may analyze web use metrics and optimize websites for marketability and search engine ranking. May design and test interfaces that facilitate the human-computer interaction and maximize the usability of digital devices, websites, and software with a focus on aesthetics and design. May create graphics used in websites and manage website content and link. Excludes “Special Effects Artists and Animators” and “Graphic Designers”.
Broad	15-1290	Miscellaneous Computer Occupations	
Detailed	15-1299	Computer Occupations, All Other	All computer occupations not listed separately. Excludes “Computer and Information Systems Managers” , “Computer Hardware Engineers” , “Electrical and Electronics Engineers” “Computer Science Teachers, Postsecondary” “Special Effects Artists and Animators” , “Graphic Designers”), “Health Information Technologists and Medical Registrars” and “Computer, Automated Teller, and Office Machine Repairers”
Minor	15-2000	Mathematical Science Occupations	
Broad	15-2010	Actuaries	
Broad	15-2020	Mathematicians	
Detailed	15-2021	Mathematicians	Conduct research in fundamental mathematics or in application of mathematical techniques to science, management, and other fields. Solve problems in various fields using mathematical methods.
Broad	15-2030	Operations Research Analysts	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	15-2031	Operations Research Analysts	Formulate and apply mathematical modeling and other optimizing methods to develop and interpret information that assists management with decision making, policy formulation, or other managerial functions. May collect and analyze data and

			develop decision support software, services, or products. May develop and supply optimal time, cost, or logistics networks for program evaluation review, or implementation.
Broad	15-2040	Statisticians	
Detailed	15-2041	Statisticians	Develop or apply mathematical or statistical theories and methods to collect, organize, interpret, and summarize numerical data to provide usable information. May specialize in fields such as biostatistics, agricultural statistics, business statistics, or economic statistics. Includes mathematical and survey statisticians. Excludes "Survey Researchers"
Broad	15-2050	Project Analyst	
Detailed	15-2051	Project Analyst	Develop and implement a set of techniques or analytics applications to transform raw data into meaningful information using data-oriented programming languages and visualization software. Apply data mining, data modeling, natural language processing, and machine learning to extract and analyze information from large structured and unstructured datasets. Visualize, interpret, and report data findings. May create dynamic data reports. Excludes "Statisticians" "Cartographers and Photogrammetrists" and "Health Information Technologists and Medical Registrars".
Broad	15-2090	Miscellaneous Mathematical Science Occupations	
Detailed	15-2099	Mathematical Science Occupations, All Other	All mathematical scientists not listed separately.
Broad	17-1020	Surveyors, Cartographers, and Photogrammetrists	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	17-1021	Cartographers and Photogrammetrists	Research, study, and prepare maps and other spatial data in digital or graphic form for one or more purposes, such as legal, social, political, educational, and design purposes. May work with Geographic Information Systems (GIS). May design and evaluate algorithms, data structures, and use

			interfaces for GIS and mapping systems. May collect, analyze, and interpret geographic information provided by geodetic surveys, aerial photographs, and satellite data.
Detailed	17-1022	Surveyors	Make exact measurements and determine proper boundaries. Provide data relevant to the shape, contour, gravitation, location, elevation, or dimension of land or land features on or near the earth's surface for engineering, mapmaking, mining, land evaluation, construction, and other purposes.
Minor	17-2000	Engineers	
Broad	17-2010	Aerospace Engineers	
Detailed	17-2011	Aerospace Engineers	Perform engineering duties in designing, constructing, and testing aircraft, missiles, and spacecraft. May conduct basic and applied research to evaluate adaptability of materials and equipment to aircraft design and manufacture. May recommend improvements in testing equipment and techniques.
Broad	17-2020	Agricultural Engineers	
Detailed	17-2021	Agricultural Engineers	Apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products.
Broad	17-2030	Bioengineers and Biomedical Engineers	
Detailed	17-2031	Bioengineers and Biomedical Engineers	Apply knowledge of engineering, biology, chemistry, computer science, and biomechanical principles to the design, development, and evaluation of biological, agricultural, and health systems and products, such as artificial organs, prostheses, instrumentation, medical information systems, and health management and care delivery systems.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	17-2040	Chemical Engineers	
Detailed	17-2041	Chemical Engineers	Design chemical plant equipment and devise processes for manufacturing chemicals and products, such as gasoline, synthetic rubber, plastics, detergents, cement, paper, and pulp, by

			applying principles and technology of chemistry, physics, and engineering.
Broad	17-2050	Civil Engineers	
Detailed	17-2051	Civil Engineers	Perform engineering duties in planning, designing and overseeing construction and maintenance of building structures and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, and water and sewage systems. Includes architectural, structural, traffic, and geotechnical engineers. Excludes "Hydrologists"
Broad	17-2060	Computer Hardware Engineers	
Detailed	17-2061	Computer Hardware Engineers	Research, design, develop, or test computer or computer-related equipment for commercial, industrial, military, or scientific use. May supervise the manufacturing and installation of computer or computer-related equipment and components. Excludes "Software Developers" and "Web Developers"
Broad	17-2070	Electrical and Electronics Engineers	
Detailed	17-2071	Electrical Engineers	Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use. Excludes "Computer Hardware Engineers"
Detailed	17-2072	Electronics Engineers, Except Computer	Research, design, develop, or test electronic components and systems for commercial, industrial, military, or scientific use employing knowledge of electronic theory and materials properties. Design electronic circuits and components for use in fields such as telecommunications, aerospace guidance and propulsion control, acoustics, or instruments and controls. Excludes "Computer Hardware Engineer"

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	17-2080	Environmental Engineers	
Detailed	17-2081	Environmental Engineers	Research, design, plan, or perform engineering duties in the prevention, control, and remediation of environmental hazards using various engineering

			disciplines. Work may include waste treatment, si remediation, or pollution control technology.
Broad	17-2110	Industrial Engineers, Including Health and Safety	
Detailed	17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and industrial health and safety laws. Includes industrial product safety engineers.
Detailed	17-2112	Industrial Engineers	Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination. Excludes "Health and Safety Engineers, Except Mining Safety Engineers and Inspectors"
Broad	17-2120	Marine Engineers and Naval Architects	
Detailed	17-2121	Marine Engineers and Naval Architects	Design, develop, and evaluate the operation of marine vessels, ship machinery, and related equipment, such as power supply and propulsion systems.
Broad	17-2130	Materials Engineers	Broad
Detailed	17-2131	Materials Engineers	Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications. Develop new uses for known materials. Includes those engineers workin with composite materials or specializing in one ty of material, such as graphite, metal and metal alloys, ceramics and glass, plastics and polymers, and naturally occurring materials. Includes metallurgists and metallurgical engineers, cerami engineers, and welding engineers.
Broad	17-2140	Mechanical Engineers	
Detailed	17-2141	Mechanical Engineers	Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair o equipment such as centralized heat, gas, water, a steam systems.
SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	17-2150	Mining and Geological Engineers, Including Mining Safety Engineers	

Detailed	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	Conduct subsurface surveys to identify the characteristics of potential land or mining development sites. May specify the ground support systems, processes, and equipment for safe, economical, and environmentally sound extraction or underground construction activities. May inspect areas for unsafe geological conditions, equipment and working conditions. May design, implement, and coordinate mine safety programs. Excludes "Petroleum Engineers"
Broad	17-2170	Petroleum Engineers	
Detailed	17-2171	Petroleum Engineers	Devise methods to improve oil and gas extraction and production and determine the need for new or modified tool designs. Oversee drilling and offer technical advice.
Broad	17-2190	Miscellaneous Engineers	
Detailed	17-2199	Engineers, All Other	All engineers not listed separately. Excludes "Sales Engineers" , "Locomotive Engineers" and "Ship Engineers" .
Minor	17-3000	Drafters, Engineering Technicians, and Mapping Technicians	
Broad	17-3010	Drafters	
Detailed	17-3011	Architectural and Civil Drafters	Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways, bridges, and public works. Use knowledge of building materials, engineering practices, and mathematics to complete drawings.
Detailed	17-3012	Electrical and Electronics Drafters	Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	17-2080	Environmental Engineers	
Detailed	17-2081	Environmental Engineers	Research, design, plan, or perform engineering duties in the prevention, control, and remediation of environmental hazards using various engineering

			disciplines. Work may include waste treatment, si remediation, or pollution control technology.
Broad	17-2110	Industrial Engineers, Including Health and Safety	
Detailed	17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and industrial health and safety laws. Includes industrial product safety engineers.
Detailed	17-2112	Industrial Engineers	Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination. Excludes "Health and Safety Engineers, Except Mining Safety Engineers and Inspectors"
Broad	17-2120	Marine Engineers and Naval Architects	
Detailed	17-2121	Marine Engineers and Naval Architects	Design, develop, and evaluate the operation of marine vessels, ship machinery, and related equipment, such as power supply and propulsion systems.
Broad	17-2130	Materials Engineers	Broad
Detailed	17-2131	Materials Engineers	Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications. Develop new uses for known materials. Includes those engineers workin with composite materials or specializing in one ty of material, such as graphite, metal and metal alloys, ceramics and glass, plastics and polymers, and naturally occurring materials. Includes metallurgists and metallurgical engineers, cerami engineers, and welding engineers.
Broad	17-2140	Mechanical Engineers	
Detailed	17-2141	Mechanical Engineers	Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair o equipment such as centralized heat, gas, water, a steam systems.
SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	17-3013	Mechanical Drafters	Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.
Detailed	17-3019	Drafters, All Other	All drafters not listed separately.

Broad	17-3020	Engineering Technologists and Technicians, Except Drafters	
Detailed	17-3021	Aerospace Engineering and Operations Technologists and Technicians	Operate, install, adjust, and maintain integrated computer/communications systems, consoles, simulators, and other data acquisition, test, and measurement instruments and equipment, which are used to launch, track, position, and evaluate a and space vehicles. May record and interpret test data.
Detailed	17-3022	Civil Engineering Technologists and Technicians	Apply theory and principles of civil engineering in planning, designing, and overseeing construction and maintenance of structures and facilities under the direction of engineering staff or physical scientists.
Detailed	17-3023	Electrical and Electronic Engineering Technologists and Technicians	Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, adjust, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions. Excludes "Broadcast Technicians".
Detailed	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	Operate, test, maintain, or adjust unmanned, automated, servo mechanical, or electromechanical equipment. May operate unmanned submarines, aircraft, or other equipment to observe or record visual information at sites such as oil rigs, crop fields, buildings, or for similar infrastructure, deep ocean exploration, or hazardous waste removal. May assist engineers in testing and designing robotics equipment.
Detailed	17-3025	Environmental Engineering Technologists and Technicians	Apply theory and principles of environmental engineering to modify, test, and operate equipment and devices used in the prevention, control, and remediation of environmental problems, including waste treatment and site remediation, under the direction of engineering staff or scientists. May assist in the development of environmental remediation devices.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	17-2080	Environmental Engineers	
Detailed	17-2081	Environmental Engineers	Research, design, plan, or perform engineering duties in the prevention, control, and remediation of environmental hazards using various engineering disciplines. Work may include waste treatment, site remediation, or pollution control technology.
Broad	17-2110	Industrial Engineers, Including Health and Safety	
Detailed	17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and industrial health and safety laws. Includes industrial product safety engineers.
Detailed	17-2112	Industrial Engineers	Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination. Excludes "Health and Safety Engineers, Except Mining Safety Engineers and Inspectors"
Broad	17-2120	Marine Engineers and Naval Architects	
Detailed	17-2121	Marine Engineers and Naval Architects	Design, develop, and evaluate the operation of marine vessels, ship machinery, and related equipment, such as power supply and propulsion systems.
Broad	17-2130	Materials Engineers	Broad
Detailed	17-2131	Materials Engineers	Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications. Develop new uses for known materials. Includes those engineers working with composite materials or specializing in one type of material, such as graphite, metal and metal alloys, ceramics and glass, plastics and polymers, and naturally occurring materials. Includes metallurgists and metallurgical engineers, ceramic engineers, and welding engineers.
Broad	17-2140	Mechanical Engineers	
Detailed	17-2141	Mechanical Engineers	Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of equipment such as centralized heat, gas, water, and steam systems.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	17-3013	Mechanical Drafters	Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.
Detailed	17-3026	Industrial Engineering Technologists and Technicians	Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May perform time and motion studies on worker operations in a variety of industries for purposes such as establishing standard production rates or improving efficiency
Detailed	17-3027	Mechanical Engineering Technologists and Technicians	Apply theory and principles of mechanical engineering to modify, develop, test, or adjust machinery and equipment under direction of engineering staff or physical scientists.
Detailed	17-3028	Calibration Technologists and Technicians	Execute or adapt procedures and techniques for calibrating measurement devices, by applying knowledge of measurement science, mathematic physics, chemistry, and electronics, sometimes under the direction of engineering staff. Determine measurement standard suitability for calibrating measurement devices. May perform preventive maintenance on equipment. May perform corrective actions to address identified calibration problems. Excludes "Medical Equipment Preparer and "Timing Device Assemblers and Adjusters" .
Detailed	17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	All engineering technologists and technicians, except drafters, not listed separately.
Broad	17-3030	Surveying and Mapping Technicians	
Detailed	17-3031	Surveying and Mapping Technicians	Perform surveying and mapping duties, usually under the direction of an engineer, surveyor, cartographer, or photogrammetrist, to obtain data used for construction, mapmaking, boundary location, mining, or other purposes. May calculate mapmaking information and create maps from source data, such as surveying notes, aerial photography, satellite data, or other maps to show topographical features, political boundaries, and other features. May verify accuracy and completeness of maps. Excludes "Cartographers and Photogrammetrists" "Surveyors" and "Geoscientists, Except Hydrologists and Geographers" .

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Major	19-0000	Life, Physical, and Social Science Occupations	
Minor	19-1000	Life Scientists	
Broad	19-1010	Agricultural and Food Scientists	
Detailed	19-1011	Animal Scientists	Conduct research in the genetics, nutrition, reproduction, growth, and development of domestic farm animals.
Detailed	19-1012	Food Scientists and Technologists	Use chemistry, microbiology, engineering, and other sciences to study the principles underlying the processing and deterioration of foods; analyze food content to determine levels of vitamins, fat, sugar, and protein; discover new food sources; research ways to make processed foods safe, palatable, and healthful; and apply food science knowledge to determine best ways to process, package, preserve, store, and distribute food.
Detailed	19-1013	Soil and Plant Scientists	Conduct research in breeding, physiology, production, yield, and management of crops and agricultural plants or trees, shrubs, and nursery stock, their growth in soils, and control of pests; study the chemical, physical, biological, and mineralogical composition of soils as they relate to plant or crop growth. May classify and map soils and investigate effects of alternative practices on soil and crop productivity.
Broad	19-1020	Biological Scientists	
Detailed	19-1021	Biochemists and Biophysicists	Study the chemical composition or physical principles of living cells and organisms, their electrical and mechanical energy, and related phenomena. May conduct research to further understanding of the complex chemical combinations and reactions involved in metabolism, reproduction, growth, and heredity. May determine the effects of foods, drugs, serum hormones, and other substances on tissues and vital processes of living organisms.
Detailed	19-1022	Microbiologists	Investigate the growth, structure, development, and other characteristics of microscopic organisms such as bacteria, algae, or fungi. Includes medical microbiologists who study the relationship between organisms and disease or the effects of antibiotics on microorganisms.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	19-1022	Microbiologists	Investigate the growth, structure, development, and other characteristics of microscopic organism such as bacteria, algae, or fungi. Includes medical microbiologists who study the relationship between organisms and disease or the effects of antibiotics on microorganisms.
Detailed	19-1023	Zoologists and Biologists	Study the origins, behavior, diseases, genetics, and life processes of animals and wildlife. May specialize in wildlife research and management. May collect and analyze biological data to determine the environmental effects of present and potential use of land and water habitats.
Detailed	19-1029	Biological Scientists, All Other	All biological scientists not listed separately.
Broad	19-1030	Conservation and Environmental Professionals	
Detailed	19-1031	Conservation Scientists / Conservationist	Manage, improve, and protect natural resources to maximize their use without damaging the environment. May conduct soil surveys and develop plans to eliminate soil erosion or to protect rangelands. May instruct farmers, agricultural or production managers, in best ways to use crop rotation, contour plowing, or terracing to conserve soil and water; in the number and kind of livestock and forage plants best suited to particular ranges, and in range and farm improvements, such as fencing and reservoirs for stock watering. Exclude "Zoologists and Wildlife Biologists" and "Foresters."
Detailed	19-1032	Landfill Supervisors	Manage public and private forested lands for economic, recreational, and conservation purposes. May inventory the type, amount, and location of standing timber, appraise the timber's worth, negotiate the purchase, and draw up contracts for procurement. May determine how to conserve wildlife habitats, creek beds, water quality, and soil stability, and how best to comply with environmental regulations. May devise plans for planting and growing new trees, monitor trees for healthy growth, and determine optimal harvesting schedules.
Broad	19-1040	Medical Scientists	
Detailed	19-1041	Epidemiologists	Investigate and describe the determinants and distribution of disease, disability, or health outcomes. May develop the means for prevention and control.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	19-1042	Medical Scientists, Except Epidemiologists	Conduct research dealing with the understanding of human diseases and the improvement of human health. Engage in clinical investigation, research and development, or other related activities. Includes physicians, dentists, pharmacologists, and medical pathologists who primarily conduct research. Practitioners who primarily provide medical or dental care or dispense drugs are included in "Healthcare Diagnosing or Treating Practitioners").
Broad	19-1090	Miscellaneous Life Scientists	
Detailed	19-1099	Life Scientists, All Other	All life scientists not listed separately.
Minor	19-2000	Physical Scientists	
Broad	19-2010	Physicists	
Detailed	19-2011	Physicists	Conduct research into physical phenomena, develop theories on the basis of observation and experiments, and devise methods to apply physical laws and theories. Excludes "Biochemists and Biophysicists"
Broad	19-2020	Chemists and Materials Scientists	
Detailed	19-2021	Chemists	Conduct qualitative and quantitative chemical analyses or experiments in laboratories for quality or process control or to develop new products or knowledge. Excludes "Biochemists and Biophysicists" and "Geoscientists, Except Hydrologists and Geographers"
Broad	19-2030	Environmental Scientists and Geoscientists	
Detailed	19-2031	Environmental Scientists and Specialists, Including Health	Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or public health. Using knowledge of various scientific disciplines, may collect, synthesize, study, report, and recommend action based on data derived from measurements or observations of air, food, soil, water, and other sources. Excludes "Zoologists and Wildlife Biologists" "Conservation Scientists" "Forest and Conservation Technicians" "Occupational Health and Safety Specialists" "Fish and Game Wardens" and "Forest and Conservation Workers".

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	19-2032	Geoscientists, Except Hydrologists and Geographers	Study the composition, structure, and other physical aspects of the Earth. May use geological, physics, and mathematics knowledge in exploration for oil, gas, minerals, or underground water; or in waste disposal, land reclamation, or other environmental problems. May study the Earth's internal composition, atmospheres, and oceans, and its magnetic, electrical, and gravitational forces. Includes mineralogists, paleontologists, stratigraphers, geodesists, and seismologists.
Detailed	19-2033	Hydrologists	Research the distribution, circulation, and physical properties of underground and surface waters; or study the form and intensity of precipitation and rate of infiltration into the soil, movement through the earth, and return to the ocean and atmosphere.
Broad	19-2090	Miscellaneous Physical Scientists	
Detailed	19-2099	Physical Scientists, All Other	All physical scientists not listed separately.
Minor	19-3000	Social Scientists and Related Workers	
Broad	19-3010	Economists	
Detailed	19-3011	Economists	Conduct research, prepare reports, or formulate plans to address economic problems related to the production and distribution of goods and services or monetary and fiscal policy. May collect and process economic and statistical data using sampling techniques and econometric methods. Excludes "Market Research Analysts and Marketing Specialists"
Broad	19-3020	Survey Researchers	
Detailed	19-3022	Survey Researchers	Plan, develop, or conduct surveys. May analyze and interpret the meaning of survey data, determine survey objectives, or suggest or test question wording. Includes social scientists who primarily design questionnaires or supervise survey teams. Excludes "Market Research Analysts and Marketing Specialists" and "Statisticians"
Broad	19-3030	Psychologists	
Detailed	19-3032	Organizational Psychologists	Apply principles of psychology to human resource administration, management, sales, and marketing problems. Activities may include policy planning; employee testing and selection, training, and development; and organizational development and analysis. May work with management to organize the work setting to improve worker productivity.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	19-3034	School Psychologists	Diagnose and implement individual or schoolwide interventions or strategies to address educational behavioral, or developmental issues that adversely impact educational functioning in a school. May address student learning and behavioral problems and counsel students or families. May design and implement performance plans, and evaluate performance. May consult with other school-based personnel.
Detailed	19-3039	Psychologists, All Other	All psychologists not listed separately.
Broad	19-3040	Sociologists	
Detailed	19-3041	Sociologists	Study human society and social behavior by examining the groups and social institutions that people form, as well as various social, religious, political, and business organizations. May study the behavior and interaction of groups, trace their origin and growth, and analyze the influence of group activities on individual members.
Broad	19-3090	Miscellaneous Social Scientists and Related Workers	
Detailed	19-3091	Anthropologists and Archeologists	Study the origin, development, and behavior of human beings. May study the way of life, language or physical characteristics of people in various parts of the world. May engage in systematic recovery and examination of material evidence, such as tools or pottery remaining from past human cultures, in order to determine the history, customs, and living habits of earlier civilizations.
Detailed	19-3092	Geographers	Study the nature and use of areas of the Earth's surface, relating and interpreting interactions of physical and cultural phenomena. Conduct research on physical aspects of a region, including land forms, climates, soils, plants, and animals, and conduct research on the spatial implications of human activities within a given area, including social characteristics, economic activities, and political organization, as well as researching interdependence between regions at scales ranging from local to global.
Detailed	19-3093	Historians	Research, analyze, record, and interpret the past recorded in sources, such as government and institutional records, newspapers and other periodicals, photographs, interviews, films, electronic media, and unpublished manuscripts, such as personal diaries and letters.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	19-3094	Political Scientists	Study the origin, development, and operation of political systems. May study topics, such as public opinion, political decision making, and ideology. May analyze the structure and operation of governments, as well as various political entities. May conduct public opinion surveys, analyze election results, or analyze public documents. Excludes "Survey Researchers".
Detailed	19-3095	Planners	Develop comprehensive plans and programs for use of land and physical facilities of jurisdictions, such as towns, cities, counties, and metropolitan areas.
Detailed	19-3099	Social Scientists and Related Workers, All Other	All social scientists and related workers not listed separately.
Minor	19-4000	Life, Physical, and Social Science Technicians	
Broad	19-4010	Agricultural and Food Science Technicians	
Detailed	19-4012	Agricultural Technicians	Work with agricultural scientists in plant, fiber, or animal research, or assist with animal breeding or nutrition. Set up or maintain laboratory equipment and collect samples from crops or animals. Prepare specimens or record data to assist scientists in biology or related life science experiments. Conduct tests and experiments to improve yield and quality of crops or to increase the resistance of plants and animals to disease or insects.
Detailed	19-4013	Food Science Technicians	Work with food scientists or technologists to perform standardized qualitative and quantitative tests to determine physical or chemical properties of food or beverage products. Includes technician who assist in research and development of production technology, quality control, packaging processing, and use of foods.
Broad	19-4020	Biological Technicians	
Detailed	19-4021	Biological Technicians	Assist biological and medical scientists. Set up, operate, and maintain laboratory instruments and equipment, monitor experiments, collect data and samples, make observations, and calculate and record results. May analyze organic substances, such as blood, food, and drugs.
Broad	19-4030	Chemical Technicians	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	19-4031	Chemical Technicians	Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for research and development of new products or processes, quality control, maintenance of environmental standards, and other work involving experimental, theoretical, or practical application of chemistry and related sciences.
Broad	19-4040	Environmental Science and Geo-science Technicians	
Detailed	19-4042	Environmental Science and Protection Technicians, Including Health	Perform laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health, under the direction of an environmental scientist, engineer, or other specialist. May collect samples of gases, soil, water, and other materials for testing.
Detailed	19-4043	Geological Technicians, Except Hydrologic Technicians	Assist scientists or engineers in the use of electronic, sonic, or nuclear measuring instruments in laboratory, exploration, and production activities to obtain data indicating resources such as metallic ore, minerals, gas, coal, or petroleum. Analyze mud and drill cuttings. Chart pressure, temperature, and other characteristics of wells or bore holes.
Detailed	19-4044	Hydrologic Technicians	Collect and organize data concerning the distribution and circulation of ground and surface water, and data on its physical, chemical, and biological properties. Measure and report on flow rates and ground water levels, maintain field equipment, collect water samples, install and collect sampling equipment, and process samples for shipment to testing laboratories. May collect data on behalf of hydrologists, engineers, developers, government agencies, or agriculture. Excludes "Hydrologists".
Broad	19-4060	Social Science Research Assistants	
Detailed	19-4061	Social Science Research Assistants	Assist social scientists in laboratory, survey, and other social science research. May help prepare findings for publication and assist in laboratory analysis, quality control, or data management. Excludes "Teaching Assistants, Postsecondary".
Broad	19-4070	Conservation Technicians	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	19-4071	Conservation Technicians	Provide technical assistance regarding the conservation of soil, water, forests, or related natural resources. May compile data pertaining to size, content, condition, and other characteristics of forest tracts under the direction of foresters, or train and lead forest workers in forest propagation and fire prevention and suppression. May assist conservation scientists in managing, improving, and protecting rangelands and wildlife habitats. Excludes "Conservation Scientists" and "Foresters"
Broad	19-4090	Miscellaneous Life, Physical, and Social Science Technicians	
Detailed	19-4092	Forensic Technicians	Collect, identify, classify, and analyze physical evidence related to criminal investigations. Perform tests on weapons or substances, such as fiber, hair, and tissue to determine significance to investigation. May testify as expert witnesses on evidence or crime laboratory techniques. May serve as specialists in area of expertise, such as ballistics, fingerprinting, handwriting, or biochemistry.
Detailed	19-4099	Life, Physical, and Social Science Technicians, All Other	All life, physical, and social science technicians not listed separately.
Minor	19-5000	Occupational Health and Safety Specialists and Technicians	
Broad	19-5010	Occupational Health and Safety Specialists and Technicians	
Detailed	19-5011	Occupational Health and Safety Specialists	Review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors. May conduct inspections and enforce adherence to laws and regulations governing the health and safety of individuals. May be employed in the public or private sector.
Detailed	19-5012	Occupational Health and Safety Technicians	Collect data on work environments for analysis by occupational health and safety specialists. Implement and conduct evaluation of programs designed to limit chemical, physical, biological, and ergonomic risks to workers.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Major	21-0000	Community, Social and Public Service Occupations	
Minor	21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	
Broad	21-1010	Counselors	
Detailed	21-1011	Substance Abuse and Behavioral Disorder Counselors	Counsel and advise individuals with alcohol, tobacco, drug, or other problems, such as gambling and eating disorders. May counsel individuals, families, or groups or engage in prevention programs. Excludes “Psychologists” through “Mental Health Counselors” ,and “Social Workers through providing these services.
Detailed	21-1012	Educational, Guidance, and Career Counselors and Advisors	Advise and assist students and provide education and vocational guidance services.
Detailed	21-1013	Marriage and Family Therapists	Diagnose and treat mental and emotional disorders, whether cognitive, affective, or behavioral, within the context of marriage and family systems. Apply psychotherapeutic and family systems theories and techniques in the delivery of services to individuals, couples, and families for the purpose of treating such diagnosed nervous and mental disorders. Excludes “Psychologists” through and “Social Workers”
Detailed	21-1014	Mental Health Counselors	Counsel and advise individuals and groups to promote optimum mental and emotional health, with an emphasis on prevention. May help individuals deal with a broad range of mental health issues, such as those associated with addictions and substance abuse; family, parenting and marital problems; stress management; self-esteem; or aging. Excludes “Psychologists” “Social Workers” and “Psychiatrists”
Detailed	21-1015	Rehabilitation Counselors	Counsel individuals to maximize the independence and employability of persons coping with personal, social, and vocational difficulties that result from birth defects, illness, disease, accidents, aging, or the stress of daily life. Coordinate activities for residents of care and treatment facilities. Assess client needs and design and implement rehabilitation programs that may include personal and vocational counseling, training, and job placement. Excludes “Occupational Therapists”
Detailed	21-1019	Counselors, All Other	All counselors not listed separately.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	21-1020	Social Workers	
Detailed	21-1021	Child, Family, and School Social Workers	Provide social services and assistance to improve the social and psychological functioning of children and their families and to maximize the family well-being and the academic functioning of children. May assist parents, arrange adoptions, and find foster homes for abandoned or abused children. In schools, they address such problems as teenage pregnancy, misbehavior, and truancy. May also advise teachers.
Detailed	21-1022	Healthcare Social Workers	Provide individuals, families, and groups with the psychosocial support needed to cope with chronic, acute, or terminal illnesses. Services include advising family caregivers. Provide patients with information and counseling, and make referrals for other services. May also provide case and care management or interventions designed to promote health, prevent disease, and address barriers to access to healthcare.
Detailed	21-1023	Mental Health and Substance Abuse Social Workers	Assess and treat individuals with mental, emotional, or substance abuse problems, including abuse of alcohol, tobacco, and/or other drugs. Activities may include individual and group therapy, crisis intervention, case management, client advocacy, prevention, and education.
Detailed	21-1029	Social Workers, All Other	All social workers not listed separately.
Broad	21-1090	Miscellaneous Community and Social Service Specialists	
Detailed	21-1091	Health Education Specialists	Provide and manage health education programs that help individuals, families, and their communities maximize and maintain healthy lifestyles. Use data to identify community needs prior to planning, implementing, monitoring, and evaluating programs designed to encourage healthy lifestyles, policies, and environments. May link health systems, health providers, insurers, and patients to address individual and population health needs. May serve as resource to assist individuals, other health professionals, or the community, and may administer fiscal resources for health education programs. Excludes "Community Health Workers".

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	21-1092	Probation Officers and Correctional Treatment Specialists	Provide social services to assist in rehabilitation of law offenders in custody or on probation or parole. Make recommendations for actions involving formulation of rehabilitation plan and treatment of offender, including conditional release and education and employment stipulations.
Detailed	21-1093	Social and Human Service Assistants	Assist other social and human service providers in providing client services in a wide variety of fields such as psychology, rehabilitation, or social work, including support for families. May assist clients in identifying and obtaining available benefits and social and community services. May assist social workers with developing, organizing, and conducting programs to prevent and resolve problems relevant to substance abuse, human relationships, rehabilitation, or dependent care. Excludes "Rehabilitation Counselors", "Psychiatric Technicians", "Personal Care Aides", and "Eligible Interviewers, Government Programs".
Detailed	21-1094	Community Health Workers	Promote health within a community by assisting individuals to adopt healthy behaviors. Serve as an advocate for the health needs of individuals by assisting community residents in effectively communicating with healthcare providers or social service agencies. Act as liaison or advocate and implement programs that promote, maintain, and improve individual and overall community health. May deliver health-related preventive services such as blood pressure, glaucoma, and hearing screenings. May collect data to help identify community health needs. Excludes "Health Education Specialists".
Detailed	21-1099	Community and Social Service Specialists, All Other	All community and social service specialists not listed separately.
Minor	21-2000	Religious Workers	
Broad	21-2010	Ministers, Clergy, Elders and Priest	
Detailed	21-2011	Ministers and Clergy	Conduct religious worship and perform other spiritual functions associated with beliefs and practices of religious faith or denomination. Provide spiritual and moral guidance and assistance to members.
	21-2011	Priest	
	21-2012	Rastafarian, Elders	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	21-2020	Directors, Religious Activities and Education	Coordinate or design programs and conduct outreach to promote the religious education or activities of a denominational group. May provide counseling, guidance, and leadership relative to marital, health, financial, and religious problems.
Broad	21-2090	Miscellaneous Religious Workers	
Detailed	21-2099	Religious Workers, All Other	All religious workers not listed separately.
Major	23-0000	Legal Occupations	
Minor	23-1000	Lawyers, Judges, and Related Workers	
Broad	23-1010	Lawyers and Judicial Law Clerks	
Detailed	23-1011	Lawyers	Represent clients in criminal and civil litigation and other legal proceedings, draw up legal documents, or manage or advise clients on legal transactions. May specialize in a single area or may practice broadly in many areas of law.
Detailed	23-1012	Judicial Law Clerks	Assist judges in court or by conducting research or preparing legal documents. Excludes "Lawyers" and "Paralegals and Legal Assistants".
	23-1013	Legal Draftsman	
	23-1014	Court registrar	
Broad	23-1020	Judges, Magistrates, and Other Judicial Workers	
Detailed	23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	Conduct hearings to recommend or make decisions on claims concerning government programs or other government-related matters. Determine liability, sanctions, or penalties, or recommend the acceptance or rejection of claims or settlements. Excludes "Arbitrators, Mediators, and Conciliators".
Detailed	23-1022	Arbitrators, Mediators, and Conciliators	Facilitate negotiation and conflict resolution through dialogue. Resolve conflicts outside of the court system by mutual consent of parties involved.
Detailed	23-1023	Judges, Magistrate Judges, and Magistrates	Arbitrate, advise, adjudicate, or administer justice in a court of law. May sentence defendant in criminal cases according to government statutes and sentencing guidelines. May determine liability of defendant in civil cases. May perform wedding ceremonies.
Minor	23-2000	Legal Support Workers	
Broad	23-2010	Paralegals and Legal Assistants	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	23-2011	Paralegals and Legal Assistants	Assist lawyers by investigating facts, preparing legal documents, or researching legal precedent. Conduct research to support a legal proceeding, to formulate a defense, or to initiate legal action. Excludes "Legal Secretaries and Administrative Assistants"
Broad	23-2090	Miscellaneous Legal Support Workers	
Detailed	23-2093	Title Examiners, Abstractors, and Searchers	Search real estate records, examine titles, or summarize pertinent legal or insurance documents or details for a variety of purposes. May compile lists of mortgages, contracts, and other instruments pertaining to titles by searching public and private records for law firms, real estate agencies, or title insurance companies. Excludes "Loan Officers"
	23-2094	Bailiff	
	23-2095	Justice of the	
Detailed	23-2099	Legal Support Workers, All Other	All legal support workers not listed separately.
Major	25-0000	Education Training and Library Occupations	
Minor	25-1000	Educators and Teaching Professionals	
Broad	25-1010	University and Higher Education Educators	
Detailed	25-1011	Professors	
Detailed	25-1012	Lecturers	
Detailed	25-1013	Assistant Lecturers	
Detailed	25-1014	University Tutor	
Broad	25-1020	Technical Vocational Education Teachers	
Detailed	25-1021	Technical Vocational Education Teachers	
Detailed	25-1022	Trainers	
Broad	25-1030	Secondary Education Teachers	
Detailed	25-1031	Secondary Education Teachers	
Detailed	25-1032	Teaching Assistant	
Broad	25-1040	Primary Education and Early Childhood Teachers	
Detailed	25-1041	Primary Education Teachers	
Detailed	25-1042	Early Childhood Teachers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	25-1043	Assistant Teachers	
Broad	25-1050	Education Methods Specialist	
Detailed	25-1051	Education Methods Specialist	
Detailed	25-1052	Education Officer	
Detailed	25-1053	School Inspector	
Detailed	25-1054	Literacy Specialist	
Detailed	25-1055	Numeracy Specialist	
Broad	25-1060	Special Needs Teachers	
Detailed	25-1061	Teacher Visually Impaired	
Detailed	25-1062	Teacher Learning Impaired	
Detailed	25-1063	Teacher Special Needs	
Broad	25-1070	Other Specialist	
Detailed	25-1071	Foreign language Teachers	
Detailed	25-1072	Music Teachers	
Detailed	25-1073	Visual Arts Teachers	Teach courses in the arts including fine and applied art, such as painting and sculpture, or design and crafts. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Detailed	25-1074	Performing Arts Teachers	
Detailed	25-1075	Information Technology and Graphic Arts Teachers	
Detailed	25-1076	Adult Literacy Teachers	
Detailed	25-1077	Guidance Counsellors	
Detailed	25-1078	Invigilator	
Detailed	25-1099	Teachers and Instructors, All Other Support Staff	All teachers and instructors not listed separately.
Minor	25-2000	Librarians, Curators, and Archivists	
Broad	25-2010	Archivists, Curators, and Museum Technicians	
Detailed	25-2011	Archivists	Appraise, edit, and direct safekeeping of permanent records and historically valuable documents. Participate in research activities based on archival materials.
Detailed	25-2012	Curators	Administer collections, such as artwork, collectibles, historic items, or scientific specimens of museums or other institutions. May conduct instructional, research, or public service activities in institution.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	25-2013	Museum Technicians and Conservators	Restore, maintain, or prepare objects in museum collections for storage, research, or exhibit. May work with specimens such as fossils, skeletal parts or botanicals; or artifacts, textiles, or art. May identify and record objects or install and arrange them in exhibits. Includes book or document conservators.
Broad	25-2020	Librarians and Media Collections Specialists	
Detailed	25-2021	Librarians and Media Collections Specialists	Administer and maintain libraries or collections of information, for public or private access through reference or borrowing. Work in a variety of settings, such as educational institutions, museums and corporations, and with various types of informational materials, such as books, periodical recordings, films, and databases. Tasks may include acquiring, cataloging, and circulating library materials, and user services such as locating and organizing information, providing instruction on how to access information, and setting up and operating a library's media equipment.
Broad	25-2030	Library Technicians	
Detailed	25-2031	Library Technicians	Assist librarians by helping readers in the use of library catalogs, databases, and indexes to locate books and other materials; and by answering questions that require only brief consultation of standard reference. Compile records; sort and shelve books or other media; remove or repair damaged books or other media; register patrons; and check materials in and out of the circulation process. Replace materials in shelving area (stacks) or files. Includes bookmobile drivers who assist with providing services in mobile libraries.
Major	27-0000	Arts, Design, Entertainment, Recreation, Sports, and Media Occupations	
Minor	27-1000	Art and Design Workers	
Broad	27-1010	Artists and Related Workers	
Detailed	27-1011	Art Directors	Formulate design concepts and presentation approaches for visual productions and media, such as print, broadcasting, video, and film. Direct workers engaged in artwork or layout design. Excludes "Set and Exhibit Designers"

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	27-1012	Craft Artists	Create or reproduce handmade objects for sale at exhibition using a variety of techniques, such as welding, weaving, pottery, and needlecraft.
Detailed	27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	Create original artwork using any of a wide variety of media and techniques.
Detailed	27-1014	Special Effects Artists and Animators	Create special effects or animations using film, video, computers, or other electronic tools and media for use in products, such as computer games, movies, music videos, and commercials.
Detailed	27-1019	Artists and Related Workers, All Other	All artists and related workers not listed separately.
Broad	27-1020	Designers	
Detailed	27-1021	Commercial and Industrial Designers	Design and develop manufactured products, such as cars, home appliances, and children's toys. Combine artistic talent with research on product use, marketing, and materials to create the most functional and appealing product design.
Detailed	27-1022	Fashion Designers	Design clothing and accessories. Create original designs or adapt fashion trends.
Detailed	27-1023	Floral Designers	Design, cut, and arrange live, dried, or artificial flowers and foliage.
Detailed	27-1024	Graphic Designers	Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a variety of mediums to achieve artistic or decorative effects. Excludes "Web and Digital Interface Designers"
Detailed	27-1025	Interior Designers	Plan, design, and furnish the internal space of rooms or buildings. Design interior environments create physical layouts that are practical, aesthetically pleasing, and conducive to the intended purposes. May specialize in a particular field, style, or phase of interior design. Excludes "Merchandise Displayers and Window Trimmers"
Detailed	27-1026	Merchandise Displayers and Window Trimmers	Plan and erect commercial displays, such as those in windows and interiors of retail stores and at trade exhibitions.
Detailed	27-1027	Set and Exhibit Designers	Design special exhibits and sets for film, video, television, and theater productions. May study scripts, confer with directors, and conduct research to determine appropriate architectural styles.
Detailed	27-1029	Designers, All Other	All designers not listed separately.
Minor	27-2000	Entertainers and Performers, Sports and Related Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	27-2010	Actors, Producers, and Directors	
Detailed	27-2011	Actors	Play parts in stage, television, radio, video, or film productions, or other settings for entertainment, information, or instruction. Interpret serious or comic role by speech, gesture, and body movement to entertain or inform audience. May dance and sing.
Detailed	27-2012	Producers and Directors	Produce or direct stage, television, radio, video, or film productions for entertainment, information, or instruction. Responsible for creative decisions, such as interpretation of script, choice of actors or guests, set design, sound, special effects, and choreography.
Broad	27-2020	Athletes, Coaches, Umpires, and Related Workers	
Detailed	27-2021	Athletes and Sports Competitors	Compete in athletic events.
Detailed	27-2022	Coaches and Scouts	Instruct or coach groups or individuals in the fundamentals of sports for the primary purpose of competition. Demonstrate techniques and methods of participation. May evaluate athletes' strengths and weaknesses as possible recruits or to improve the athletes' technique to prepare them for competition. Those required to hold teaching certifications should be reported in the appropriate teaching category. Excludes "Athletic Trainers".
Detailed	27-2023	Umpires, Referees, and Other Sports Officials	Officiate at competitive athletic or sporting event. Detect infractions of rules and decide penalties according to established regulations. Includes all sporting officials, referees, and competition judges.
Broad	27-2030	Dancers and Choreographers	
Detailed	27-2031	Dancers	Perform dances. May perform on stage, for broadcasting, or for video recording.
Detailed	27-2032	Choreographers	Create new dance routines. Rehearse performance of routines. May direct and stage presentations.
Broad	27-2040	Musicians, Singers, and Related Workers	
Detailed	27-2041	Music Directors and Composers	Conduct, direct, plan, and lead instrumental or vocal performances by musical artists or groups, such as orchestras, bands, choirs, and glee clubs; create original works of music.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	27-2042	Musicians and Singers	Play one or more musical instruments or sing. May perform on stage, for broadcasting, or for sound or video recording.
Broad	27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	
Detailed	27-2091	Disc Jockeys, Except Radio	Play prerecorded music for live audiences at venues or events such as clubs, parties, or wedding receptions. May use techniques such as mixing, cutting, or sampling to manipulate recordings. May also perform as emcee (master of ceremonies). Radio disc jockeys are included in "Broadcast Announcers and Radio Disc Jockeys" Excludes "Musicians and Singers"), "Audio and Video Technicians" and "Sound Engineering Technicians"
Detailed	27-2099	Entertainers and Performers, Sports and Related Workers, All Other	All entertainers and performers, sports and related workers not listed separately.
Detailed	27-2042	Musicians and Singers	Play one or more musical instruments or sing. May perform on stage, for broadcasting, or for sound or video recording.
Minor	27-3000	Media and Communication Workers	
Broad	27-3010	Broadcast Announcers and Radio Disc Jockeys	
Detailed	27-3011	Broadcast Announcers and Radio Disc Jockeys	Speak or read from scripted materials, such as news reports or commercial messages, on radio, television, or other communications media. May play and queue music, announce artist or title of performance, identify station, or interview guests Excludes "News Analysts, Reporters, and Journalists"
Broad	27-3020	News Analysts, Reporters and Journalists	
Detailed	27-3023	News Analysts, Reporters, and Journalists	Narrate or write news stories, reviews, or commentary for print, broadcast, or other communications media such as newspapers, magazines, radio, or television. May collect and analyze information through interview, investigation, or observation.
Broad	27-3030	Public Relations Specialists	
Detailed	27-3031	Public Relations Specialists	Promote or create an intended public image for individuals, groups, or organizations. May write or select material for release to various communications media. May specialize in using social media.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	27-3040	Writers and Editors	
Detailed	27-3041	Editors	Plan, coordinate, revise, or edit written material. May review proposals and drafts for possible publication.
Detailed	27-3042	Technical Writers	Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work.
Detailed	27-3043	Writers and Authors	Originate and prepare written material, such as scripts, stories, advertisements, and other material. Excludes "News Analysts, Reporters, and Journalists", "Public Relations Specialists", and "Technical Writers".
Broad	27-3090	Miscellaneous Media and Communication Workers	
Detailed	27-3091	Interpreters and Translators	Interpret oral or sign language, or translate written text from one language into another.
Detailed	27-3092	Court Reporters and Simultaneous Captioners	Use verbatim methods and equipment to capture, store, retrieve, and transcribe pretrial and trial proceedings or other information. Includes stenographers who operate computerized stenographic captioning equipment to provide captions of live or prerecorded broadcasts for hearing-impaired viewers.
Detailed	27-3099	Media and Communication Workers, All Other	All media and communication workers not listed separately.
Minor	27-4000	Media and Communication Equipment Workers	
Broad	27-4010	Broadcast, Sound, and Lighting Technicians	
Detailed	27-4011	Audio and Video Technicians	Set up, maintain, and dismantle audio and video equipment, such as microphones, sound speakers, connecting wires and cables, sound and mixing boards, video cameras, video monitors and servers, and related electronic equipment for live or recorded events, such as concerts, meetings, conventions, presentations, podcasts, news conferences, and sporting events. Excludes "Sound Engineering Technicians", "Lighting Technicians", and "Audiovisual Equipment Installers and Repairers".

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	27-4012	Broadcast Technicians	Set up, operate, and maintain the electronic equipment used to acquire, edit, and transmit audio and video for radio or television programs. Control and adjust incoming and outgoing broadcast signals to regulate sound volume, signal strength, and signal clarity. Operate satellite, microwave, or other transmitter equipment to broadcast radio or television programs.
Detailed	27-4014	Sound Engineering Technicians	Assemble and operate equipment to record, synchronize, mix, edit, or reproduce sound, including music, voices, or sound effects, for theater, video, film, television, podcasts, sporting events, and other productions. Excludes "Audio and Video Technicians".
Detailed	27-4015	Lighting Technicians	Set up, maintain, and dismantle light fixtures, lighting control devices, and the associated lighting electrical and rigging equipment used for photography, television, film, video, and live productions. May focus or operate light fixtures, and attach color filters or other lighting accessories. Excludes "Audio and Video Technicians".
Broad	27-4020	Photographers	
Detailed	27-4021	Photographers	Photograph people, landscapes, merchandise, or other subjects. May use lighting equipment to enhance a subject's appearance. May use editing software to produce finished images and prints. Includes commercial and industrial photographer, scientific photographers, and photojournalists. Excludes "Camera Operators, Television, Video, and Film".
Broad	27-4030	Television, Video, and Film Camera Operators & Editors	
Detailed	27-4031	Camera Operators, Television, Video, and Film	Operate television, video, or film camera to record images or scenes for television, video, or film productions.
Detailed	27-4032	Film and Video Editors	Edit moving images on film, video, or other media. May work with a producer or director to organize images for final production. May edit or synchronize soundtracks with images. Excludes "Sound Engineering Technicians".
Broad	27-4090	Miscellaneous Media and Communication Equipment Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	27-4099	Media and Communication Equipment Workers, All Other	All media and communication equipment workers not listed separately.
Major	29-0000	Healthcare Practitioners and Technical Occupations	
Minor	29-1000	Healthcare Diagnosing or Treating Practitioners	
Broad	29-1010	Chiropractors	
Detailed	29-1011	Chiropractors	Assess, treat, and care for patients by manipulation of spine and musculoskeletal system. May provide spinal adjustment or address sacral or pelvic misalignment.
Broad	29-1020	Dentists	
Detailed	29-1021	Dentists, General	Examine, diagnose, and treat diseases, injuries, and malformations of teeth and gums. May treat diseases of nerve, pulp, and other dental tissues affecting oral hygiene and retention of teeth. May fit dental appliances or provide preventive care. Excludes "Oral and Maxillofacial Surgeons", "Orthodontists", "Prosthodontists"), and "Dentist All Other Specialists"
Detailed	29-1023	Orthodontists	Examine, diagnose, and treat dental malocclusion and oral cavity anomalies. Design and fabricate appliances to realign teeth and jaws to produce and maintain normal function and to improve appearance.
Detailed	29-1024	Prosthodontists	Diagnose, treat, rehabilitate, design, and fit prostheses that maintain oral function, health, and appearance for patients with clinical conditions associated with teeth, oral and maxillofacial tissue, or the jaw.
Detailed	29-1029	Dentists, All Other Specialists	All dentists not listed separately.
Broad	29-1030	Dietitians and Nutritionists	
Detailed	29-1031	Dietitians and Nutritionists	Plan and conduct food service or nutritional programs to assist in the promotion of health and control of disease. May supervise activities of a department providing quantity food services, counsel individuals, or conduct nutritional research.
Broad	29-1040	Optometrists	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-1041	Optometrists	Diagnose, manage, and treat conditions and diseases of the human eye and visual system. Examine eyes and visual system, diagnose problems or impairments, prescribe corrective lenses, and provide treatment. May prescribe therapeutic drugs to treat specific eye conditions. Ophthalmologists are included in "Ophthalmologists, Except Pediatric"
Broad	29-1050	Pharmacists	
Detailed	29-1051	Pharmacists	Dispense drugs prescribed by physicians and other health practitioners and provide information to patients about medications and their use. May advise physicians and other health practitioners on the selection, dosage, interactions, and side effects of medications.
Broad	29-1070	Physician Assistants	
Detailed	29-1071	Physician Assistants	Provide healthcare services typically performed by a physician, under the supervision of a physician. Conduct complete physicals, provide treatment, and counsel patients. May, in some cases, prescribe medication. Must graduate from an accredited educational program for physician assistants. Excludes "Registered Nurses", "Nurse Anesthetist", "Nurse Midwives", "Nurse Practitioners", "Emergency Medical Technicians", "Paramedics", "Surgical Assistants", and "Medical Assistants".
Broad	29-1080	Podiatrists	
Detailed	29-1081	Podiatrists	Diagnose and treat diseases and deformities of the human foot.
Broad	29-1120	Therapists	
Detailed	29-1122	Occupational Therapists	Assess, plan, and organize rehabilitative programs that help build or restore vocational, homemaking, and daily living skills, as well as general independence, to persons with disabilities or developmental delays. Use therapeutic techniques to adapt the individual's environment, teach skills, and modify specific tasks that present barriers to the individual. Excludes "Rehabilitation Counselors".
Detailed	29-1123	Physical Therapists	Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and improve or correct disabling conditions resulting from disease or injury.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-1124	Radiation Therapists	Provide radiation therapy to patients as prescribe by a radiation oncologist according to established practices and standards. Duties may include reviewing prescription and diagnosis; acting as liaison with physician and supportive care personnel; preparing equipment, such as immobilization, treatment, and protection device and maintaining records, reports, and files. May assist in dosimetry procedures and tumor localization.
Detailed	29-1125	Recreational Therapists	Plan, direct, or coordinate medically-approved recreation programs for patients in hospitals, nursing homes, or other institutions. Activities include sports, trips, dramatics, social activities, a crafts. May assess a patient condition and recommend appropriate recreational activity. Excludes "Recreation Workers".
Detailed	29-1126	Respiratory Therapists	Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate equipment.
Detailed	29-1127	Speech-Language Pathologists	Assess and treat persons with speech, language, voice, and fluency disorders. May select alternative communication systems and teach their use. May perform research related to speech and language problems.
Detailed	29-1128	Exercise Physiologists	Assess, plan, or implement fitness programs that include exercise or physical activities such as those designed to improve cardiorespiratory function, body composition, muscular strength, muscular endurance, or flexibility. Excludes "Physical Therapists", "Athletic Trainers", and "Exercise Trainers and Group Fitness Instructors".
Detailed	29-1129	Therapists, All Other	All therapists not listed separately.
Broad	29-1130	Veterinarians	
Detailed	29-1131	Veterinarians	Diagnose, treat, or research diseases and injuries animals. Includes veterinarians who conduct research and development, inspect livestock, or care for pets and companion animals.
Broad	29-1140	Registered Nurses	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-1141	Registered Nurses	Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensure or registration required. Includes Clinical Nurse Specialists. Excludes "Nurse Anesthetists", "Nurse Midwives", and "Nurse Practitioners".
Broad	29-1150	Nurse Anesthetists	
Detailed	29-1151	Nurse Anesthetists	Administer anesthesia, monitor patient's vital signs and oversee patient recovery from anesthesia. May assist anesthesiologists, surgeons, other physicians or dentists. Must be registered nurses who have specialized graduate education.
Broad	29-1160	Nurse Midwives	
Detailed	29-1161	Nurse Midwives	Diagnose and coordinate all aspects of the birth process, either independently or as part of a healthcare team. May provide well-woman gynecological care. Must have specialized, graduate nursing education.
Broad	29-1170	Nurse Practitioners	
Detailed	29-1171	Nurse Practitioners	Diagnose and treat acute, episodic, or chronic illness, independently or as part of a healthcare team. May focus on health promotion and disease prevention. May order, perform, or interpret diagnostic tests such as lab work and x rays. May prescribe medication. Must be registered nurses who have specialized graduate education.
Broad	29-1180	Audiologists	
Detailed	29-1181	Audiologists	Assess and treat persons with hearing and related disorders. May fit hearing aids and provide audiotape training. May perform research related to hearing problems.
Broad	29-1210	Physicians	
Broad	29-1210	Physicians	
Detailed	29-1211	Anesthesiologists	Administer anesthetics and analgesics for pain management prior to, during, or after surgery.
Detailed	29-1212	Cardiologists	Diagnose, treat, manage, and prevent diseases or conditions of the cardiovascular system. May further subspecialize in interventional procedures (e.g., balloon angioplasty and stent placement), echocardiography, or electrophysiology.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-1213	Dermatologists	Diagnose and treat diseases relating to the skin, hair, and nails. May perform both medical and dermatological surgery functions.
Detailed	29-1214	Emergency Medicine Physicians	Make immediate medical decisions and act to prevent death or further disability. Provide immediate recognition, evaluation, care, stabilization, and disposition of patients. May direct emergency medical staff in an emergency department.
Detailed	29-1215	Family Medicine Physicians	Diagnose, treat, and provide preventive care to individuals and families across the lifespan. May refer patients to specialists when needed for further diagnosis or treatment. Excludes "General Internal Medicine Physicians" and "Pediatricians, General"
Detailed	29-1216	General Internal Medicine Physicians	Diagnose and provide nonsurgical treatment for a wide range of diseases and injuries of internal organ systems. Provide care mainly for adults and adolescents, and are based primarily in an outpatient care setting. Excludes "Family Medicine Physicians" and "Pediatricians, General"
Detailed	29-1217	Neurologists	Diagnose, manage, and treat disorders and diseases of the brain, spinal cord, and peripheral nerves, with a primarily nonsurgical focus.
Detailed	29-1218	Obstetricians and Gynecologists	Provide medical care related to pregnancy or childbirth. Diagnose, treat, and help prevent diseases of women, particularly those affecting the reproductive system. May also provide general care to women. May perform both medical and gynecological surgery functions.
Detailed	29-1221	Pediatricians, General	Diagnose, treat, and help prevent diseases and injuries in children. May refer patients to specialists for further diagnosis or treatment, as needed. Excludes "Family Medicine Physicians" and "General Internal Medicine Physicians"
Detailed	29-1222	Physicians, Pathologists	Diagnose diseases and conduct lab tests using organs, body tissues, and fluids. Includes medical examiners.
Detailed	29-1223	Psychiatrists	Diagnose, treat, and help prevent mental disorders. Excludes "Clinical and Counseling Psychologists" and "School Psychologists"
Detailed	29-1224	Radiologists	Diagnose and treat diseases and injuries using medical imaging techniques, such as x rays, magnetic resonance imaging (MRI), nuclear medicine, and ultrasounds. May perform minimal invasive medical procedures and tests.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-1229	Physicians, All Other	All physicians not listed separately.
Broad	29-1240	Surgeons	
Detailed	29-1241	Ophthalmologists, Except Pediatric	Diagnose and perform surgery to treat and help prevent disorders and diseases of the eye. May also provide vision services for treatment including glasses and contacts. Excludes "Optometrists" (29-1041) and "Pediatric Surgeons"
Detailed	29-1242	Orthopedic Surgeons, Except Pediatric	Diagnose and perform surgery to treat and prevent rheumatic and other diseases in the musculoskeletal system. Excludes "Pediatric Surgeons"
Detailed	29-1243	Pediatric Surgeons	Diagnose and perform surgery to treat fetal abnormalities and birth defects, diseases, and injuries in fetuses, premature and newborn infant children, and adolescents. Includes all pediatric surgical specialties and subspecialties. Excludes "Oral and Maxillofacial Surgeons", "Ophthalmologists, Except Pediatric", and "Orthopedic Surgeons, Except Pediatric"
Detailed	29-1249	Surgeons, All Other	All surgeons not listed separately. Excludes "Oral and Maxillofacial Surgeons"
Broad	29-1290	Miscellaneous Healthcare Diagnosing or Treating Practitioners	
Detailed	29-1291	Acupuncturists	Diagnose, treat, and prevent disorders by stimulating specific acupuncture points within the body using acupuncture needles. May also use cups, nutritional supplements, therapeutic massage, acupressure, and other alternative health therapies. Excludes "Chiropractors"
Detailed	29-1292	Dental Hygienists	Administer oral hygiene care to patients. Assess patient oral hygiene problems or needs and maintain health records. Advise patients on oral health maintenance and disease prevention. May provide advanced care such as providing fluoride treatment or administering topical anesthesia.
Detailed	29-1299	Healthcare Diagnosing or Treating Practitioners, All Other	All healthcare diagnosing or treating practitioners not listed separately.
Minor	29-2000	Health Technologists and Technicians	
Broad	29-2010	Clinical Laboratory Technologists and Technicians	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-2011	Medical and Clinical Laboratory Technologists	Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff.
Detailed	29-2012	Medical and Clinical Laboratory Technicians	Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.
Broad	29-2030	Diagnostic Related Technologists and Technicians	
Detailed	29-2031	Cardiovascular Technologists and Technicians	Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic, therapeutic, or research purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary functions, lung capacity, and similar tests.
Detailed	29-2032	Diagnostic Medical Sonographers	Produce ultrasonic recordings of internal organs for use by physicians. Includes vascular technologists. Excludes "Cardiovascular Technologists and Technicians"
Detailed	29-2033	Nuclear Medicine Technologists	Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies using a variety of radioisotope equipment. Prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists. Subject patients to radiation. Execute blood volume, red cell survival, and fat absorption studies following standard laboratory techniques.
Detailed	29-2034	Radiologic Technologists and Technicians	Take x-rays and CAT scans or administer nonradioactive materials into patient's bloodstream for diagnostic or research purposes. Includes radiologic technologists and technicians who specialize in other scanning modalities. Excludes "Diagnostic Medical Sonographers" (and "Magnetic Resonance Imaging Technologists").
Detailed	29-2035	Magnetic Resonance Imaging Technologists	Operate Magnetic Resonance Imaging (MRI) scanners. Monitor patient safety and comfort, and view images of area being scanned to ensure quality of pictures. May administer gadolinium contrast dosage intravenously. May interview patient, explain MRI procedures, and position patient on examining table. May enter into the computer data such as patient history, anatomical area to be scanned, orientation specified, and position of entry.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-2036	Medical Dosimetrists	Generate radiation treatment plans, develop radiation dose calculations, communicate and supervise the treatment plan implementation, and consult with members of radiation oncology team.
Broad	29-2040	Emergency Medical Technicians and Paramedics	
Detailed	29-2042	Emergency Medical Technicians	Assess injuries and illnesses and administer basic emergency medical care. May transport injured or sick persons to medical facilities. Excludes "Paramedics", "Firefighters", and "Ambulance Drivers and Attendants, Except Emergency Medical Technicians".
Detailed	29-2043	Paramedics	Administer basic or advanced emergency medical care and assess injuries and illnesses. May administer medication intravenously, use equipment such as EKGs, or administer advanced life support to sick or injured individuals. Excludes "Emergency Medical Technicians" and "Ambulance Drivers and Attendants, Except Emergency Medical Technicians".
Broad	29-2050	Health Practitioner Support Technologists and Technicians	
Detailed	29-2051	Dietetic Technicians	Assist in the provision of food service and nutritional programs, under the supervision of a dietitian. May plan and produce meals based on established guidelines, teach principles of food and nutrition, or counsel individuals.
Detailed	29-2052	Pharmacy Technicians	Prepare medications under the direction of a pharmacist. May measure, mix, count out, label, and record amounts and dosages of medications according to prescription orders.
Detailed	29-2053	Psychiatric Technicians	Care for individuals with mental or emotional conditions or disabilities, following the instruction of physicians or other health practitioners. Monitor patients' physical and emotional well-being and report to medical staff. May participate in rehabilitation and treatment programs, help with personal hygiene, and administer oral or injectable medications.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-2055	Surgical Technologists	Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeons' assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments. Excludes "Surgical Assistants".
Detailed	29-2056	Veterinary Technologists and Technicians	Perform medical tests in a laboratory environment for use in the treatment and diagnosis of diseases in animals. Prepare vaccines and serums for prevention of diseases. Prepare tissue samples, take blood samples, and execute laboratory tests, such as urinalysis and blood counts. Clean and sterilize instruments and materials and maintain equipment and machines. May assist a veterinarian during surgery.
Detailed	29-2057	Ophthalmic Medical Technicians	Assist ophthalmologists by performing ophthalmic clinical functions. May administer eye exams, administer eye medications, and instruct the patient in care and use of corrective lenses.
Broad	29-2060	Licensed Practical and Licensed Vocational Nurses	
Detailed	29-2061	Licensed Practical and Licensed Vocational Nurses	Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.
Broad	29-2070	Medical Records Specialists	
Detailed	29-2072	Medical Records Specialists	Compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, ethical, legal, and regulatory requirements of the healthcare system. Classify medical and healthcare concepts, including diagnosis, procedures, medical services, and equipment, into the healthcare industry's numerical coding system. Includes medical coders. Excludes "Health Information Technologists and Medical Registrars" and "File Clerks".
Broad	29-2080	Opticians, Dispensing	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-2081	Opticians, Dispensing	Design, measure, fit, and adapt lenses and frames for client according to written optical prescription or specification. Assist client with inserting, removing, and caring for contact lenses. Assist client with selecting frames. Measure customer for size of eyeglasses and coordinate frames with face and eye measurements and optical prescription. Prepare work order for optical laboratory containing instructions for grinding and mounting lenses in frames. Verify exactness of finished lens spectacles. Adjust frame and lens position to fit client. May shape or reshape frames. Includes contact lens opticians.
Broad	29-2090	Miscellaneous Health Technologists and Technicians	
Detailed	29-2091	Physiotherapy Technician	
Detailed	29-2092	Massage Therapist	
	29-2093	Environmental Health Officer	
Detailed	29-2099	Health Technologists and Technicians, All Other	All health technologists and technicians not listed separately.
Minor	29-9000	Other Healthcare Practitioners and Technical Occupations	
Broad	29-9020	Health Information Technologists and Medical Registrars	
Detailed	29-9021	Health Information Technologists and Medical Registrars	Apply knowledge of healthcare and information systems to assist in the design, development, and continued modification and analysis of computerized healthcare systems. Abstract, collect, and analyze treatment and follow up information patients. May educate staff and assist in problem solving to promote the implementation of the healthcare information system. May design, develop, test, and implement databases with complete history, diagnosis, treatment, and health status to help monitor diseases. Excludes "Medical Records Specialists".
Broad	29-9090	Miscellaneous Health Practitioners and Technical Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	29-9091	Genetic Counselors	Assess individual or family risk for a variety of inherited conditions, such as genetic disorders and birth defects. Provide information to other healthcare providers or to individuals and families concerned with the risk of inherited conditions. Advise individuals and families to support informed decision making and coping methods for those at risk. May help conduct research related to genetic conditions or genetic counseling.
Detailed	29-9092	Surgical Assistants	Assist in operations, under the supervision of surgeons. May, in accordance with state laws, help surgeons to make incisions and close surgical sites; manipulate or remove tissues, implant surgical devices or drains, suction the surgical site, place catheters, clamp or cauterize vessels or tissue, and apply dressings to surgical site. Excludes "Registered Nurses" and "Surgical Technologists".
Detailed	29-9099	Healthcare Practitioners and Technical Workers, All Other	Detailed
Major	31-0000	Healthcare Support Occupations	Major
Minor	31-1100	Home Health & Personal Care Aides; and Nursing Assistants, Orderlies, and Psychiatric Aides	Minor
Broad	31-1120	Home Health and Personal Care Aides	
Detailed	31-1121	Home Health Aides	Monitor the health status of an individual with disabilities or illness, and address their health-related needs, such as changing bandages, dressing wounds, or administering medication. Work is performed under the direction of offsite or intermittent onsite licensed nursing staff. Provide assistance with routine healthcare tasks or activities of daily living, such as feeding, bathing, toileting, or ambulation. May also help with tasks such as preparing meals, doing light housekeeping, and doing laundry depending on the patient's abilities.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	31-1122	Personal Care Aides	Provide personalized assistance to individuals with disabilities or illness who require help with personal care and activities of daily living support (e.g., feeding, bathing, dressing, grooming, toileting, and ambulation). May also provide help with tasks such as preparing meals, doing light housekeeping, and doing laundry. Work is performed in various settings depending on the needs of the care recipient and may include locations such as their home, place of work, out in the community, or at daytime nonresidential facility.
Broad	31-1130	Nursing Assistants, Orderlies, and Psychiatric Aides	
Detailed	31-1131	Nursing Assistants	Provide or assist with basic care or support under the direction of onsite licensed nursing staff. Perform duties such as monitoring of health status, feeding, bathing, dressing, grooming, toileting, or ambulation of patients in a health or nursing facility. May include medication administration and other health-related tasks. Includes nursing care attendants, nursing aides, and nursing attendants. Excludes "Home Health Aides", "Personal Care Aides", "Orderlies", and "Psychiatric Aides".
Detailed	31-1132	Orderlies	Transport patients to areas such as operating rooms or x-ray rooms using wheelchairs, stretchers, or moveable beds. May maintain stocks of supplies or clean and transport equipment. Excludes "Nursing Assistants". Psychiatric orderlies are included in "Psychiatric Aides".
Detailed	31-1133	Psychiatric Aides	Assist mentally impaired or emotionally disturbed patients, working under direction of nursing and medical staff. May assist with daily living activities, lead patients in educational and recreational activities, or accompany patients to and from examinations and treatments. May restrain violent patients. Includes psychiatric orderlies.
Minor	31-2000	Occupational Therapy and Physical Therapist Assistants and Aides	
Broad	31-2010	Occupational Therapy Assistants and Aides	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	31-2011	Occupational Therapy Assistants	Assist occupational therapists in providing occupational therapy treatments and procedures. May, in accordance with state laws, assist in development of treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments. Generally requires formal training.
Detailed	31-2012	Occupational Therapy Aides	Under close supervision of an occupational therapist or occupational therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing patient and treatment room.
Broad	31-2020	Physical Therapist Assistants and Aides	
Detailed	31-2021	Physical Therapist Assistants	Assist physical therapists in providing physical therapy treatments and procedures. May, in accordance with state laws, assist in the development of treatment plans, carry out routine functions, document the progress of treatment, and modify specific treatments in accordance with patient status and within the scope of treatment plans established by a physical therapist. Generally requires formal training.
Detailed	31-2022	Physical Therapist Aides	Under close supervision of a physical therapist or physical therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing the patient and the treatment area.
Minor	31-9000	Other Healthcare Support Occupations	
Broad	31-9010	Massage Therapists	
Detailed	31-9011	Massage Therapists	Perform therapeutic massages of soft tissues and joints. May assist in the assessment of range of motion and muscle strength, or propose client therapy plans.
Broad	31-9090	Miscellaneous Healthcare Support Occupations	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	31-9091	Dental Assistants	Perform limited clinical duties under the direction of a dentist. Clinical duties may include equipment preparation and sterilization, preparing patients for treatment, assisting the dentist during treatment, and providing patients with instructions for oral healthcare procedures. May perform administrative duties such as scheduling appointments, maintaining medical records, billing, and coding information for insurance purposes.
Detailed	31-9092	Medical Assistants	Perform administrative and certain clinical duties under the direction of a physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding information for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physician. Excludes "Physician Assistants".
Detailed	31-9093	Medical Equipment Preparers	Prepare, sterilize, install, or clean laboratory or healthcare equipment. May perform routine laboratory tasks and operate or inspect equipment.
Detailed	31-9094	Medical Transcriptionists	Transcribe medical reports recorded by physician and other healthcare practitioners using various electronic devices, covering office visits, emergency room visits, diagnostic imaging studies, operation chart reviews, and final summaries. Transcribe dictated reports and translate abbreviations into fully understandable form. Edit as necessary and return reports in either printed or electronic form for review and signature, or correction.
Detailed	31-9095	Pharmacy Aides	Record drugs delivered to the pharmacy, store incoming merchandise, and inform the supervisor of stock needs. May operate cash register and accept prescriptions for filling.
Detailed	31-9096	Veterinary Assistants and Laboratory Animal Caretakers	Feed, water, and examine pets and other nonfarm animals for signs of illness, disease, or injury in laboratories and animal hospitals and clinics. Clean and disinfect cages and work areas, and sterilize laboratory and surgical equipment. May provide routine postoperative care, administer medication orally or topically, or prepare samples for laboratory examination under the supervision of veterinary or laboratory animal technologists or technicians, veterinarians, or scientists. Excludes "Animal Caretakers".

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	31-9097	Phlebotomists	Draw blood for tests, transfusions, donations, or research. May explain the procedure to patients and assist in the recovery of patients with adverse reactions.
Detailed	31-9099	Healthcare Support Workers, All Other	All healthcare support workers not listed separately.
Major	33-0000	Protective, Public Safety and Security Service Occupations	
Minor	33-1000	Supervisors of Protective Service Workers	
Broad	33-1010	First-Line Supervisors of Law Enforcement Workers	
Detailed	33-1011	First-Line Supervisors of Correctional Officers	Directly supervise and coordinate activities of correctional officers and jailers.
Detailed	33-1012	First-Line Supervisors of Police and Detectives	Directly supervise and coordinate activities of members of police force.
Broad	33-1020	First-Line Supervisors of Firefighting and Prevention Workers	
Detailed	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	Directly supervise and coordinate activities of workers engaged in firefighting and fire prevention and control.
Broad	33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	
Detailed	33-1091	First-Line Supervisors of Security Workers	Directly supervise and coordinate activities of security workers and security guards.
Detailed	33-1099	First-Line Supervisors of Protective Service Workers, All Other	All protective service supervisors not listed separately above.
Minor	33-2000	Firefighting and Prevention Workers	
Broad	33-2010	Firefighters	
Broad	33-2020	Fire Inspectors	
Detailed	33-2021	Fire Inspectors and Investigators	Inspect buildings to detect fire hazards and enforce local ordinances and state laws, or investigate and gather facts to determine cause of fires and explosions.
Detailed	33-2022	Forest Fire Inspectors and Prevention Specialists	Enforce fire regulations, inspect forest for fire hazards, and recommend forest fire prevention or control measures. May report forest fires and weather conditions.
Minor	33-3000	Law Enforcement Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	33-3010	Bailiffs, Correctional Officers, and Jailers	
Detailed	33-3011	Bailiffs	Maintain order in courts of law.
Detailed	33-3012	Correctional Officers and Jailers	Guard inmates in penal or rehabilitative institutions in accordance with established regulations and procedures. May guard prisoners in transit between jail, courtroom, prison, or other point. Includes deputy sheriffs and police who spend the majority of their time guarding prisoners in correctional institutions.
Broad	33-3020	Detectives and Criminal Investigators	
Detailed	33-3021	Detectives and Criminal Investigators	Conduct investigations related to suspected violations of federal, state, or local laws to prevent or solve crimes. Excludes "Private Detectives and Investigators".
Broad	33-3030	Fish and Game Wardens	
Detailed	33-3031	Fish and Game Wardens	Patrol assigned area to prevent fish and game law violations. Investigate reports of damage to crops or property by wildlife. Compile biological data.
Broad	33-3040	Traffic Wardens	
Detailed	33-3041	Traffic Wardens	Patrol assigned area, such as public parking lot or city streets to issue tickets to overtime parking violators and illegally parked vehicles.
Broad	33-3050	Police Officers	
Detailed	33-3051	Police and Patrol Officers	Maintain order and protect life and property by enforcing local, tribal, state, or federal laws and ordinances. Perform a combination of the following duties: patrol a specific area; direct traffic; issue traffic summonses; investigate accidents; apprehend and arrest suspects, or serve legal processes of courts. Includes police officers working at educational institutions.
Detailed	33-3052	Traffic Police Officers	Protect and police road and transit property, employees, or passengers.
Minor	33-9000	Other Protective Service Workers	
Broad	33-9010	Animal Control Workers	
Detailed	33-9011	Animal Control Workers	Handle animals for the purpose of investigations or mistreatment, or control of abandoned, dangerous or unattended animals.
Broad	33-9020	Private Detectives and Investigators	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	33-9021	Private Detectives and Investigators	Gather, analyze, compile, and report information regarding individuals or organizations to clients, c detect occurrences of unlawful acts or infractions of rules in private establishment.
Broad	33-9030	Security Guards and Gambling Surveillance Officers	
Detailed	33-9031	Gambling Surveillance Officers and Gambling Investigators	Observe gambling operation for irregular activities such as cheating or theft by either employees or patrons. Investigate potential threats to gambling assets such as money, chips, and gambling equipment. Act as oversight and security agent for management and customers.
Detailed	33-9032	Security Guards	Guard, patrol, or monitor premises to prevent theft, violence, or infractions of rules. May operate x-ray and metal detector equipment. Excludes "Police Officers" and "Transportation Security Screeners".
Broad	33-9090	Miscellaneous Protective Service Workers	
Detailed	33-9091	Crossing Guards and Flag men	Guide or control vehicular or pedestrian traffic at such places as streets, schools, railroad crossings, or construction sites.
Detailed	33-9092	Lifeguards, and Other Recreational Protective Service Workers	Monitor recreational areas, such as pools, beaches to provide assistance and protection to participants.
Detailed	33-9093	Air Port Security Screeners	Conduct screening of passengers, baggage, or cars to ensure compliance with Transportation Security Administration regulations. May operate basic security equipment such as x-ray machines and hand wands at screening checkpoints.
Detailed	33-9099	Protective Service Workers, All Other	All protective service workers not listed separately
Major	35-0000	Food Preparation and Serving Related Occupations	
Minor	35-1000	Supervisors of Food Preparation and Serving Workers	
Broad	35-1010	Supervisors of Food Preparation and Serving Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	35-1011	Chefs and Head Cooks	Direct and may participate in the preparation, seasoning, and cooking of salads, soups, fish, meats, vegetables, desserts, or other foods. May plan and price menu items, order supplies, and keep records and accounts.
Detailed	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	Directly supervise and coordinate activities of workers engaged in preparing and serving food.
Minor	35-2000	Cooks and Food Preparation Workers	
Broad	35-2010	Cooks	
Detailed	35-2011	Cooks, Fast Food	Prepare and cook food in a fast food restaurant with a limited menu. Duties of these cooks are limited to preparation of a few basic items and normally involve operating large-volume single-purpose cooking equipment.
Detailed	35-2012	Cooks, Institution and Cafeteria	Prepare and cook large quantities of food for institutions, such as schools, hospitals, or cafeterias.
Detailed	35-2013	Cooks, Private Household	Prepare meals in private homes. Includes personal chefs.
Detailed	35-2014	Cooks, Restaurant	Prepare, season, and cook dishes such as soups, meats, vegetables, or desserts in restaurants. May order supplies, keep records and accounts, price items on menu, or plan menu.
Detailed	35-2015	Cooks, Short Order	Prepare and cook to order a variety of foods that require only a short preparation time. May take orders from customers and serve patrons at counters or tables.
Detailed	35-2019	Cooks, All Other	All cooks not listed separately.
Broad	35-2020	Food Preparation Workers	
Detailed	35-2021	Food Preparation Workers	Perform a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and brewing coffee or tea.
Minor	35-3000	Food and Beverage Serving Workers	
Broad	35-3010	Bartenders	
Detailed	35-3011	Bartenders	Mix and serve drinks to patrons, directly or through wait staff.
Broad	35-3020	Fast Food and Counter Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	35-3023	Fast Food and Counter Workers	Perform duties such as taking orders and serving food and beverages. Serve customers at counter or from a steam table. May take payment. May prepare food and beverages. Counter attendants who also wait tables are included in "Waiters and Waitresses"
Broad	35-3030	Waiters and Waitresses	
Detailed	35-3031	Waiters and Waitresses	Take orders and serve food and beverages to patrons at tables in dining establishment. Exclude "Fast Food and Counter Workers"
Broad	35-3040	Food Servers, Non restaurant	
Detailed	35-3041	Food Servers, Non restaurant	Serve food to individuals outside of a restaurant environment, such as in hotel rooms, hospital rooms, residential care facilities, or cars.
Minor	35-9000	Other Food Preparation and Serving Related Workers	
Broad	35-9010	Dining Room and Cafeteria Attendants and Bartender Helpers	
Detailed	35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	Facilitate food service. Clean tables; remove dirty dishes; replace soiled table linens; set tables; replenish supply of clean linens, silverware, glassware, and dishes; supply service bar with food and serve items such as water, condiments, and coffee to patrons.
Broad	35-9020	Dishwashers	
Detailed	35-9021	Dishwashers	Clean dishes, kitchen, food preparation equipment or utensils.
Broad	35-9030	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	
Detailed	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	Welcome patrons, seat them at tables or in lounge and help ensure quality of facilities and service.
Broad	35-9090	Miscellaneous Food Preparation and Serving Related Workers	
Detailed	35-9099	Food Preparation and Serving Related Workers, All Other	All food preparation and serving related workers not listed separately.
Major	37-0000	Building and Grounds Cleaning and Maintenance Occupations	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Minor	37-1000	Supervisors of Building and Grounds Cleaning and Maintenance Workers	
Broad	37-1010	First-Line Supervisors of Building and Grounds Cleaning and Maintenance Workers	
Detailed	37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	Directly supervise and coordinate work activities of cleaning personnel in hotels, hospitals, offices, and other establishments.
Detailed	37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Grounds keeping Workers	Directly supervise and coordinate activities of workers engaged in landscaping or grounds keeping activities. Work may involve reviewing contracts to ascertain service, machine, and workforce requirements; answering inquiries from potential customers regarding methods, material, and price ranges; and preparing estimates according to labor material, and machine costs.
Minor	37-2000	Building Cleaning and Pest Control Workers	
Broad	37-2010	Building Cleaning Workers	
Detailed	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	Keep buildings in clean and orderly condition. Perform heavy cleaning duties, such as cleaning floors, shampooing rugs, washing walls and glass, and removing rubbish. Duties may include tending furnace and boiler, performing routine maintenance activities, notifying management of need for repairs, and cleaning snow or debris from sidewalk.
Detailed	37-2012	Maids and Housekeeping Cleaners	Perform any combination of light cleaning duties to maintain private households or commercial establishments, such as hotels and hospitals, in a clean and orderly manner. Duties may include making beds, replenishing linens, cleaning rooms and halls, and vacuuming.
Detailed	37-2019	Building Cleaning Workers, All Other	All building cleaning workers not listed separately
Broad	37-2020	Pest Control Workers	
Detailed	37-2021	Pest Control Workers	Apply or release chemical solutions or toxic gases and set traps to kill or remove pests and vermin that infest buildings and surrounding areas.
Minor	37-3000	Grounds Maintenance Workers	
Broad	37-3010	Grounds Maintenance Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	37-3011	Landscaping and Ground keeping Workers	Landscape or maintain grounds of property using hand or power tools or equipment. Workers typically perform a variety of tasks, which may include any combination of the following: sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler installation, and installation of mortarless segmental concrete masonry wall units.
Detailed	37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Mix or apply pesticides, herbicides, fungicides, or insecticides through sprays, dusts, vapors, soil incorporation, or chemical application on trees, shrubs, lawns, or crops.
Detailed	37-3013	Tree Trimmers and Pruners	Using sophisticated climbing and rigging techniques, cut away dead or excess branches from trees or shrubs to maintain right-of-way for roads, sidewalks, or utilities, or to improve appearance, health, and value of tree. Prune or treat trees or shrubs using handsaws, hand pruners, clippers, and power pruners. Works off the ground in the tree canopy and may use truck-mounted lifts.
Detailed	37-3019	Grounds Maintenance Workers, All Other	All grounds maintenance workers not listed separately.
Major	39-0000	Personal Care and Service Occupations	
Minor	39-1000	Supervisors of Personal Care and Service Workers	
Broad	39-1010	First-Line Supervisors of Entertainment and Recreation Workers	
Detailed	39-1013	First-Line Supervisors of Gambling Services Workers	Directly supervise and coordinate activities of workers in assigned gambling areas. May circulate among tables, observe operations, and ensure that stations and games are covered for each shift. May verify and pay off jackpots. May reset slot machines after payoffs and make repairs or adjustments to slot machines or recommend removal of slot machines for repair. May plan and organize activities and services for guests in hotels/casinos.
Detailed	39-1014	First-Line Supervisors of Entertainment and Recreation Workers, Except Gambling Services	Directly supervise and coordinate activities of entertainment and recreation related workers.
Broad	39-1020	First-Line Supervisors of Personal Service Workers	
Detailed	39-1022	First-Line Supervisors of Personal Service Workers	Supervise and coordinate activities of personal service workers.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Minor	39-2000	Animal Care and Service Workers	
Broad	39-2010	Animal Trainers	
Detailed	39-2011	Animal Trainers	Train animals for riding, harness, security, performance, or obedience, or for assisting persons with disabilities. Accustom animals to human voice and contact, and condition animals to respond to commands. Train animals according to prescribed standards for show or competition. May train animals to carry pack loads or work as part of pack team.
Broad	39-2020	Animal Caretakers	
Detailed	39-2021	Animal Caretakers	Feed, water, groom, bathe, exercise, or otherwise provide care to promote and maintain the well-being of pets and other animals that are not raised for consumption, such as dogs, cats, race horses, ornamental fish or birds, zoo animals, and mice. Work in settings such as kennels, animal shelters, zoos, circuses, and aquariums. May keep records of feedings, treatments, and animals received or discharged.
Minor	39-3000	Entertainment Attendants and Related Workers	
Broad	39-3010	Gambling Services Workers	
Detailed	39-3011	Gambling Dealers	Operate table games. Stand or sit behind table and operate games of chance by dispensing the appropriate number of cards or blocks to players, or operating other gambling equipment. Distribute winnings or collect players' money or chips. May compare the house's hand against players' hands.
Detailed	39-3012	Gambling and Sports Book Writers and Runners	Post information enabling patrons to wager on various races and sporting events. Assist in the operation of games such as keno and bingo. May operate random number-generating equipment and announce the numbers for patrons. Receive, verify, and record patrons' wagers. Scan and process winning tickets presented by patrons and pay out winnings for those wagers.
Detailed	39-3019	Gambling Service Workers, All Other	All gambling service workers not listed separately.
Broad	39-3020	Motion Picture Projectionists	
Detailed	39-3021	Motion Picture Projectionists	Set up and operate motion picture projection and related sound reproduction equipment.
Broad	39-3030	Ushers, Lobby Attendants, and Ticket Takers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	39-3031	Ushers, Lobby Attendants, and Ticket Takers	Assist patrons at entertainment events by performing duties, such as collecting admission tickets and passes from patrons, assisting in finding seats, searching for lost articles, and helping patrons locate such facilities as restrooms and telephones.
Broad	39-3090	Miscellaneous Entertainment Attendants and Related Workers	
Detailed	39-3091	Amusement and Recreation Attendants	Perform a variety of attending duties at amusement or recreation facility. May schedule use of recreation facilities, maintain and provide equipment to participants of sporting events or recreational pursuits, or operate amusement concessions and rides.
Detailed	39-3092	Costume Attendants	Select, fit, and take care of costumes for cast members, and aid entertainers. May assist with multiple costume changes during performances.
Detailed	39-3093	Locker Room, Coatroom, and Dressing Room Attendants	Provide personal items to patrons or customers in locker rooms, dressing rooms, or coatrooms.
Detailed	39-3099	Entertainment Attendants and Related Workers, All Other	All entertainment attendants and related workers not listed separately.
Minor	39-4000	Funeral Service Workers	
Broad	39-4010	Embalmers and Crematory Operators	
Detailed	39-4011	Embalmers	Prepare bodies for interment in conformity with legal requirements.
Detailed	39-4012	Crematory Operators	Operate crematory equipment to reduce human or animal remains to bone fragments in accordance with state and local regulations. Duties may include preparing the body for cremation and performing general maintenance on crematory equipment. May use traditional flame-based cremation, calcination, or alkaline hydrolysis.
Broad	39-4020	Funeral Attendants	
Detailed	39-4021	Funeral Attendants	Perform a variety of tasks during funeral, such as placing casket in parlor or chapel prior to service, arranging floral offerings or lights around casket, directing or escorting mourners, closing casket, and issuing and storing funeral equipment.
Broad	39-4030	Morticians, Undertakers, and Funeral Arrangers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	39-4031	Morticians, Undertakers, and Funeral Arrangers	Perform various tasks to arrange and direct individual funeral services, such as coordinating transportation of body to mortuary, interviewing family or other authorized person to arrange details, selecting pallbearers, aiding with the selection of officials for religious rites, and providing transportation for mourners.
Minor	39-5000	Personal Appearance Workers	
Broad	39-5010	Barbers, Hairdressers, Hairstylists and Cosmetologists	
Detailed	39-5011	Barbers	Provide barbering services, such as cutting, trimming, shampooing, and styling hair; trimming beards; or giving shaves.
Detailed	39-5012	Hairdressers, Hairstylists, and Cosmetologists	Provide beauty services, such as cutting, coloring, and styling hair, and massaging and treating scalp. May shampoo hair, apply makeup, dress wigs, remove hair, and provide nail and skincare services.
Broad	39-5090	Miscellaneous Personal Appearance Workers	
Detailed	39-5091	Makeup Artists, Theatrical and Performance	Apply makeup to performers to reflect period, setting, and situation of their role.
Detailed	39-5092	Manicurists and Pedicurists	Clean and shape customers' fingernails and toenails. May polish or decorate nails.
Detailed	39-5093	Shampooers	Shampoo and rinse customers' hair.
Detailed	39-5094	Skincare Specialists	Provide skincare treatments to face and body to enhance an individual's appearance. Includes electrologists and laser hair removal specialists.
Minor	39-6000	Baggage Porters, Bellhops, and Concierges	
Broad	39-6010	Baggage Porters, Bellhops, and Concierges	
Detailed	39-6011	Baggage Porters and Bellhops	Handle baggage for travelers at transportation terminals or for guests at hotels or similar establishments.
Detailed	39-6012	Concierges	Assist patrons at hotel, apartment, or office building with personal services. May take messages; arrange or give advice on transportation business services, or entertainment; or monitor guest requests for housekeeping and maintenance.
Minor	39-7000	Tour and Travel Guides	
Broad	39-7010	Tour and Travel Guides	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	39-7011	Tour Guides and Escorts	Escort individuals or groups on sightseeing tours through places of interest, such as industrial establishments, public buildings, and art galleries.
Detailed	39-7012	Travel Guides	Plan, organize, and conduct long-distance travel, tours, and expeditions for individuals and groups.
Minor	39-9000	Other Personal Care and Service Workers	
Broad	39-9010	Childcare Workers	
Detailed	39-9011	Childcare Workers	Attend to children at schools, businesses, private households, and childcare institutions. Perform a variety of tasks, such as dressing, feeding, bathing and overseeing play.
Broad	39-9030	Recreation and Fitness Workers	
Detailed	39-9031	Exercise Trainers and Group Fitness Instructors	Instruct or coach groups or individuals in exercise activities for the primary purpose of personal fitness. Demonstrate techniques and form, observe participants, and explain to them corrective measures necessary to improve their skills. Develop and implement individualized approaches to exercise.
Detailed	39-9032	Recreation Workers	Conduct recreation activities with groups in public, private, or volunteer agencies or recreation facilities. Organize and promote activities, such as arts and crafts, sports, games, music, dramatics, social recreation, camping, and hobbies, taking in account the needs and interests of individual members.
Broad	39-9040	Residential Advisors	
Detailed	39-9041	Residential Advisors	Coordinate activities in resident facilities in secondary school and college dormitories, group homes, or similar establishments. Order supplies and determine need for maintenance, repairs, and furnishings. May maintain household records and assign rooms. May assist residents with problem solving or refer them to counseling resources.
Broad	39-9090	Miscellaneous Personal Care and Service Workers	
Detailed	39-9099	Personal Care and Service Workers, All Other	All personal care and service workers not listed separately.
Major	41-0000	Sales and Related Occupations	
Minor	41-1000	Supervisors of Sales Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	41-1010	First-Line Supervisors of Sales Workers	
Detailed	41-1011	First-Line Supervisors of Retail Sales Workers	Directly supervise and coordinate activities of retail sales workers in an establishment or department. Duties may include management functions, such as purchasing, budgeting, accounting, and personnel work, in addition to supervisory duties.
Detailed	41-1012	First-Line Supervisors of Non-Retail Sales Workers	Directly supervise and coordinate activities of sales workers other than retail sales workers. May perform duties such as budgeting, accounting, and personnel work, in addition to supervisory duties.
Minor	41-2000	Retail Sales Workers	
Broad	41-2010	Cashiers	
Detailed	41-2011	Cashiers	Receive and disburse money in establishments other than financial institutions. May use electronic scanners, cash registers, or related equipment. May process credit or debit card transactions and validate checks.
Detailed	41-2012	Gambling Change Persons and Booth Cashiers	Exchange coins, tokens, and chips for patrons' money. May issue payoffs and obtain customer's signature on receipt. May operate a booth in the slot machine area and furnish change persons with money bank at the start of the shift, or count and audit money in drawers.
Broad	41-2020	Counter and Rental Clerks and Parts Salespersons	
Detailed	41-2021	Counter and Rental Clerks	Receive orders, generally in person, for repairs, rentals, and services. May describe available options, compute cost, and accept payment.
Detailed	41-2022	Parts Salespersons	Sell spare and replacement parts and equipment in repair shop or parts store.
Broad	41-2030	Retail Salespersons	
Detailed	41-2031	Retail Salespersons	Sell merchandise, such as furniture, motor vehicle appliances, or apparel to consumers.
Minor	41-3000	Sales Representatives, Services	
Broad	41-3010	Advertising Sales Agents	
Detailed	41-3011	Advertising Sales Agents	Sell or solicit advertising space, time, or media in publications, signage, TV, radio, or Internet establishments or public spaces.
Broad	41-3020	Insurance Sales Agents	
Detailed	41-3021	Insurance Sales Agents	Sell life, property, casualty, health, automotive, or other types of insurance. May refer clients to independent brokers, work as an independent broker, or be employed by an insurance company.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	41-3030	Securities, Commodities, and Financial Services Sales Agents	
Detailed	41-3031	Securities, Commodities, and Financial Services Sales Agents	Buy and sell securities or commodities in investment and trading firms, or provide financial services to businesses and individuals. May advise customers about stocks, bonds, mutual funds, commodities, and market conditions.
Broad	41-3040	Travel Agents	
Detailed	41-3041	Travel Agents	Plan and sell transportation and accommodations for customers. Determine destination, modes of transportation, travel dates, costs, and accommodations required. May also describe, plan and arrange itineraries and sell tour packages. May assist in resolving clients' travel problems.
Broad	41-3090	Miscellaneous Sales Representatives, Services	
Detailed	41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	Sell services to individuals or businesses. May describe options or resolve client problems.
Minor	41-4000	Sales Representatives, Wholesale and Manufacturing	
Broad	41-4010	Sales Representatives, Wholesale and Manufacturing	
Detailed	41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Sell goods for wholesalers or manufacturers where technical or scientific knowledge is required in such areas as biology, engineering, chemistry, and electronics, normally obtained from at least 2 years of postsecondary education.
Detailed	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of items sold.
Minor	41-9000	Other Sales and Related Workers	
Broad	41-9010	Models, Demonstrators, and Product Promoters	
Detailed	41-9011	Demonstrators and Product Promoters	Demonstrate merchandise and answer questions for the purpose of creating public interest in buying the product. May sell demonstrated merchandise.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	41-9012	Models	Model garments or other apparel and accessories for prospective buyers at fashion shows, private showings, or retail establishments. May pose for photos to be used in magazines or advertisement. May pose as subject for paintings, sculptures, and other types of artistic expression.
Broad	41-9020	Real Estate Brokers and Sales Agents	
Detailed	41-9021	Real Estate Brokers	Operate real estate office, or work for commercial real estate firm, overseeing real estate transactions. Other duties usually include selling real estate or renting properties and arranging loans.
Detailed	41-9022	Real Estate Sales Agents	Rent, buy, or sell property for clients. Perform duties such as study property listings, interview prospective clients, accompany clients to property site, discuss conditions of sale, and draw up real estate contracts. Includes agents who represent buyer.
Broad	41-9030	Sales Engineers	
Detailed	41-9031	Sales Engineers	Sell business goods or services, the selling of which requires a technical background equivalent to a baccalaureate degree in engineering.
Broad	41-9040	Telemarketers	
Detailed	41-9041	Telemarketers	Solicit donations or orders for goods or services over the telephone.
Broad	41-9090	Miscellaneous Sales and Related Workers	
Detailed	41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	Sell goods or services door-to-door or on the street.
Detailed	41-9099	Sales and Related Workers, All Other	All sales and related workers not listed separately.
Major	43-0000	Office and Administrative Support Occupations	
Major	45-0000	Farming, Fishing, and Forestry Occupations	
Minor	45-1000	Supervisors of Farming, Fishing, and Forestry Workers	
Broad	45-1010	First-Line Supervisors of Farming, Fishing, and Forestry Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	Directly supervise and coordinate the activities of agricultural, forestry, aqua cultural, and related workers.
Minor	45-2000	Agricultural Workers	
Broad	45-2010	Agricultural Inspectors	
Detailed	45-2011	Agricultural Inspectors	Inspect agricultural commodities, processing equipment, and facilities, and fish and logging operations, to ensure compliance with regulation and laws governing health, quality, and safety.
Broad	45-2020	Animal Breeders	
Detailed	45-2021	Animal Breeders	Select and breed animals according to their genealogy, characteristics, and offspring. May require knowledge of artificial insemination techniques and equipment use. May involve keeping records on heats, birth intervals, or pedigree.
Broad	45-2040	Graders and Sorters, Agricultural Products	
Detailed	45-2041	Graders and Sorters, Agricultural Products	Grade, sort, or classify unprocessed food and other agricultural products by size, weight, color, or condition.
Broad	45-2090	Miscellaneous Agricultural Workers	
Detailed	45-2091	Agricultural Equipment Operators	Drive and control equipment to support agricultural activities such as tilling soil; planting, cultivating, and harvesting crops; feeding and herding livestock; or removing animal waste. May perform tasks such as crop baling or hay bucking. May operate stationary equipment to perform post-harvest tasks such as husking, shelling, threshing, and ginning.
Detailed	45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Manually plant, cultivate, and harvest vegetables, fruits, nuts, horticultural specialties, and field crops. Use hand tools, such as shovels, trowels, hoes, tampers, pruning hooks, shears, and knives. Duties may include tilling soil and applying fertilizers; transplanting, weeding, thinning, or pruning crops; applying pesticides; or cleaning, grading, sorting, packing, and loading harvested products. May construct trellises, repair fences and farm buildings, or participate in irrigation activities.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	45-2093	Farmworkers, Farm, Ranch, and Aqua cultural Animals	Attend to live farm, ranch, open range or aqua cultural animals that may include cattle, sheep, swine, goats, horses and other equines, poultry, rabbits, finfish, shellfish, and bees. Attend to animals produced for animal products, such as meat, fur, skins, feathers, eggs, milk, and honey. Duties may include feeding, watering, herding, grazing, milking, castrating, branding, de-beaking, weighing, catching, and loading animals. May maintain records on animals; examine animals to detect diseases and injuries; assist in birth deliveries; and administer medications, vaccinations, or insecticides as appropriate. May clean and maintain animal housing areas. Include workers who shear wool from sheep and collect eggs in hatcheries.
Detailed	45-2099	Agricultural Workers, All Other	All agricultural workers not listed separately.
Minor	45-3000	Fishing and Hunting Workers	
Broad	45-3030	Fishing and Hunting Workers	
Detailed	45-3031	Fishing and Hunting Workers	Hunt, trap, catch, or gather wild animals or aquat animals and plants. May use nets, traps, or other equipment. May haul catch onto ship or other vessel.
Minor	45-4000	Forest, Conservation, and Logging Workers	
Broad	45-4010	Forest and Conservation Workers	
Detailed	45-4011	Forest and Conservation Workers	Under supervision, perform manual labor necessary to develop, maintain, or protect areas such as forests, forested areas, woodlands, wetlands, and rangelands through such activities as raising and transporting seedlings; combating insects, pests, and diseases harmful to plant life; and building structures to control water, erosion, and leaching of soil. Includes forester aides, seedling pullers, tr planters, and gatherers of nontimber forestry products such as pine straw.
Major	47-0000	Construction and Extraction Occupations	
Minor	47-1000	Supervisors of Construction and Extraction Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	47-1010	First-Line Supervisors of Construction Trades and Extraction Workers	
Detailed	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	Directly supervise and coordinate activities of construction or extraction workers.
Minor	47-2000	Construction Trades Workers	
Broad	47-2010	Boilermakers	
Detailed	47-2011	Boilermakers	Construct, assemble, maintain, and repair stationary steam boilers and boiler house auxiliaries. Align structures or plate sections to assemble boiler frame tanks or vats, following blueprints. Work involves use of hand and power tools, plumb bobs, levels, wedges, dogs, or turnbuckles. Assist in testing assembled vessels. Direct cleaning of boilers and boiler furnaces. Inspect and repair boiler fittings, such as safety valves, regulators, automatic-control mechanisms, water columns, and auxiliary machines.
Broad	47-2020	Brick masons, Block masons, and Stonemasons	
Detailed	47-2021	Brick masons and Block masons	Lay and bind building materials, such as brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block, with mortar and other substances, to construct or repair walls, partitions, arches, sewers, and other structures. Installers of mortar less segmental concrete masonry wall units are classified in "Landscaping and Grounds keeping Workers".
Detailed	47-2022	Stonemasons	Build stone structures, such as piers, walls, and abutments. Lay walks, curbstones, or special type of masonry for vats, tanks, and floors.
Broad	47-2030	Carpenters	
Detailed	47-2031	Carpenters	Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors. May also install cabinets, siding, drywall, and batt or roll insulation. Includes brattic builders who build doors or brattices (ventilation walls or partitions) in underground passageways.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	47-2040	Carpet, Floor, and Tile Installers and Finishers	
Detailed	47-2041	Carpet Installers	Lay and install carpet from rolls or blocks on floor. Install padding and trim flooring materials.
Detailed	47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	Apply blocks, strips, or sheets of shock-absorbing, sound-deadening, or decorative coverings to floor.
Detailed	47-2043	Floor Sanders and Finishers	Scrape and sand wooden floors to smooth surface using floor scraper and floor sanding machine, and apply coats of finish.
Detailed	47-2044	Tile and Stone Setters	Apply hard tile, stone, and comparable materials to walls, floors, ceilings, countertops, and roof decks.
Broad	47-2050	Cement Masons, Concrete Finishers, and Terrazzo Workers	
Detailed	47-2051	Cement Masons and Concrete Finishers	Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, roads, or curbs using a variety of hand and power tools. Align forms for sidewalks, curbs, or gutters; patch voids and use saws to cut expansion joints. Installers of mortar less segmental concrete masonry wall units are classified in "Landscaping and Ground keeping Workers".
Detailed	47-2053	Terrazzo Workers and Finishers	Apply a mixture of cement, sand, pigment, or marble chips to floors, stairways, and cabinet fixtures to fashion durable and decorative surfaces.
Broad	47-2060	Construction Laborers	
Detailed	47-2061	Construction Laborers	Perform tasks involving physical labor at construction sites. May operate hand and power tools of all types: air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, and a variety of other equipment and instruments. May clean and prepare sites, dig trenches, set braces to support the sides of excavations, erect scaffolding, and clean up rubble, debris, and other waste material. May assist other craft workers.
Broad	47-2070	Construction Equipment Operators	
Detailed	47-2071	Paving, Surfacing, and Tamping Equipment Operators	Operate equipment used for applying concrete, asphalt, or other materials to road beds, parking lots, or airport runways and taxiways or for tamping gravel, dirt, or other materials. Includes concrete and asphalt paving machine operators, form tampers, tamping machine operators, and stone spreader operators.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	47-2072	Pile Driver Operators	Operate pile drivers mounted on skids, barges, crawler treads, or locomotive cranes to drive piling for retaining walls, bulkheads, and foundations of structures such as buildings, bridges, and piers.
Detailed	47-2073	Operating Engineers and Other Construction Equipment Operators	Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement. May repair and maintain equipment in addition to other duties.
Broad	47-2080	Drywall Installers, Ceiling Tile Installers, and Tapers	
Detailed	47-2081	Drywall and Ceiling Tile Installers	Apply plasterboard or other wallboard to ceilings and interior walls of buildings. Apply or mount acoustical tiles or blocks, strips, or sheets of sound absorbing materials to ceilings and walls of buildings to reduce or reflect sound. Materials may be of decorative quality. Includes lathers who fasten wooden, metal, or rock board lath to walls and ceilings, or partitions of buildings to provide support base for plaster, fireproofing, or acoustical material.
Detailed	47-2082	Tapers	Seal joints between plasterboard or other wallboard to prepare wall surface for painting or papering.
Broad	47-2110	Electricians	
Detailed	47-2111	Electricians	Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electric control systems.
Broad	47-2120	Glaziers	
Detailed	47-2121	Glaziers	Install glass in windows, skylights, store fronts, and display cases, or on surfaces, such as building fronts, interior walls, ceilings, and tabletops.
Broad	47-2130	Insulation Workers	
Detailed	47-2131	Insulation Workers, Floor, Ceiling, and Wall	Line and cover structures with insulating material. May work with batt, roll, or blown insulation materials.
Detailed	47-2132	Insulation Workers, Mechanical	Apply insulating materials to pipes or ductwork, or other mechanical systems in order to help control and maintain temperature.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	47-2140	Painters and Paperhangers	
Detailed	47-2141	Painters, Construction and Maintenance	Paint walls, equipment, buildings, bridges, and other structural surfaces, using brushes, rollers, a spray guns. May remove old paint to prepare surface prior to painting. May mix colors or oils to obtain desired color or consistency.
Detailed	47-2142	Paperhangers	Cover interior walls or ceilings of rooms with decorative wallpaper or fabric, or attach advertising posters on surfaces such as walls and billboards. May remove old materials or prepare surfaces to be papered.
Broad	47-2150	Pipelayers, Plumbers, Pipefitters, and Steamfitters	
Detailed	47-2151	Pipelayers	Lay pipe for storm or sanitation sewers, drains, and water mains. Perform any combination of the following tasks: grade trenches or culverts, position pipe, or seal joints.
Detailed	47-2152	Plumbers, Pipefitters, and Steamfitters	Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. Includes sprinkler fitters.
Broad	47-2160	Plasterers and Stucco Masons	
Detailed	47-2161	Plasterers and Stucco Masons	Apply interior or exterior plaster, cement, stucco, or similar materials. May also set ornamental plaster.
Broad	47-2170	Reinforcing Iron and Rebar Workers	
Detailed	47-2171	Reinforcing Iron and Rebar Workers	Position and secure steel bars or mesh in concrete forms in order to reinforce concrete. Use a variety of fasteners, rod-bending machines, blowtorches, and hand tools. Includes rod busters.
Broad	47-2180	Roofers	
Detailed	47-2181	Roofers	Cover roofs of structures with shingles, slate, asphalt, aluminum, wood, or related materials. May spray roofs, sidings, and walls with material to bind, seal, insulate, or soundproof sections of structure.
Broad	47-2210	Sheet Metal Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	47-2211	Sheet Metal Workers	Fabricate, assemble, install, and repair sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings. Work may involve any of the following: setting up and operating fabricating machines to cut, bend, and straighten sheet metal; shaping metal over anvils, blocks, or forms using hammer; operating soldering and welding equipment to join sheet metal parts; or inspecting, assembling, and smoothing seams and joints of burred surfaces. Includes sheet metal duct installers who install prefabricated sheet metal ducts used for heating, air conditioning, or other purposes.
Broad	47-2220	Structural Iron and Steel Workers	
Detailed	47-2221	Structural Iron and Steel Workers	Raise, place, and unite iron or steel girders, columns, and other structural members to form completed structures or structural frameworks. May erect metal storage tanks and assemble prefabricated metal buildings.
Broad	47-2230	Solar Photovoltaic Installers	
Detailed	47-2231	Solar Photovoltaic Installers	Assemble, install, or maintain solar photovoltaic (PV) systems on roofs or other structures in compliance with site assessment and schematics. May include measuring, cutting, assembling, and bolting structural framing and solar modules. May perform minor electrical work such as current checks.
Minor	47-3000	Helpers, Construction Trades	
Broad	47-3010	Helpers, Construction Trades	
Detailed	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	Help brickmasons, blockmasons, stonemasons, or tile and marble setters by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment.
Detailed	47-3012	Helpers--Carpenters	Help carpenters by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Detailed	47-3013	Helpers--Electricians	Help electricians by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	Help painters, paperhangers, plasterers, or stucco masons by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Detailed	47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	Help plumbers, pipefitters, steamfitters, or pipelayers by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Detailed	47-3016	Helpers--Roofers	Help roofers by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Detailed	47-3019	Helpers, Construction Trades, All Other	All construction trades helpers not listed separately.
Minor	47-4000	Other Construction and Related Workers	
Broad	47-4010	Construction and Building Inspectors	
Detailed	47-4011	Construction and Building Inspectors	Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations. Inspections may be general in nature or may be limited to a specific area, such as electrical systems or plumbing.
Broad	47-4020	Elevator and Escalator Installers and Repairers	
Detailed	47-4021	Elevator and Escalator Installers and Repairers	Assemble, install, repair, or maintain electric or hydraulic freight or passenger elevators, escalators, or dumbwaiters.
Broad	47-4030	Fence Erectors	
Detailed	47-4031	Fence Erectors	Erect and repair fences and fence gates, using hand and power tools.
Broad	47-4040	Hazardous Materials Removal Workers	
Detailed	47-4041	Hazardous Materials Removal Workers	Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, or contaminated soil. Specialized training and certification in hazardous materials handling and a confined entry permit are generally required. May operate earth-moving equipment or trucks.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	47-4050	Road Maintenance Workers	
Detailed	47-4051	Road Maintenance Workers	Maintain highways, municipal and rural roads, airport runways, and rights-of-way. Duties include patching broken or eroded pavement and repairing guard rails, highway markers, and snow fences. May also mow or clear brush from along road, or plow snow from roadway.
Broad	47-4060	Rail-Track Laying and Maintenance Equipment Operators	
Detailed	47-4061	Rail-Track Laying and Maintenance Equipment Operators	Lay, repair, and maintain track for standard or narrow-gauge railroad equipment used in regular railroad service or in plant yards, quarries, sand and gravel pits, and mines. Includes ballast cleaning machine operators and railroad bed tamping machine operators.
Broad	47-4070	Septic Tank Servicers and Sewer Pipe Cleaners	
Detailed	47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	Clean and repair septic tanks, sewer lines, or drains. May patch walls and partitions of tank, replace damaged drain tile, or repair breaks in underground piping.
Broad	47-4090	Miscellaneous Construction and Related Workers	
Detailed	47-4091	Segmental Pavers	Lay out, cut, and place segmental paving units. Includes installers of bedding and restraining materials for the paving units.
Detailed	47-4099	Construction and Related Workers, All Other	All construction and related workers not listed separately.
Minor	47-5000	Extraction Workers	
Detailed	47-5013	Service Unit Operators, Oil and Gas	Operate equipment to increase oil flow from producing wells or to remove stuck pipe, casing, tools, or other obstructions from drilling wells. Includes fishing-tool technicians.
Broad	47-5020	Surface Mining Machine Operators and Earth Drillers	
Detailed	47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	Operate or tend machinery at surface mining site, equipped with scoops, shovels, or buckets to excavate and load loose materials.
Detailed	47-5023	Earth Drillers, Except Oil and Gas	Operate a variety of drills such as rotary, churn, or pneumatic to tap subsurface water and salt deposits, to remove core samples during mineral exploration or soil testing, and to facilitate the use of explosives in mining or construction. Includes horizontal and earth boring machine operators.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	47-5030	Explosives Workers, Ordnance Handling Experts, and Blasters	
Detailed	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	Place and detonate explosives to demolish structures or to loosen, remove, or displace earth rock, or other materials. May perform specialized handling, storage, and accounting procedures.
Broad	47-5040	Underground Mining Machine Operators	
Detailed	47-5041	Continuous Mining Machine Operators	Operate self-propelled mining machines that rip coal, metal and nonmetal ores, rock, stone, or sand from the mine face and load it onto conveyors, shuttle cars, or trucks in a continuous operation.
Detailed	47-5043	Roof Bolters, Mining	Operate machinery to install roof support bolts in underground mine.
Detailed	47-5044	Loading and Moving Machine Operators, Underground Mining	Operate underground loading or moving machine to load or move coal, ore, or rock using shuttle car or mine car or conveyors. Equipment may include power shovels, hoisting engines equipped with cable-drawn scraper or scoop, or machines equipped with gathering arms and conveyor.
Detailed	47-5049	Underground Mining Machine Operators, All Other	All underground mining machine operators not listed separately.
Broad	47-5050	Rock Splitters, Quarry	
Detailed	47-5051	Rock Splitters, Quarry	Separate blocks of rough dimension stone from quarry mass using jackhammers, wedges, or chop saws.
Broad	47-5070	Roustabouts, Oil and Gas	
Detailed	47-5071	Roustabouts, Oil and Gas	Assemble or repair oil field equipment using hand and power tools. Perform other tasks as needed.
Broad	47-5080	Helpers--Extraction Workers	
Detailed	47-5081	Helpers--Extraction Workers	Help extraction craft workers, such as earth drillers, blasters and explosives workers, derrick operator, and mining machine operators, by performing duties requiring less skill. Duties include supplying equipment or cleaning work area. Apprentice workers are classified with the appropriate skilled construction trade occupation.
Broad	47-5090	Miscellaneous Extraction Workers	
Detailed	47-5099	Extraction Workers, All Other	All extraction workers not listed separately.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Major	49-0000	Installation, Maintenance, and Repair Occupations	
Minor	49-1000	Supervisors of Installation, Maintenance, and Repair Workers	
Broad	49-1010	First-Line Supervisors of Mechanics, Installers, and Repairers	
Detailed	49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	Directly supervise and coordinate the activities of mechanics, installers, and repairers. May also advise customers on recommended services. Excludes team or work leaders.
Minor	49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	
Broad	49-2010	Computer, Automated Teller, and Office Machine Repairers	
Detailed	49-2011	Computer, Automated Teller, and Office Machine Repairers	Repair, maintain, or install computers, word processing systems, automated teller machines, and electronic office machines, such as duplicating and fax machines.
Broad	49-2020	Radio and Telecommunications Equipment Installers and Repairers	
Detailed	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	Repair, install, or maintain mobile or stationary radio transmitting, broadcasting, and receiving equipment, and two-way radio communications systems used in cellular telecommunications, mobile broadband, ship-to-shore, aircraft-to-ground communications, and radio equipment in service and emergency vehicles. May test and analyze network coverage.
Detailed	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Install, set up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headends. Service or repair telephone, cable television, Internet, and other communications equipment on customers' property. May install communications equipment or communications wiring in buildings.
Broad	49-2090	Miscellaneous Electrical and Electronic Equipment Mechanics, Installers, and Repairers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	49-2091	Avionics Technicians	Install, inspect, test, adjust, or repair avionics equipment, such as radar, radio, navigation, and missile control systems in aircraft or space vehicle
Detailed	49-2092	Electric Motor, Power Tool, and Related Repairers	Repair, maintain, or install electric motors, wiring or switches.
Detailed	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Install, adjust, or maintain mobile electronics communication equipment, including sound, song security, navigation, and surveillance systems on trains, watercraft, or other mobile equipment.
Detailed	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Repair, test, adjust, or install electronic equipment such as industrial controls, transmitters, and antennas.
Detailed	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	Inspect, test, repair, or maintain electrical equipment in generating stations, substations, and in-service relays.
Detailed	49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	Install, diagnose, or repair communications, sound security, or navigation equipment in motor vehicles.
Detailed	49-2097	Audiovisual Equipment Installers and Repairers	Install, repair, or adjust audio or television receivers, stereo systems, camcorders, video systems, or other electronic entertainment equipment in homes or other venues. May perform routine maintenance. Excludes "Audio and Video Technicians"
Detailed	49-2098	Security and Fire Alarm Systems Installers	Install, program, maintain, and repair security and fire alarm wiring and equipment. Ensure that work is in accordance with relevant codes. Excludes "Electricians" who do a broad range of electrical wiring.
Minor	49-3000	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	
Broad	49-3010	Aircraft Mechanics and Service Technicians	
Detailed	49-3011	Aircraft Mechanics and Service Technicians	Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems. Excludes "Avionics Technicians"
Broad	49-3020	Automotive Technicians and Repairers	
Detailed	49-3021	Automotive Body and Related Repairers	Repair and refinish automotive vehicle bodies and straighten vehicle frames.
Detailed	49-3022	Automotive Glass Installers and Repairers	Replace or repair broken windshields and window glass in motor vehicles.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	49-3023	Automotive Service Technicians and Mechanics	Diagnose, adjust, repair, or overhaul automotive vehicles. Excludes “Automotive Body and Related Repairers” , “Bus and Truck Mechanics and Diesel Engine Specialists”, and “Electronic Equipment Installers and Repairers, Motor Vehicles”.
Broad	49-3030	Bus and Truck Mechanics and Diesel Engine Specialists	
Detailed	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	Diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics working primarily with automobile or marine diesel engines.
Broad	49-3040	Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics	
Detailed	49-3041	Farm Equipment Mechanics and Service Technicians	Diagnose, adjust, repair, or overhaul farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems. Excludes “Bus and Truck Mechanics and Diesel Engine Specialists”.
Detailed	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	Diagnose, adjust, repair, or overhaul mobile mechanical, hydraulic, and pneumatic equipment such as cranes, bulldozers, graders, and conveyor used in construction, logging, and mining. Excludes “Bus and Truck Mechanics and Diesel Engine Specialists” and “Rail Car Repairers”.
Detailed	49-3043	Rail Car Repairers	Diagnose, adjust, repair, or overhaul railroad rolling stock, mine cars, or mass transit rail cars. Excludes “Bus and Truck Mechanics and Diesel Engine Specialists”.
Broad	49-3050	Small Engine Mechanics	
Detailed	49-3051	Motorboat Mechanics and Service Technicians	Repair and adjust electrical and mechanical equipment of inboard or inboard-outboard boat engines. Excludes “Bus and Truck Mechanics and Diesel Engine Specialists”
Detailed	49-3052	Motorcycle Mechanics	Diagnose, adjust, repair, or overhaul motorcycles, scooters, mopeds, dirt bikes, or similar motorized vehicles.
Detailed	49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	Diagnose, adjust, repair, or overhaul small engine used to power lawn mowers, chain saws, recreational sporting equipment, and related equipment.
Broad	49-3090	Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	49-3091	Bicycle Repairers	Repair and service bicycles.
Detailed	49-3092	Recreational Vehicle Service Technicians	Diagnose, inspect, adjust, repair, or overhaul recreational vehicles including travel trailers. May specialize in maintaining gas, electrical, hydraulic, plumbing, or chassis/towing systems as well as repairing generators, appliances, and interior components. Includes workers who perform customized van conversions.
Detailed	49-3093	Tire Repairers and Changers	Repair and replace tires.
Minor	49-9000	Other Installation, Maintenance, and Repair Occupations	
Broad	49-9010	Control and Valve Installers and Repairers	
Detailed	49-9011	Mechanical Door Repairers	Install, service, or repair automatic door mechanisms and hydraulic doors. Includes garage door mechanics.
Detailed	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	Install, repair, and maintain mechanical regulating and controlling devices, such as electric meters, g regulators, thermostats, safety and flow valves, a other mechanical governors.
Broad	49-9020	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	
Detailed	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	Install or repair heating, central air conditioning, HVAC, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.
Broad	49-9030	Home Appliance Repairers	
Detailed	49-9031	Home Appliance Repairers	Repair, adjust, or install all types of electric or gas household appliances, such as refrigerators, washers, dryers, and ovens.
Broad	49-9040	Industrial Machinery Installation, Repair, and Maintenance Workers	
Detailed	49-9041	Industrial Machinery Mechanics	Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.
Detailed	49-9043	Maintenance Workers, Machinery	Lubricate machinery, change parts, or perform other routine machinery maintenance.
Detailed	49-9044	Millwrights	Install, dismantle, or move machinery and heavy equipment according to layout plans, blueprints, or other drawings.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	49-9045	Refractory Materials Repairers, Except Brick masons	Build or repair equipment such as furnaces, kilns, cupolas, boilers, converters, ladles, soaking pits, and ovens, using refractory materials.
Broad	49-9050	Line Installers and Repairers	
Detailed	49-9051	Electrical Power-Line Installers and Repairers	Install or repair cables or wires used in electrical power or distribution systems. May erect poles or light or heavy duty transmission towers.
Detailed	49-9052	Telecommunications Line Installers and Repairers	Install and repair telecommunications cable, including fiber optics.
Broad	49-9060	Precision Instrument and Equipment Repairers	
Detailed	49-9061	Camera and Photographic Equipment Repairers	Repair and adjust cameras and photographic equipment, including commercial video and motion picture camera equipment.
Detailed	49-9062	Medical Equipment Repairers	Test, adjust, or repair biomedical or electro-medical equipment.
Detailed	49-9063	Musical Instrument Repairers and Tuners	Repair percussion, stringed, reed, or wind instruments. May specialize in one area, such as piano tuning.
Detailed	49-9064	Watch and Clock Repairers	Repair, clean, and adjust mechanisms of timing instruments, such as watches and clocks. Includes watchmakers, watch technicians, and mechanical timepiece repairers.
Detailed	49-9069	Precision Instrument and Equipment Repairers, All Other	All precision instrument and equipment repairers not listed separately.
Broad	49-9070	Maintenance and Repair Workers, General	
Detailed	49-9071	Maintenance and Repair Workers, General	Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment, or the structure of a building in repair. Duties may involve pipe fitting; HVAC maintenance; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and balancing new equipment; and repairing buildings, floors, or stairs.
Broad	49-9080	Wind Turbine Service Technicians	
Detailed	49-9081	Wind Turbine Service Technicians	Inspect, diagnose, adjust, or repair wind turbines. Perform maintenance on wind turbine equipment including resolving electrical, mechanical, and hydraulic malfunctions.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	49-9090	Miscellaneous Installation, Maintenance, and Repair Workers	
Detailed	49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	Install, service, adjust, or repair coin, vending, or amusement machines including video games, juke boxes, pinball machines, or slot machines.
Detailed	49-9092	Commercial Divers	Work below surface of water, using surface-supplied air or scuba equipment to inspect, repair, remove, or install equipment and structures. May use a variety of power and hand tools, such as drills, sledgehammers, torches, and welding equipment. May conduct tests or experiments, rig explosives, or photograph structures or marine life.
Detailed	49-9094	Locksmiths and Safe Repairers	Repair and open locks, make keys, change locks and safe combinations, and install and repair safes.
Detailed	49-9095	Manufactured Building and Mobile Home Installers	Move or install mobile homes or prefabricated buildings.
Detailed	49-9096	Riggers	Set up or repair rigging for construction projects, manufacturing plants, logging yards, ships and shipyards, or for the entertainment industry.
Detailed	49-9097	Signal and Track Switch Repairers	Install, inspect, test, maintain, or repair electric gate crossings, signals, signal equipment, track switches, section lines, or intercommunications systems within a railroad system.
Detailed	49-9098	Helpers--Installation, Maintenance, and Repair Workers	Help installation, maintenance, and repair workers in maintenance, parts replacement, and repair of vehicles, industrial machinery, and electrical and electronic equipment. Perform duties such as furnishing tools, materials, and supplies to other workers; cleaning work area, machines, and tools and holding materials or tools for other workers.
Detailed	49-9099	Installation, Maintenance, and Repair Workers, All Other	All installation, maintenance, and repair workers not listed separately.
Major	51-0000	Production Occupations	
Minor	51-1000	Supervisors of Production Workers	
Broad	51-1010	First-Line Supervisors of Production and Operating Workers	
Detailed	51-1011	First-Line Supervisors of Production and Operating Workers	Directly supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, machine setters and operators, assemblers, fabricators, and plant and system operators. Excludes team or work leaders.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Minor	51-2000	Assemblers and Fabricators	
Broad	51-2010	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	
Detailed	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Assemble, fit, fasten, and install parts of airplanes, space vehicles, or missiles, such as tails, wings, fuselage, bulkheads, stabilizers, landing gear, rigging and control equipment, or heating and ventilating systems.
Broad	51-2020	Electrical, Electronics, and Electromechanical Assemblers	
Detailed	51-2021	Coil Winders, Tapers, and Finishers	Wind wire coils used in electrical components, such as resistors and transformers, and in electrical equipment and instruments, such as field cores, bobbins, armature cores, electrical motors, generators, and control equipment.
Detailed	51-2022	Electrical and Electronic Equipment Assemblers	Assemble or modify electrical or electronic equipment, such as computers, test equipment, telemetering systems, electric motors, and batteries.
Detailed	51-2023	Electromechanical Equipment Assemblers	Assemble or modify electromechanical equipment or devices, such as servomechanisms, gyros, dynamometers, magnetic drums, tape drives, brakes, control linkage, actuators, and appliances.
Broad	51-2030	Engine and Other Machine Assemblers	
Detailed	51-2031	Engine and Other Machine Assemblers	Construct, assemble, or rebuild machines, such as engines, turbines, and similar equipment used in such industries as construction, extraction, textile and paper manufacturing.
Broad	51-2040	Structural Metal Fabricators and Fitters	
Detailed	51-2041	Structural Metal Fabricators and Fitters	Fabricate, position, align, and fit parts of structural metal products. Shipfitters are included in "Layout Workers, Metal and Plastic"
Broad	51-2050	Fiberglass Laminators and Fabricators	
Detailed	51-2051	Fiberglass Laminators and Fabricators	Laminate layers of fiberglass on molds to form boat decks and hulls, bodies for golf carts, automobiles, or other products.
Broad	51-2060	Timing Device Assemblers and Adjusters	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	51-2061	Timing Device Assemblers and Adjusters	Perform precision assembling or adjusting, within narrow tolerances, of timing devices such as digit clocks or timing devices with electrical or electronic components. Watchmakers are included in "Watch and Clock Repairers"
Broad	51-2090	Miscellaneous Assemblers and Fabricators	
Detailed	51-2092	Team Assemblers	Work as part of a team having responsibility for assembling an entire product or component of a product. Team assemblers can perform all tasks conducted by the team in the assembly process and rotate through all or most of them, rather than being assigned to a specific task on a permanent basis. May participate in making management decisions affecting the work. Includes team leaders who work as part of the team. Assemblers who continuously perform the same task are classified elsewhere
Detailed	51-2099	Assemblers and Fabricators, All Other	All assemblers and fabricators not listed separately
Minor	51-3000	Food Processing Workers	
Broad	51-3010	Bakers	
Detailed	51-3011	Bakers	Mix and bake ingredients to produce breads, rolls, cookies, cakes, pies, pastries, or other baked goods. Pastry chefs in restaurants and hotels are included with "Chefs and Head Cooks"
Broad	51-3020	Butchers and Other Meat, Poultry, and Fish Processing Workers	
Detailed	51-3021	Butchers and Meat Cutters	Cut, trim, or prepare consumer-sized portions of meat for use or sale in retail establishments.
Detailed	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	Use hands or hand tools to perform routine cutting and trimming of meat, poultry, and seafood.
Detailed	51-3023	Slaughterers and Meat Packers	Perform non routine or precision functions involving the preparation of large portions of meat. Work may include specialized slaughtering tasks, cutting standard or premium cuts of meat for marketing, making sausage, or wrapping meats. Work typically occurs in slaughtering, meat packing or wholesale establishments.
Broad	51-3090	Miscellaneous Food Processing Workers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	51-3091	Food Roasting, Baking, and Drying Machine Operators and Tenders	Operate or tend food or tobacco roasting, baking, or drying equipment, including hearth ovens, kiln driers, roasters, char kilns, and vacuum drying equipment.
Detailed	51-3092	Food Batch makers	Set up and operate equipment that mixes or blends ingredients used in the manufacturing of food products. Includes candy makers and cheese makers.
Detailed	51-3093	Food Cooking Machine Operators and Tenders	Operate or tend cooking equipment, such as steam cooking vats, deep fry cookers, pressure cookers, kettles, and boilers, to prepare food products. Excludes "Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders" ().
Detailed	51-3099	Food Processing Workers, All Other	All food processing workers not listed separately
Minor	51-4000	Metal Workers and Plastic Workers	
Broad	51-4020	Forming Machine Setters, Operators, and Tenders, Metal and Plastic	
Detailed	51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend machines to extrude or draw thermoplastic or metal materials into tubes, rods, hoses, wire, bars, or structural shapes.
Detailed	51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend forging machines to tape shape, or form metal or plastic parts.
Detailed	51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend machines to roll steel or plastic forming bends, beads, knurls, rolls, or plate or to flatten, temper, or reduce gauge of material
Broad	51-4030	Machine Tool Cutting Setters, Operators, and Tenders, Metal and Plastic	
Detailed	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material.
Detailed	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend drilling machines to drill, bore, ream, mill, or countersink metal or plastic work pieces.
Detailed	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend grinding and related tool that remove excess material or burrs from surface, sharpen edges or corners, or buff, hone, or polish metal or plastic work pieces.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend lathe and turning machine to turn, bore, thread, form, or face metal or plastic materials, such as wire, rod, or bar stock.
Detailed	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend milling or planing machine to mill, plane, shape, groove, or profile metal or plastic work pieces.
Broad	51-4040	Machinists	
Detailed	51-4041	Machinists	Set up and operate a variety of machine tools to produce precision parts and instruments out of metal. Includes precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, mathematics, metal properties, layout, and machining procedures. Machinists who primarily program or operate computer numerically controlled (CNC) equipment are classified in "Computer Numerically Controlled Tool Operator and Programmers" (
Broad	51-4050	Metal Furnace Operators, Tenders, Pourers, and Casters	
Detailed	51-4051	Metal-Refining Furnace Operators and Tenders	Operate or tend furnaces, such as gas, oil, coal, electric-arc or electric induction, open-hearth, or oxygen furnaces, to melt and refine metal before casting or to produce specified types of steel. Excludes "Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic"
Detailed	51-4052	Pourers and Casters, Metal	Operate hand-controlled mechanisms to pour and regulate the flow of molten metal into molds to produce castings or ingots.
Broad	51-4060	Model Makers and Patternmakers, Metal and Plastic	
Detailed	51-4061	Model Makers, Metal and Plastic	Set up and operate machines, such as lathes, milling and engraving machines, and jig borers to make working models of metal or plastic objects. Includes template makers.
Detailed	51-4062	Patternmakers, Metal and Plastic	Lay out, machine, fit, and assemble castings and parts to metal or plastic foundry patterns, core boxes, or match plates.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	51-4070	Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic	
Detailed	51-4071	Foundry Mold and Core makers	Make or form wax or sand cores or molds used in the production of metal castings in foundries. Excludes "Molding, Core making, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic" and "Molders, Shapers, and Casters, Except Metal and Plastic"
Detailed	51-4072	Molding, Core making, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend metal or plastic molding, casting, or core making machines to mold or cast metal or thermoplastic parts or products.
Broad	51-4080	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
Detailed	51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend more than one type of cutting or forming machine tool or robot.
Broad	51-4110	Tool and Die Makers	
Detailed	51-4111	Tool and Die Makers	Analyze specifications, lay out metal stock, set up and operate machine tools, and fit and assemble parts to make and repair dies, cutting tools, jigs, fixtures, gauges, and machinists' hand tools.
Broad	51-4120	Welding, Soldering, and Brazing Workers	
Detailed	51-4121	Welders, Cutters, Solderers, and Brazers	Use hand-welding, flame-cutting, hand-soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seam of fabricated metal products.
Detailed	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, sold or heat treat metal products, components, or assemblies. Includes workers who operate laser cutters or laser-beam machines.
Broad	51-4190	Miscellaneous Metal Workers and Plastic Workers	
Detailed	51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend heating equipment, such as heat-treating furnaces, flame-hardening machines, induction machines, soaking pits, or vacuum equipment to temper, harden, anneal, or heat treat metal or plastic objects.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	51-4192	Layout Workers, Metal and Plastic	Lay out reference points and dimensions on metal or plastic stock or workpieces, such as sheets, plates, tubes, structural shapes, castings, or machine parts, for further processing. Includes sh fitters.
Detailed	51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	Set up, operate, or tend plating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel, or other metal to protect or decorate surfaces. Typically, the product being coated is immersed in molten metal or an electrolytic solution. Excludes "Coating, Painting, and Spraying Machine Setters, Operators, and Tenders"
Detailed	51-4194	Tool Grinders, Filers, and Sharpeners	Perform precision smoothing, sharpening, polishing, or grinding of metal objects.
Detailed	51-4199	Metal Workers and Plastic Workers, All Other	All metal workers and plastic workers not listed separately.
Minor	51-5100	Printing Workers	
Broad	51-5110	Printing Workers	
Detailed	51-5111	Prepress Technicians and Workers	Format and proof text and images submitted by designers and clients into finished pages that can be printed. Includes digital and photo typesetting. May produce printing plates.
Detailed	51-5112	Printing Press Operators	Set up and operate digital, letterpress, lithograph flexographic, gravure, or other printing machines. Includes short-run offset printing presses.
Detailed	51-5113	Print Binding and Finishing Workers	Bind books and other publications or finish printed products by hand or machine. May set up binding and finishing machines.
Minor	51-6000	Textile, Apparel, and Furnishings Workers	
Broad	51-6010	Laundry and Dry-Cleaning Workers	
Detailed	51-6011	Laundry and Dry-Cleaning Workers	Operate or tend washing or dry-cleaning machine to wash or dry-clean industrial or household articles, such as cloth garments, suede, leather, furs, blankets, draperies, linens, rugs, and carpets. Includes spotters and dyers of these articles.
Broad	51-6020	Pressers, Textile, Garment, and Related Materials	
Detailed	51-6021	Pressers, Textile, Garment, and Related Materials	Press or shape articles by hand or machine.
Broad	51-6030	Sewing Machine Operators	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	51-6031	Sewing Machine Operators	Operate or tend sewing machines to join, reinforce, decorate, or perform related sewing operations in the manufacture of garment or non-garment products.
Broad	51-6040	Shoe and Leather Workers	
Detailed	51-6041	Shoe and Leather Workers and Repairers	Construct, decorate, or repair leather and leather like products, such as luggage, shoes, and saddles. May use hand tools.
Detailed	51-6042	Shoe Machine Operators and Tenders	Operate or tend a variety of machines to join, decorate, reinforce, or finish shoes and shoe part
Broad	51-6050	Tailors, Dressmakers, and Sewers	
Detailed	51-6051	Sewers, Hand	Sew, join, reinforce, or finish, usually with needle and thread, a variety of manufactured items. Includes weavers and stitchers.
Detailed	51-6052	Tailors, Dressmakers, and Custom Sewers	Design, make, alter, repair, or fit garments.
Broad	51-6060	Textile Machine Setters, Operators, and Tenders	
Detailed	51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	Operate or tend machines to bleach, shrink, wash dye, or finish textiles or synthetic or glass fibers.
Detailed	51-6062	Textile Cutting Machine Setters, Operators, and Tenders	Set up, operate, or tend machines that cut textile
Detailed	51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Set up, operate, or tend machines that knit, loop, weave, or draw in textiles. Excludes "Sewing Machine Operators"
Detailed	51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Set up, operate, or tend machines that wind or twist textiles; or draw out and combine sliver, such as wool, hemp, or synthetic fibers. Includes slubb machine and drawing frame operators.
Broad	51-6090	Miscellaneous Textile, Apparel, and Furnishings Workers	
Detailed	51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Set up, operate, or tend machines that extrude or form continuous filaments from synthetic materials, such as liquid polymer, rayon, and fiberglass.
Detailed	51-6092	Fabric and Apparel Patternmakers	Draw and construct sets of precision master fabric patterns or layouts. May also mark and cut fabric and apparel.
Detailed	51-6093	Upholsterers	Make, repair, or replace upholstery for household furniture or transportation vehicles.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	51-6099	Textile, Apparel, and Furnishings Workers, All Other	All textile, apparel, and furnishings workers not listed separately.
Minor	51-7000	Woodworkers	
Broad	51-7010	Cabinetmakers and Bench Carpenters	
Detailed	51-7011	Cabinetmakers and Bench Carpenters	Cut, shape, and assemble wooden articles or set up and operate a variety of woodworking machines, such as power saws, jointers, and mortisers to surface, cut, or shape lumber or to fabricate parts for wood products. Excludes "Woodworking Machine Setters, Operators, and Tenders"
Broad	51-7020	Furniture Finishers	
Detailed	51-7021	Furniture Finishers	Shape, finish, and refinish damaged, worn, or used furniture or new high-grade furniture to specified color or finish.
Broad	51-7030	Model Makers and Patternmakers, Wood	
Detailed	51-7031	Model Makers, Wood	Construct full-size and scale wooden precision models of products. Includes wood jig builders and loft workers.
Detailed	51-7032	Patternmakers, Wood	Plan, lay out, and construct wooden unit or sectional patterns used in forming sand molds for castings.
Broad	51-7040	Woodworking Machine Setters, Operators, and Tenders	
Detailed	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	Set up, operate, or tend wood sawing machines. May operate computer numerically controlled (CNC) equipment. Includes lead sawyers. Workers who primarily program or operate CNC equipment are classified in "Computer Numerically Controlled Tool Operators and Programmers"
Detailed	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Set up, operate, or tend woodworking machines, such as drill presses, lathes, shapers, routers, sanders, planers, and wood nailing machines. May operate computer numerically controlled (CNC) equipment. Workers who primarily program or operate CNC equipment are classified in "Computer Numerically Controlled Tool Operators and Programmers"
Broad	51-7090	Miscellaneous Woodworkers	
Detailed	51-7099	Woodworkers, All Other	All woodworkers not listed separately.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Minor	51-8000	Plant and System Operators	
Broad	51-8010	Power Plant Operators, Distributors, and Dispatchers	
Detailed	51-8012	Power Distributors and Dispatchers	Coordinate, regulate, or distribute electricity or steam.
Detailed	51-8013	Power Plant Operators	Control, operate, or maintain machinery to generate electric power. Includes auxiliary equipment operators.
Broad	51-8020	Stationary Engineers and Boiler Operators	
Detailed	51-8021	Stationary Engineers and Boiler Operators	Operate or maintain stationary engines, boilers, or other mechanical equipment to provide utilities for buildings or industrial processes. Operate equipment such as steam engines, generators, motors, turbines, and steam boilers.
Broad	51-8030	Water and Wastewater Treatment Plant and System Operators	
Detailed	51-8031	Water and Wastewater Treatment Plant and System Operators	Operate or control an entire process or system of machines, often through the use of control board to transfer or treat water or wastewater.
Broad	51-8090	Miscellaneous Plant and System Operators	
Detailed	51-8091	Chemical Plant and System Operators	Control or operate entire chemical processes or system of machines.
Detailed	51-8092	Gas Plant Operators	Distribute or process gas for utility companies and others by controlling compressors to maintain specified pressures on main pipelines.
Detailed	51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Operate or control petroleum refining or processing units. May specialize in controlling manifold and pumping systems, gauging or testing oil in storage tanks, or regulating the flow of oil into pipelines.
Detailed	51-8099	Plant and System Operators, All Other	All plant and system operators not listed separately.
Minor	51-9000	Other Production Occupations	
Broad	51-9010	Chemical Processing Machine Setters, Operators, and Tenders	
Detailed	51-9011	Chemical Equipment Operators and Tenders	Operate or tend equipment to control chemical changes or reactions in the processing of industrial or consumer products. Equipment used includes de-vulcanisers, steam-jacketed kettles, and reaction vessels. Excludes "Chemical Plant and System Operators".

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Set up, operate, or tend continuous flow or vat-type equipment; filter presses; shaker screens; centrifuges; condenser tubes; precipitating, fermenting, or evaporating tanks; scrubbing towers; or batch stills. These machines extract, so or separate liquids, gases, or solids from other materials to recover a refined product. Includes dairy processing equipment operators.
Broad	51-9020	Crushing, Grinding, Polishing, Mixing, and Blending Workers	
Detailed	51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Set up, operate, or tend machines to crush, grind, or polish materials, such as coal, glass, grain, stone food, or rubber.
Detailed	51-9022	Grinding and Polishing Workers, Hand	Grind, sand, or polish, using hand tools or hand-held power tools, a variety of metal, wood, stone, clay, plastic, or glass objects. Includes chippers, buffers, and finishers.
Detailed	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	Set up, operate, or tend machines to mix or blend materials, such as chemicals, tobacco, liquids, color pigments, or explosive ingredients.
Broad	51-9030	Cutting Workers	
Detailed	51-9031	Cutters and Trimmers, Hand	Use hand tools or hand-held power tools to cut or trim a variety of manufactured items, such as carpet, fabric, stone, glass, or rubber.
Detailed	51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	Set up, operate, or tend machines that cut or slice materials, such as glass, stone, cork, rubber, tobacco, food, paper, or insulating material. Excludes "Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic", "Textile Cutting Machine Setters, Operators, and Tenders", and "Woodworking Machine Setters, Operators, and Tenders" .
Broad	51-9040	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	
Detailed	51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Set up, operate, or tend machines, such as glass-forming machines, plodder machines, and tuber machines, to shape and form products such as glassware, food, rubber, soap, brick, tile, clay, wood, tobacco, or cosmetics. Excludes "Shoe Machine Operators and Tenders" and "Paper Goods Machine Setters, Operators, and Tenders"

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	51-9050	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	
Detailed	51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Operate or tend heating equipment other than basic metal, plastic, or food processing equipment. Includes activities such as annealing glass, drying lumber, curing rubber, removing moisture from materials, or boiling soap.
Broad	51-9060	Inspectors, Testers, Sorters, Samplers, and Weighers	
Detailed	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex testing equipment.
Broad	51-9070	Jewelers and Precious Stone and Metal Workers	
Detailed	51-9071	Jewelers and Precious Stone and Metal Workers	Design, fabricate, adjust, repair, or appraise jewelry, gold, silver, other precious metals, or gems. Includes diamond polishers and gem cutters and persons who perform precision casting and modeling of molds, casting metal in molds, or setting precious and semiprecious stones for jewelry and related products.
Broad	51-9080	Dental and Ophthalmic Laboratory Technicians and Medical Appliance Technicians	
Detailed	51-9081	Dental Laboratory Technicians	Construct and repair full or partial dentures or dental appliances. Excludes "Dental Assistants"
Detailed	51-9082	Medical Appliance Technicians	Construct, maintain, or repair medical supportive devices such as braces, orthotics and prosthetic devices, joints, arch supports, and other surgical and medical appliances.
Detailed	51-9083	Ophthalmic Laboratory Technicians	Cut, grind, and polish eyeglasses, contact lenses, and other precision optical elements. Assemble and mount lenses into frames or process other optical elements. Includes precision lens polishers or grinders, centerer-edgers, and lens mounters. Excludes "Opticians, Dispensing"
Broad	51-9110	Packaging and Filling Machine Operators and Tenders	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	51-9111	Packaging and Filling Machine Operators and Tenders	Operate or tend machines to prepare industrial or consumer products for storage or shipment. Includes cannery workers who pack food product
Broad	51-9120	Painting Workers	
Detailed	51-9123	Painting, Coating, and Decorating Workers	Paint, coat, or decorate articles, such as furniture glass, plateware, pottery, jewelry, toys, books, or leather. Excludes "Artists and Related Workers" "Designers" "Photographic Process Workers and Processing Machine Operators" and "Etchers and Engravers"
Detailed	51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Set up, operate, or tend spraying or rolling machines to coat or paint any of a wide variety of products, including glassware, cloth, ceramics, metal, plastic, paper, or wood, with lacquer, silver, copper, rubber, varnish, glaze, enamel, oil, or rust proofing materials. Includes painters of transportation vehicles such as painters in auto body repair facilities.
Broad	51-9140	Semiconductor Processing Technicians	
Detailed	51-9141	Semiconductor Processing Technicians	Perform any or all of the following functions in the manufacture of electronic semiconductors: load semiconductor material into furnace; saw formed ingots into segments; load individual segment into crystal growing chamber and monitor controls; locate crystal axis in ingot using x-ray equipment and saw ingots into wafers; and clean, polish, and load wafers into series of special purpose furnace chemical baths, and equipment used to form circuitry and change conductive properties.
Broad	51-9150	Photographic Process Workers and Processing Machine Operators	
Detailed	51-9151	Photographic Process Workers and Processing Machine Operators	Perform work involved in developing and processing photographic images from film or digit media. May perform precision tasks such as editing photographic negatives and prints.
Broad	51-9160	Computer Numerically Controlled Tool Operators and Programmers	
Detailed	51-9161	Computer Numerically Controlled Tool Operators	Operate computer-controlled tools, machines, or robots to machine or process parts, tools, or other work pieces made of metal, plastic, wood, stone, other materials. May also set up and maintain equipment.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	51-9162	Computer Numerically Controlled Tool Programmers	Develop programs to control machining or processing of materials by automatic machine tools, equipment, or systems. May also set up, operate, or maintain equipment.
Broad	51-9190	Miscellaneous Production Workers	
Detailed	51-9191	Adhesive Bonding Machine Operators and Tenders	Operate or tend bonding machines that use adhesives to join items for further processing or to form a completed product. Processes include joining veneer sheets into plywood; gluing paper; or joining rubber and rubberized fabric parts, plastic, simulated leather, or other materials. Excludes "Shoe Machine Operators and Tenders"
Detailed	51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Operate or tend machines to wash or clean products, such as barrels or kegs, glass items, tin plate, food, pulp, coal, plastic, or rubber, to remove impurities.
Detailed	51-9193	Cooling and Freezing Equipment Operators and Tenders	Operate or tend equipment such as cooling and freezing units, refrigerators, batch freezers, and freezing tunnels, to cool or freeze products, food, blood plasma, and chemicals.
Detailed	51-9194	Etchers and Engravers	Engrave or etch metal, wood, rubber, or other materials. Includes such workers as etcher-circuit processors, pantograph engravers, and silk screener etchers. Photoengravers are included in "Prepress Technicians and Workers"
Detailed	51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	Mold, shape, form, cast, or carve products such as food products, figurines, tile, pipes, and candles consisting of clay, glass, plaster, concrete, stone, or combinations of materials.
Detailed	51-9196	Paper Goods Machine Setters, Operators, and Tenders	Set up, operate, or tend paper goods machines that perform a variety of functions, such as converting sawing, corrugating, banding, wrapping, boxing, stitching, forming, or sealing paper or paperboard sheets into products.
Detailed	51-9197	Tire Builders	Operate machines to build tires.
Detailed	51-9198	Helpers--Production Workers	Help production workers by performing duties requiring less skill. Duties include supplying or holding materials or tools, and cleaning work areas and equipment. Apprentice workers are classified in the appropriate production occupations (
Detailed	51-9199	Production Workers, All Other	All production workers not listed separately. Excludes "Packers and Packagers, Hand"

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Major	53-0000	Transportation and Material Moving Occupations	
Minor	53-1000	Supervisors of Transportation and Material Moving Workers	
Broad	53-1040	First-Line Supervisors of Transportation and Material Moving Workers	
Detailed	53-1041	Aircraft Cargo Handling Supervisors	Supervise and coordinate the activities of ground crew in the loading, unloading, securing, and staging of aircraft cargo or baggage. May determine the quantity and orientation of cargo and compute aircraft center of gravity. May accompany aircraft as member of flight crew and monitor and handle cargo in flight, and assist and brief passengers on safety and emergency procedures. Includes loadmasters.
Detailed	53-1042	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	Directly supervise and coordinate the activities of helpers, laborers, or material movers, hand.
Detailed	53-1043	First-Line Supervisors of Material-Moving Machine and Vehicle Operators	Directly supervise and coordinate activities of material-moving machine and vehicle operators and helpers.
Detailed	53-1044	First-Line Supervisors of Passenger Attendants	Supervise and coordinate activities of passenger attendants. Includes supervisors of "Flight Attendants".
Detailed	53-1049	First-Line Supervisors of Transportation Workers, All Other	All first-line supervisors of transportation workers not listed separately.
Minor	53-2000	Air Transportation Workers	
Broad	53-2010	Aircraft Pilots and Flight Engineers	
Detailed	53-2011	Airline Pilots, Copilots, and Flight Engineers	Pilot and navigate the flight of fixed-wing aircraft, usually on scheduled air carrier routes, for the transport of passengers and cargo. Requires Federal Air Transport certificate and rating for specific aircraft type used. Includes regional, national, and international airline pilots and flight instructors of airline pilots..
Detailed	53-2012	Commercial Pilots	Pilot and navigate the flight of fixed-wing aircraft on nonscheduled air carrier routes, or helicopters. Requires Commercial Pilot certificate. Includes charter pilots with similar certification, and air ambulance and air tour pilots. Excludes regional, national, and international airline pilots.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	53-2020	Air Traffic Controllers and Airfield Operations Specialists	
Detailed	53-2021	Air Traffic Controllers	Control air traffic on and within vicinity of airport, and movement of air traffic between altitude sectors and control centers, according to established procedures and policies. Authorize, regulate, and control commercial airline flights according to government or company regulations to expedite and ensure flight safety.
Detailed	53-2022	Airfield Operations Specialists	Ensure the safe takeoff and landing of commercial and military aircraft. Duties include coordination between air-traffic control and maintenance personnel, dispatching, using airfield landing and navigational aids, implementing airfield safety procedures, monitoring and maintaining flight records, and applying knowledge of weather information.
Broad	53-2030	Flight Attendants	
Detailed	53-2031	Flight Attendants	Monitor safety of the aircraft cabin. Provide services to airline passengers, explain safety information, serve food and beverages, and respond to emergency incidents.
Minor	53-3000	Motor Vehicle Operators	
Broad	53-3010	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	
Detailed	53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Drive ambulance or assist ambulance driver in transporting sick, injured, or convalescent person. Assist in lifting patients.
Broad	53-3030	Driver/Sales Workers and Truck Drivers	
Detailed	53-3031	Driver/Sales Workers	Drive truck or other vehicle over established route or within an established territory and sell or deliver goods, such as food products, including restaurant take-out items, or pick up or deliver items such as commercial laundry. May also take orders, collect payment, or stock merchandise at point of delivery.
Detailed	53-3032	Heavy and Tractor-Trailer Truck Drivers	Drive a tractor-trailer combination or a truck with capacity of at least 26,001 pounds Gross Vehicle Weight (GVW). May be required to unload truck. Requires commercial drivers' license. Includes tow truck drivers.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	53-3033	Light Truck Drivers	Drive a light vehicle, such as a truck or van, with a capacity of less than 26,001 pounds Gross Vehicle Weight (GVW), primarily to pick up merchandise or packages from a distribution center and deliver. May load and unload vehicle.
Broad	53-3050	Passenger Vehicle Drivers	
Detailed	53-3052	Bus Drivers,	Drive bus including regular route operations, charters, and private carriage. May assist passengers with baggage. May collect fares or tickets.
Detailed	53-3053	Shuttle Drivers and Chauffeurs	Drive a motor vehicle to transport passengers on planned or scheduled basis. May collect a fare. Includes nonemergency medical transporters and hearse drivers. Excludes "Ambulance Drivers and Attendants,
Detailed	53-3054	Taxi Drivers	Drive a motor vehicle to transport passengers on unplanned basis and charge a fare, usually based on a meter. Excludes "Shuttle Drivers and Chauffeurs"
Broad	53-3090	Miscellaneous Motor Vehicle Operators	
Detailed	53-3099	Motor Vehicle Operators, All Other	All motor vehicle operators not listed separately.
Minor	53-4000	Rail Transportation Workers	
Broad	53-4010	Locomotive Engineers and Operators	
Detailed	53-4011	Locomotive Engineers	Drive electric, diesel-electric, steam, or gas-turbine electric locomotives to transport passengers or freight. Interpret train orders, electronic or manual signals, and railroad rules and regulations.
Detailed	53-4013	Rail Yard Engineers	Drive switching or other locomotive within railroad yard, industrial plant, quarry, construction project or similar location.
Broad	53-4020	Railroad Brake, Signal, and Switch Operators	
Detailed	53-4022	Railroad Brake, Signal, and Switch Operators	Operate or monitor railroad track switches or locomotive instruments. May couple or uncouple rolling stock to make up or break up trains. Watch for and relay traffic signals. May inspect couplings, air hoses, journal boxes, and hand brakes. May watch for dragging equipment or obstacles on rights-of-way.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	53-4030	Railroad Conductors and Yardmasters	
Detailed	53-4031	Railroad Conductors and Yardmasters	Coordinate activities of switch-engine crew within railroad yard, industrial plant, or similar location. Conductors coordinate activities of train crew on passenger or freight trains. Yardmasters review train schedules and switching orders and coordinate activities of workers engaged in railroad traffic operations, such as the makeup or breakup of trains and yard switching.
Broad	53-4040	Subway and Streetcar Operators	
Detailed	53-4041	Subway and Streetcar Operators	Operate subway or elevated suburban trains with no separate locomotive, or electric-powered streetcar, to transport passengers. May handle fares.
Broad	53-4090	Miscellaneous Rail Transportation Workers	
Detailed	53-4099	Rail Transportation Workers, All Other	All rail transportation workers not listed separately
Minor	53-5000	Water Transportation Workers	
Broad	53-5010	Sailors and Marine Oilers	
Detailed	53-5011	Sailors and Marine Oilers	Stand watch to look for obstructions in path of vessel, measure water depth, turn wheel on bridge or use emergency equipment as directed by captain, mate, or pilot. Break out, rig, overhaul, and store cargo-handling gear, stationary rigging, and running gear. Perform a variety of maintenance tasks to preserve the painted surface of the ship and to maintain line and ship equipment. Must hold government-issued certification and tanker man certification when working aboard liquid-carrying vessels. Includes able seamen and ordinary seamen.
Broad	53-5020	Ship and Boat Captains and Operators	
Detailed	53-5021	Captains, Mates, and Pilots of Water Vessels	Command or supervise operations of ships and water vessels, such as tugboats and ferryboats. Required to hold license issued by IMO Excludes "Motorboat Operators"
Detailed	53-5022	Motorboat Operators	Operate small motor-driven boats. May assist in navigational activities.
Broad	53-5030	Ship Engineers	

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	53-5031	Ship Engineers	Supervise and coordinate activities of crew engaged in operating and maintaining engines, boilers, deck machinery, and electrical, sanitary, and refrigeration equipment aboard ship. Excludes "Engineers"
Minor	53-6000	Other Transportation Workers	
Broad	53-6010	Bridge and Lock Tenders	
Detailed	53-6011	Bridge and Lock Tenders	Operate and tend bridges, canal locks, and lighthouses to permit marine passage on inland waterways, near shores, and at danger points in waterway passages. May supervise such operations. Includes drawbridge operators, lock operators, and slip bridge operators.
Broad	53-6020	Parking Attendants	
Detailed	53-6021	Parking Attendants	Park vehicles or issue tickets for customers in a parking lot or garage. May park or tend vehicles in environments such as a car dealership or rental car facility. May collect fee.
Broad	53-6030	Transportation Service Attendants	
Detailed	53-6031	Automotive and Watercraft Service Attendants	Service automobiles, buses, trucks, boats, and other automotive or marine vehicles with fuel, lubricants, and accessories. Collect payment for services and supplies. May lubricate vehicle, change motor oil, refill antifreeze, or replace lights or other accessories, such as windshield wiper blades or fan belts. May repair or replace tires. Excludes "Cashiers"
Detailed	53-6032	Aircraft Service Attendants	Service aircraft with fuel. May de-ice aircraft, refill water and cooling agents, empty sewage tanks, service air and oxygen systems, or clean and polish exterior.
Broad	53-6040	Traffic Technicians	
Detailed	53-6041	Traffic Technicians	Conduct field studies to determine traffic volume, speed, effectiveness of signals, adequacy of lighting, and other factors influencing traffic conditions, under direction of traffic engineer.
Broad	53-6050	Transportation Inspectors	
Detailed	53-6051	Transportation Inspectors	Inspect equipment or goods in connection with the safe transport of cargo or people. Includes rail transportation inspectors, such as freight inspectors, rail inspectors, and other inspectors of transportation vehicles not elsewhere classified.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Broad	53-6060	Passenger Attendants	
Detailed	53-6061	Passenger Attendants	Provide services to ensure the safety of passengers aboard ships, buses, trains, or within the station or terminal. Perform duties such as explaining the use of safety equipment, serving meals or beverages, answering questions related to travel. Excludes "Baggage Porters and Bellhops" and "Flight Attendants".
Broad	53-6090	Miscellaneous Transportation Workers	
Detailed	53-6099	Transportation Workers, All Other	All transportation workers not listed separately.
Minor	53-7000	Material Moving Workers	
Broad	53-7010	Conveyor Operators and Tenders	
Detailed	53-7011	Conveyor Operators and Tenders	Control or tend conveyors or conveyor systems that move materials or products to and from stockpile processing stations, departments, or vehicles. May control speed and routing of materials or products.
Broad	53-7020	Crane and Tower Operators	
Detailed	53-7021	Crane and Tower Operators	Operate mechanical boom and cable or tower and cable equipment to lift and move materials, machines, or products in many directions.
Broad	53-7030	Dredge Operators	
Detailed	53-7031	Dredge Operators	Operate dredge to remove sand, gravel, or other materials in order to excavate and maintain navigable channels in waterways.
Broad	53-7040	Hoist and Winch Operators	
Detailed	53-7041	Hoist and Winch Operators	Operate or tend hoists or winches to lift and pull loads using power-operated cable equipment. Excludes "Crane and Tower Operators".
Broad	53-7050	Industrial Truck and Tractor Operators	
Detailed	53-7051	Industrial Truck and Tractor Operators	Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location. Excludes "Logging Equipment Operators".
Broad	53-7060	Laborers and Material Movers	
Detailed	53-7061	Cleaners of Vehicles and Equipment	Wash or otherwise clean vehicles, machinery, and other equipment. Use such materials as water, cleaning agents, brushes, cloths, and hoses. Excludes "Janitors and Cleaners, Except Maids and Housekeeping Cleaners"

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	Manually move freight, stock, luggage, or other materials, or perform other general labor. Include all manual laborers not elsewhere classified. Excludes "Construction Laborers" and "Helpers, Construction Trades"). Excludes "Material Moving Workers" who use power equipment.
Detailed	53-7063	Machine Feeders and Off bearers	Feed materials into or remove materials from machines or equipment that is automatic or tend by other workers.
Detailed	53-7064	Packers and Packagers, Hand	Pack or package by hand a wide variety of product and materials.
Detailed	53-7065	Stockers and Order Fillers	Receive, store, and issue merchandise, materials, equipment, and other items from stockroom, warehouse, or storage yard to fill shelves, racks, tables, or customers' orders. May operate power equipment to fill orders. May mark prices on merchandise and set up sales displays.
Broad	53-7070	Pumping Station Operators	
Detailed	53-7071	Gas Compressor and Gas Pumping Station Operators	Operate steam-, gas-, electric motor-, or internal combustion-engine driven compressors. Transmit compress, or recover gases, such as butane, nitrogen, hydrogen, and natural gas.
Detailed	53-7072	Pump Operators, Except Wellhead Pumpers	Tend, control, or operate power-driven, stationary or portable pumps and manifold systems to transfer gases, oil, other liquids, slurries, or powdered materials to and from various vessels and processes.
Broad	53-7080	Refuse and Recyclable Material Collectors	
Detailed	53-7081	Refuse and Recyclable Material Collectors	Collect and dump refuse or recyclable materials from containers into truck. May drive truck.
Broad	53-7120	Tank Car, Truck, and Ship Loaders	
Detailed	53-7121	Tank Car, Truck, and Ship Loaders / Stevedores	Load and unload chemicals and bulk solids, such as coal, sand, and grain, into or from tank cars, truck or ships, using material moving equipment. May perform a variety of other tasks relating to shipment of products. May gauge or sample shipping tanks and test them for leaks.
Broad	53-7190	Miscellaneous Material Moving Workers	
Detailed	53-7199	Material Moving Workers, All Other	All material moving workers not listed separately.

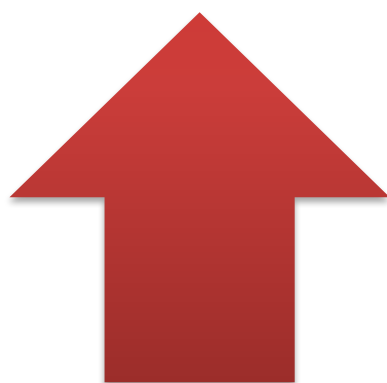
SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Major	55-0000	Military Specific Occupations	
Minor	55-1000	Military Officer Special, Coast Guard and Tactical Operations Leaders	
Broad	55-1010	Military Officer Special and Tactical Operations Leaders	
Detailed	55-1011	Coast Guard Officers	Perform and direct sailing duties to ensure the successful completion of combat, reconnaissance transport, and search and rescue missions. Duties include operating vessel communications and radar equipment, such as establishing satellite linkages and jamming enemy communications capabilities; operating weapons and defensive systems; conducting pre-voyage, in-voyage and post voyage inspections of onboard equipment; and directing cargo and personnel drops.
Detailed	55-1012	Vessel Launch and Recovery Officers	
Detailed	55-1013	Armored Vehicle Officers	Direct the operation of tanks and light assault vehicle units during combat situations on land. Duties include directing crew members in the operation of targeting and firing systems; coordinating the operation of advanced onboard communications and navigation equipment; directing the transport of personnel and equipment during combat; formulating and implementing battle plans, including the tactical employment of armored vehicle units; and coordinating with infantry, artillery, and air support units.
Detailed	55-1014	Artillery Officers	Manage personnel and weapons operations to destroy enemy positions, aircraft, and vessels. Duties include planning, targeting, and coordinating the tactical deployment of field artillery and air defense artillery missile systems units;; directing the storage and handling of ammunitions and components; overseeing security of weapons storage; and managing maintenance of weapons systems.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Detailed	55-1015	Command and Control Center Officers	Manage the operation of communications, detection, and weapons systems essential for controlling air, ground, and naval operations. Duties include managing critical communication links between air, naval, and ground forces; formulating and implementing emergency plans for natural and wartime disasters; coordinating emergency response teams and agencies; evaluating command center information and needs for high-level military and government reporting; managing the operation of surveillance and detection systems; providing technical information and advice on capabilities and operational readiness; and directing operation of weapons targeting, firing, and launch computer systems.
Detailed	55-1016	Infantry Officers	Direct, train, and lead infantry units in ground combat operations. Duties include directing deployment of infantry weapons, vehicles, and equipment; directing location, construction, and camouflage of infantry positions and equipment; managing field communications operations; coordinating with armor, artillery, and air support units; performing strategic and tactical planning, including battle plan development; and leading basic reconnaissance operations.
Detailed	55-1017	Special Forces Officers	Lead elite teams that implement unconventional operations by land, or sea during combat rescue or peacetime. These activities include offensive raids; demolitions, reconnaissance, search and rescue, and counterterrorism. In addition to their combat training, special forces officers often have specialized training in swimming, diving, survival, emergency medicine, and foreign languages. Duties include directing advanced reconnaissance operations and evaluating intelligence information; recruiting, training, and equipping friendly forces; leading raids; training personnel to implement individual missions and contingency plans; performing strategic and tactical planning for politically sensitive missions; and operating sophisticated communications equipment.
Detailed	55-1019	Military Officer Special and Tactical Operations Leaders, All Other	All military officer special and tactical operations leaders not listed separately.

SKN-NOCS Group	SKN-NOCS Code	SKN-NOCS Title	SKN-NOCS Definition
Minor	55-2000	First-Line Enlisted Military Supervisors	
Broad	55-2010	First-Line Enlisted Military Supervisors	
Detailed	55-2011	First-Line Supervisors of Coast Guard Crew Members	Supervise and coordinate the activities of air crew members. Supervisors may also perform the same activities as the workers they supervise.
Detailed	55-2012	First-Line Supervisors of Weapons Specialists/Crew Members	Supervise and coordinate the activities of weapon specialists/crew members. Supervisors may also perform the same activities as the workers they supervise.
Detailed	55-2013	First-Line Supervisors of All Other Tactical Operations Specialists	Supervise and coordinate the activities of all other tactical operations specialists not classified separately above. Supervisors may also perform the same activities as the workers they supervise.
Detailed	55-2014	Military Enlisted Tactical Operations and Weapons Specialists and Crew Members, All Other	All military enlisted tactical operations and weapons specialists and crewmembers not listed separately.

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ALPHABETICAL INDEX



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ALPHABETICAL INDEX

Major Group	Minor Group	Broad Group		Detailed Occupation
		13-2010		Accountants and Auditors
			27-2011	Actors
		27-2010		Actors, Producers, and Directors
		15-2010		Actuaries
			15-2011	Actuaries
			29-1291	Acupuncturists
			51-9191	Adhesive Bonding Machine Operators and Tenders
			23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers
			23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers
		11-3010		Administrative Services and Facilities Managers
			11-3012	Administrative Services Managers
			25-1076	Adult Literacy Teachers
		11-2010		Advertising and Promotions Managers
			11-2011	Advertising and Promotions Managers
		41-3010		Advertising Sales Agents
			41-3011	Advertising Sales Agents
	11-2000			Advertising, Marketing, Promotions, Public Relations, and Sales Managers
			17-3021	Aerospace Engineering and Operations Technologists and Technicians
		17-2010		Air Craft Engineers
			17-2011	Air Craft Engineers
		13-1010		Agents and Business Managers of Artists, Performers, and Athletes

			13-1011	Agents of Artists, Performers, and Athletes
			19-1014	Agricultural Advisors
		17-2020		Agricultural Engineers
			17-2021	Agricultural Engineers
			45-2091	Agricultural Equipment Operators
		45-2010		Agricultural Inspectors
			45-2011	Agricultural Inspectors
			19-4012	Agricultural Technicians
	45-2000			Agricultural Workers
			45-2099	Agricultural Workers, All Other
		19-4010		Agricultural, Fisheries and Food Science Technicians
		19-1010		Agricultural, Fisheries, Food Scientists and Advisors
45-0000				Agriculture, Agri-Business, Fishing, Environment Management and Landscaping Occupations
			47-5011	Air Conditioning Technicians
		47-5010		Air Conditioning, Ventilation and Refrigeration Workers
			11-9181	Air Port managers, All Other
			33-9093	Air Port Security Screeners
			53-2021	Air Traffic Controllers
		53-2020		Air Traffic Controllers and Airfield Operations Specialists
	53-2000			Air Transportation Workers
			53-1041	Aircraft Cargo Handling Supervisors
		49-3010		Aircraft Mechanics and Service Technicians
			49-3011	Aircraft Mechanics and Service Technicians
		53-2010		Aircraft Pilots and Flight Engineers
			53-6037	Aircraft Service Attendants
			53-2022	Airfield Operations Specialists
			53-2011	Airline Pilots, Copilots, and Flight Engineers
			25-1099	All Other Support Staff
		53-3010		Ambulance Drivers and Attendants, Except Emergency Medical Technicians

			53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians
			39-3091	Amusement and Recreation Attendants
			29-1211	Anesthesiologists
		45-2020		Animal Breeders
			45-2021	Animal Breeders
	39-2000			Animal Care and Service Workers
		39-2020		Animal Caretakers
			39-2021	Animal Caretakers
		33-9010		Animal Control Workers
			33-9011	Animal Control Workers
			19-1011	Animal Scientists
		39-2010		Animal Trainers
			39-2011	Animal Trainers
			19-3091	Anthropologists and Archeologists
			13-2023	Appraisers and Assessors of Real Estate
			13-2022	Appraisers of Personal and Business Property
			45-3031	Aquaculture Workers
			23-1022	Arbitrators, Mediators, and Conciliators
			23-1022	Arbitrators, Mediators, and Conciliators
			17-1011	Architects, Except Landscape and Naval
		17-1010		Architects, Except Naval
	17-1000			Architects, Surveyors, and Cartographers
			17-3011	Architectural and Civil Drafters
		11-9040		Architectural and Engineering Managers
			11-9041	Architectural and Engineering Managers
		11-9040		Architectural and Engineering Managers
17-0000				Architecture and Engineering Occupations
			25-2011	Archivists
		25-2010		Archivists, Curators, and Museum Technicians
			55-1013	Armored Vehicle Officers
	27-1000			Art and Design Workers

			27-1011	Art Directors
			55-1014	Artillery Officers
		27-1010		Artists and Related Workers
			27-1019	Artists and Related Workers, All Other
27-0000				Arts, Design, Entertainment, Recreation, Sports, and Media Occupations
	51-2000			Assemblers and Fabricators
			51-2099	Assemblers and Fabricators, All Other
			25-1013	Assistant lecturers
			25-1043	Assistant Teachers
			27-2021	Athletes and Sports Competitors
		27-2020		Athletes, Coaches, Umpires, and Related Workers
			27-4011	Audio and Video Technicians
		29-1180		Audiologists
			29-1181	Audiologists
			49-2097	Audiovisual Equipment Installers and Repairers
			13-2012	Auditors
			49-3021	Automotive Body, Painting and Related Repairers
			49-3022	Automotive Glass Installers and Repairers
			53-6031	Automotive Service Attendants
			49-3023	Automotive Service Technicians and Mechanics
		49-3020		Automotive Technicians and Repairers
			49-2091	Avionics Technicians
B				
			39-6011	Baggage Porters and Bellhops
	39-6000			Baggage Porters, Bellhops, and Concierges
		39-6010		Baggage Porters, Bellhops, and Concierges
			23-2094	Bailiff
		51-3010		Bakers
			51-3011	Bakers
			39-5011	Barbers

		39-5010		Barbers, Hairdressers, Hairstylists and Cosmetologists
		35-3010		Bartenders
			35-3011	Bartenders
			49-3091	Bicycle Repairers
		43-3010		Bill and Account Collectors
			43-3011	Bill and Account Collectors
		43-3020		Billing and Posting Clerks
			43-3021	Billing and Posting Clerks
			19-1021	Biochemists and Biophysicists
		17-2030		Bioengineers and Biomedical Engineers
			17-2031	Bioengineers and Biomedical Engineers
			19-1029	Biological Scientists and Professionals, All Other
		19-4020		Biological Technicians
			19-4021	Biological Technicians
		19-1020		Biological, Botanist, Zoologist and Related Professionals
		47-2010		Boilermakers
			47-2011	Boilermakers
		43-3030		Bookkeeping, Accounting, and Auditing Clerks
			43-3031	Bookkeeping, Accounting, and Auditing Clerks
			47-2021	Brick-masons and Block-masons
		47-2020		Brick-masons, Block-masons, and Stonemasons
		27-3010		Broadcast Announcers and Radio Disc Jockeys
			27-3011	Broadcast Announcers and Radio Disc Jockeys
			27-4012	Broadcast Technicians
		27-4010		Broadcast, Sound, and Lighting Technicians
		43-4010		Brokerage Clerks
			43-4011	Brokerage Clerks
		13-2030		Budget Analysts
			13-2031	Budget Analysts
37-0000				Building and Grounds Cleaning and Property Maintenance Occupations
	37-2000			Building Cleaning and Pest Control Workers

		37-2010		Building Cleaning Workers
			37-2019	Building Cleaning Workers, All Other
		47-5020		Building frame and related trade workers
	47-5000			Building System Workers
			47-5099	Building system Workers, All Other
		49-3030		Bus and Truck Mechanics and Diesel Engine Specialists
			49-3031	Bus and Truck Mechanics and Diesel Engine Specialists
			53-3052	Bus Drivers, Public Transit
			53-3051	Bus Drivers, School
13-0000				Business and Financial Operations Occupations
			13-1012	Business Managers of Artists, Performers, and Athletes
			13-1199	Business Operations Officers, All Other related professionals
	13-1000			Business Operations Specialists and Administration Professionals
			51-3021	Butchers and Meat Cutters
		51-3020		Butchers and Other Meat, Poultry, and Fish Processing Workers
		13-1020		Buyers and Purchasing Agents
			13-1021	Buyers and Purchasing Agents, Farm Products
C				
		51-7010		Cabinetmakers and Bench Carpenters
			51-7011	Cabinetmakers and Bench Carpenters
			17-3028	Calibration Technologists and Technicians
			49-9061	Camera and Photographic Equipment Repairers
			27-4031	Camera Operators, Television, Video, and Film
			53-5021	Captains, Mates, and Pilots of Water Vessels
			29-1212	Cardiologists
			29-2031	Cardiovascular Technologists and Technicians

			13-1076	Career Advisors
		43-5010		Cargo and Freight Agents
			43-5011	Cargo and Freight Agents
		47-2030		Carpenters
			47-2031	Carpenters
			47-2041	Carpet Installers
		47-2040		Carpet, Floor, and Tile Installers and Finishers
			17-1021	Cartographers and Photogrammetrists
		41-2010		Cashiers
			41-2011	Cashiers
			47-2051	Cement Masons and Concrete Finishers
		47-2050		Cement Masons, Concrete Finishers, and Terrazzo Workers
			13-2013	Chartered Accountants
			35-1011	Chefs and Head Cooks
		17-2040		Chemical Engineers
			17-2041	Chemical Engineers
			51-9011	Chemical Equipment Operators and Tenders
			51-8091	Chemical Plant and System Operators
		51-9010		Chemical Processing Machine Setters, Operators, and Tenders
		19-4030		Chemical Technicians
			19-4031	Chemical Technicians
			19-2021	Chemists
		19-2020		Chemists and Materials Scientists
		11-1010		Chief Executives
			11-1011	Chief Executives
			21-1021	Child, Family, and School Social Workers
		39-9010		Childcare Workers
			39-9011	Childcare Workers
		29-1010		Chiropractors
			29-1011	Chiropractors
			27-2032	Choreographers
			17-3022	Civil Engineering Technologists and Technicians
		17-2050		Civil Engineers
		13-1030		Claims Adjusters, Appraisers, Examiners, and Investigators

			13-1031	Claims Adjusters, Examiners, and Investigators
			53-7061	Cleaners of Vehicles and Equipment
			51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders
				Clerk of Courts
			23-1025	Clerk of Courts
			19-3033	Clinical and Counseling Psychologists
		29-2010		Clinical Laboratory Technologists and Technicians
			27-2022	Coaches and Scouts
			55-1011	Coast Guard Officers
			51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders
			51-2021	Coil Winders, Tapers, and Finishers
			49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers
			13-1042	Collections Officers
			55-1015	Command and Control Center Officers
			27-1021	Commercial and Industrial Designers
			49-9092	Commercial Divers
			53-2012	Commercial Pilots
			53-6034	Commercial vehicle Attendants
	43-2000			Communications Equipment Operators
			43-2099	Communications Equipment Operators, All Other
			21-1099	Community and Social Service Specialists, All Other
			21-1094	Community Health Workers
21-0000				Community, Social and Public Service Occupations
		11-3110		Compensation and Benefits Managers
			11-3111	Compensation and Benefits Managers
			13-1141	Compensation and Benefits officers

		13-1140		Compensation and Benefits Professionals
		13-1040		Compliance Officers
			13-1041	Compliance Officers
		15-1220		Computer and Information Research Scientists
			15-1221	Computer and Information Research Scientists
		11-3020		Computer and Information Systems Managers
			11-3021	Computer and Information Systems Managers
		15-1210		Computer and Information Technology Officers
		17-2060		Computer Hardware Engineers
			17-2061	Computer Hardware Engineers
		17-2060		Computer Hardware Engineers
			15-1241	Computer Network Architects
			15-1231	Computer Network Support Specialists
			51-9161	Computer Numerically Controlled Tool Operators
		51-9160		Computer Numerically Controlled Tool Operators and Programmers
			51-9162	Computer Numerically Controlled Tool Programmers
			15-1299	Computer Occupations, All Other
			15-1251	Computer Programmers
		15-1230		Computer Support Specialists
			15-1211	Computer Systems Officer
			15-1232	Computer User Support Specialists
		49-2010		Computer, Automated Teller, and Office Machine Repairers
			49-2011	Computer, Automated Teller, and Office Machine Repairers
15-0000				Computer, Communications, Information Technology and Mathematical Occupations
	15-1200			Computer, Database and Networking Occupations
			39-6012	Concierges

		19-1030		Conservation and Environmental Professionals
			19-1031	Conservation Scientists / Conservationist
		19-4070		Conservation Technicians
			19-4071	Conservation Technicians
		45-4010		Conservation Workers
			45-4011	Conservation Workers
	45-4000			Conservation, Environmental & Related Workers
		47-4010		Construction and Building Inspectors
			47-4011	Construction and Building Inspectors
47-0000				Construction and Building Systems Occupations
			47-4099	Construction and Related Workers, All Other
		47-2070		Construction Equipment Operators
		47-2060		Construction Laborers
			47-2061	Construction Laborers
		11-9020		Construction Managers
			11-9021	Construction Managers
	47-2000			Construction Trades Workers
		49-9010		Control and Valve Installers and Repairers
			49-9012	Control and Valve Installers and Repairers, Except Mechanical Door
		53-7010		Conveyor Operators and Tenders
			53-7011	Conveyor Operators and Tenders
		35-2010		Cooks
	35-2000			Cooks and Food Preparation Workers
			35-2019	Cooks, All Other
			35-2011	Cooks, Fast Food
			35-2012	Cooks, Institution and Cafeteria
			35-2013	Cooks, Private Household
			35-2014	Cooks, Restaurant
			35-2015	Cooks, Short Order
			51-9193	Cooling and Freezing Equipment Operators and Tenders

		33-3010		Correctional Officer
			33-3011	Correctional Officers
		43-4020		Correspondence Clerks
			43-4021	Correspondence Clerks
			13-1051	Cost Estimators
		13-1050		Cost Estimators and Investment Officers
			39-3092	Costume Attendants
		21-1010		Counselors
			21-1019	Counselors, All Other
	21-1000			Counselors, Social Workers, and Other Community and Social Service Specialists
			41-2021	Counter and Rental Clerks
		41-2020		Counter and Rental Clerks and Parts Salespersons
		43-5020		Couriers and Messengers
			43-5021	Couriers and Messengers
			23-1014	Court Registrar
			23-1014	Court Registrar
			27-3092	Court Reporters
		43-4030		Court, Municipal, and License Clerks
			43-4031	Court, Municipal, and License Clerks
			27-1012	Craft Artists
		53-7020		Crane and Tower Operators
			53-7021	Crane and Tower Operators
			13-2041	Credit Analysts
		13-2040		Credit and Loan Officers
		43-4040		Credit Authorizers, Checkers, and Clerks
			43-4041	Credit Authorizers, Checkers, and Clerks
			13-2043	Credit Counselors
			13-2042	Credit Officer
			39-4012	Crematory Operators
			33-9091	Crossing Guards and Flag men
			53-6036	Cruise Ships and Mega Yacht Attendants
			51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders
		51-9020		Crushing, Grinding, Polishing, Mixing, and Blending Workers
			25-2012	Curators

		43-4050		Customer Service Representatives
			43-4051	Customer Service Representatives
			51-9031	Cutters and Trimmers, Hand
			51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders
		51-9030		Cutting Workers
			51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
D				
			27-2031	Dancers
		27-2030		Dancers and Choreographers
		43-9020		Data Entry and Information Processing Workers
			43-9021	Data Entry Keyers
		15-2030		Data Research Analysts
			15-2031	Data Research Analysts
			15-1242	Database Administrators
		15-1240		Database and Network Administrators and Architects
			15-1243	Database Architects
			45-3033	Deep Sea Fishing Workers
			47-5023	Demolition workers
			41-9011	Demonstrators and Product Promoters
		51-9080		Dental and Ophthalmic Laboratory Technicians and Medical Appliance Technicians
			31-9091	Dental Assistants
			29-1292	Dental Hygienists and Dental Assistant
			51-9081	Dental Laboratory Technicians
		29-1020		Dentists
			29-1029	Dentists, All Other Specialists
			29-1021	Dentists, General
			29-1213	Dermatologists
		27-1020		Designers
			27-1029	Designers, All Other
		43-9030		Desktop Publishers
			43-9031	Desktop Publishers
		33-3020		Detectives and Criminal Investigators

			33-3021	Detectives and Criminal Investigators
			29-2032	Diagnostic Medical Sonographers
		29-2030		Diagnostic Related Technologists and Technicians
			29-2051	Dietetic Technicians
		29-1030		Dietitians and Nutritionists
			29-1031	Dietitians and Nutritionists
		35-9010		Dining Room and Cafeteria Attendants and Bartender Helpers
			35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers
		21-2020		Directors, Religious Activities and Education
			21-2021	Directors, Religious Activities and Education
		21-2020		Directors, Religious Activities and Education
			21-2021	Directors, Religious Activities and Education
			27-2091	Disc Jockeys, Except Radio
		35-9020		Dishwashers
			35-9021	Dishwashers
		43-5030		Dispatchers
			43-5032	Dispatchers, Except Police, Fire, and Ambulance
			43-9112	Documentation Specialist
			41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers
		17-3010		Drafters
			17-3019	Drafters, All Other
	17-3000			Drafters, Engineering Technicians, and Mapping Technicians
		53-7030		Dredge Operators
			53-7031	Dredge Operators
			51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
			53-3031	Driver/Sales Workers
		53-3030		Driver/Sales Workers and Truck Drivers

			47-2081	Drywall and Ceiling Tile Installers
		47-2080		Drywall Installer and Ceiling Tile Installers
E				
			25-1042	Early Childhood Education Teachers
			19-1035	Ecologist
		19-3010		Economists
			19-3011	Economists
			27-3041	Editors
			11-9039	Education Administrators, All Other
			11-9032	Education Administrators, Kindergarten through Secondary
			11-9033	Education Administrators, Postsecondary
		11-9030		Education and Childcare Administrators
			11-9031	Education and Childcare Administrators, Preschool and Daycare
		25-1050		Education Methods Specialist
			25-1051	Education Methods Specialist
			25-1052	Education Officer
25-0000				Education, Training and Library Occupations
			25-3099	Educational Instruction and Library Workers, All Other
			21-1012	Educational, Guidance, and Career Counselors and Advisors
	25-1000			Educators and Teaching Professionals
			49-2092	Electric Motor, Power Tool, and Related Repairers
			17-3023	Electrical and Electronic Engineering Technologists and Technicians
			51-2022	Electrical and Electronic Equipment Assemblers
	49-2000			Electrical and Electronic Equipment Mechanics, Installers, and Repairers

			17-3012	Electrical and Electronics Drafters
		17-2070		Electrical and Electronics Engineers
			49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment
			49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment
			49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay
			17-2071	Electrical Engineers
			49-9051	Electrical Power-Line Installers and Repairers
		51-2020		Electrical, Electronics, and Electromechanical Assemblers
		47-2110		Electricians
			47-2111	Electricians
			17-3024	Electro-Mechanical Technologists and Technicians
			51-2023	Electromechanical Equipment Assemblers
			49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles
			17-2072	Electronics Engineers, Except Computer
		47-4020		Elevator and Escalator Installers and Repairers
			47-4021	Elevator and Escalator Installers and Repairers
		43-4060		Eligibility Interviewers, Government Programs
			43-4061	Eligibility Interviewers, Government Programs
			39-4011	Embalmers
		39-4010		Embalmers and Crematory Operators
		11-9160		Emergency Management Managers
			11-9161	Emergency Management Managers
			29-2042	Emergency Medical Technicians

		29-2040		Emergency Medical Technicians and Paramedics
			29-1214	Emergency Medicine Physicians
		51-2030		Engine and Other Machine Assemblers
			51-2031	Engine Components and Other Machine Assemblers
		17-3020		Engineering Technologists and Technicians, Except Drafters
			17-3029	Engineering Technologists and Technicians, Except Drafters, All Other
	17-2000			Engineers
			17-2199	Engineers, All Other
	27-2000			Entertainers and Performers, Sports and Related Workers
			27-2099	Entertainers and Performers, Sports and Related Workers, All Other
		11-9070		Entertainment and Recreation Managers
			11-9072	Entertainment and Recreation Managers, Except Gambling
	39-3000			Entertainment Attendants and Related Workers
			39-3099	Entertainment Attendants and Related Workers, All Other
			19-1034	Environmental Auditor
			17-3025	Environmental Engineering Technologists and Technicians
		17-2080		Environmental Engineers
			17-2081	Environmental Engineers
			29-2093	Environmental Health officer
			19-1034	Environmental Officer /Analyst
		19-4040		Environmental Science and Geoscience Technicians
			19-4042	Environmental Science and Protection Technicians, Including Health
		19-2030		Environmental Scientists and Geoscientists
			19-2031	Environmental Scientists and Specialists, Including Health
			45-4012	Environmental Workers
			19-1041	Epidemiologists

			51-9194	Etchers and Engravers
			43-6011	Executive Secretaries and Executive Administrative Assistants
			29-1128	Exercise Physiologists
			39-9031	Exercise Trainers and Group Fitness Instructors
			51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
			51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers
		51-9040		Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
			51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
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			51-6092	Fabric and Apparel Patternmakers
			11-3013	Facilities Managers
			29-1215	Family Medicine Physicians
		25-3020		Farm and Home Management Trainers
			25-3021	Farm and Home Management Trainers
			49-3041	Farm Equipment Mechanics and Service Technicians
			13-1074	Farm Labor Contractors
			45-2092	Farm workers and Laborers, Crop, Nursery, and Greenhouse
		11-9010		Farmers, and Other Agricultural Managers
			11-9013	Farmers, and Other Agricultural Managers
			45-2093	Farmworkers, Farm, and Aqua-cultural Animals
			27-1022	Fashion Designers
		35-3020		Fast Food and Counter Workers

			35-3023	Fast Food and Counter Workers
		47-4030		Fence Erectors
			47-4031	Fence Erectors
			53-6032	Ferry and Watercraft Service Attendants
		51-2050		Fiberglass Laminators and Fabricators
			51-2051	Fiberglass Laminators and Fabricators
			45-2094	Field Crop and Vegetable Growers
		43-4070		File Clerks
			43-4071	File Clerks
			27-4032	Film and Video Editors
		13-2050		Financial Analysts and Advisors
			13-2051	Financial and Investment Analysts
			13-2014	Financial Auditors
	43-3000			Financial Clerks
			43-3099	Financial Clerks, All Other
		13-2060		Financial Examiners
			13-2061	Financial Examiners
		11-3030		Financial Managers
			11-3031	Financial Managers
			13-2099	Financial Professionals and Specialists, All other related
			13-2054	Financial Risk Specialists
	13-2000			Financial Specialists
			27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators
		33-2020		Fire Inspectors
			33-2021	Fire Inspectors and Investigators
		33-2010		Firefighters
			33-2011	Firefighters
	33-2000			Firefighting and Prevention Workers
	55-2000			First-Line Enlisted Military Supervisors
		55-2010		First-Line Enlisted Military Supervisors
		45-1010		First-Line Supervisors of Agriculture, Agri-Business, Fishing, Environment

				Management and Landscaping Workers
			45-1011	First-Line Supervisors of Agriculture, Agri-Business, Fishing, Environment Management and Landscaping Workers
			55-2013	First-Line Supervisors of All Other Tactical Operations Specialists
		37-1010		First-Line Supervisors of Building and Grounds Cleaning and Property Maintenance Workers
			55-2011	First-Line Supervisors of Coast Guard Crew Members
		47-1010		First-Line Supervisors of Construction Trades and Building System Workers
			47-1011	First-Line Supervisors of Construction Trades and Building System Workers
			33-1011	First-Line Supervisors of Correctional Officers
		39-1010		First-Line Supervisors of Entertainment and Recreation Workers
			39-1014	First-Line Supervisors of Entertainment and Recreation Workers, Except Gambling Services
		33-1020		First-Line Supervisors of Firefighting and Prevention Workers
			33-1021	First-Line Supervisors of Firefighting and Prevention Workers
			35-1012	First-Line Supervisors of Food Preparation and Serving Workers
			39-1013	First-Line Supervisors of Gambling Services Workers
			53-1042	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand

			37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers
			37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Grounds keeping Workers
		33-1010		First-Line Supervisors of Law Enforcement Workers
		41-1010		First-Line Supervisors of Marketing, Promotion and Sales Workers
			41-1011	First-Line Supervisors of Marketing, Promotion and Sales Workers
			53-1043	First-Line Supervisors of Material-Moving Machine and Vehicle Operators
		49-1010		First-Line Supervisors of Mechanics, Installers, and Repairers
			49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers
			41-1012	First-Line Supervisors of Non-Retail Sales Workers
		43-1010		First-Line Supervisors of Office and Administrative Support Workers
			43-1011	First-Line Supervisors of Office and Administrative Support Workers
			53-1044	First-Line Supervisors of Passenger Attendants
		39-1020		First-Line Supervisors of Personal Service Workers
			39-1022	First-Line Supervisors of Personal Service Workers
			33-1012	First-Line Supervisors of Police and Detectives
		51-1010		First-Line Supervisors of Production and Operating Workers
			51-1011	First-Line Supervisors of Production and Operating Workers

			33-1099	First-Line Supervisors of Protective Service Workers, All Other
			33-1091	First-Line Supervisors of Security Workers
		53-1040		First-Line Supervisors of Transportation and Material Moving Workers
			53-1049	First-Line Supervisors of Transportation Workers, All Other
			55-2012	First-Line Supervisors of Weapons Specialists
		33-3030		Fish and Game Wardens
			33-3031	Fish and Game Wardens
			19-1015	Fisheries Advisors
		45-3030		Fishing and Hunting Workers
	45-3000			Fishing Workers
		53-2030		Flight Attendants
			53-2031	Flight Attendants
			47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles
			47-2043	Floor Sanders and Finishers
			27-1023	Floral Designers
	35-3000			Food and Beverage Serving Workers
			51-3092	Food Batch makers
			51-3093	Food Cooking Machine Operators and Tenders
			35-9099	Food Preparation and Serving Related Workers, All Other
		35-2020		Food Preparation Workers
			35-2021	Food Preparation Workers
35-0000				Food Preparation, Hospitality, Tourism and Serving Related Occupations
	51-3000			Food Processing Workers
			51-3099	Food Processing Workers, All Other
			19-4013	Food Science Technicians
			19-1012	Food Scientists and Technologists
		35-3040		Food Servers, Non-restaurant
			35-3041	Food Servers, Non-restaurant
		11-9050		Food Service Managers
			11-9051	Food Service Managers

			51-3091	Food, Baking, and Drying Machine Operators and Tenders
			25-1071	Foreign Language Teachers
			19-4092	Forensic Technicians
			51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic
		51-4020		Forming Machine Setters, Operators, and Tenders, Metal and Plastic
		13-1130		Fundraisers
			13-1131	Fundraisers
			1-2033	Fundraising Managers
		39-4020		Funeral Attendants
			39-4021	Funeral Attendants
			11-9171	Funeral Home Managers
	39-4000			Funeral Service Workers
		51-9050		Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
			51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
		51-7020		Furniture Finishers
			51-7021	Furniture Finishers
G				
			39-3012	Gambling and Sports Book Writers and Runners
		43-3040		Gambling Cage Workers
			43-3041	Gambling Cage Workers
			41-2012	Gambling Change Persons and Booth Cashiers
			39-3011	Gambling Dealers
			11-9071	Gambling Managers
			39-3019	Gambling Service Workers, All Other
		39-3010		Gambling Services Workers
			33-9031	Gambling Surveillance Officers and Gambling Investigators
			45-2096	Gardeners, Horticultural and Nursery Growers
			53-7071	Gas Compressor and Gas Pumping Station Operators
			51-8092	Gas Plant Operators
			13-2011	General Accountants
		11-1020		General and Operations Managers

			11-1021	General and Operations Managers
			29-1216	General Internal Medicine Physicians
			29-9091	Genetic Counselors
			19-3092	Geographers
			19-4043	Geological Technicians, Except Hydrologic Technicians
			19-2032	Geoscientists, Except Hydrologists and Geographers
		45-2040		Graders and Sorters, Agricultural Products
			45-2041	Graders and Sorters, Agricultural Products
			27-1024	Graphic Designers
			51-9022	Grinding and Polishing Workers, Hand
			51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
	37-3000			Grounds Maintenance Workers
		37-3010		Grounds Maintenance Workers
			37-3019	Grounds Maintenance Workers, All Other
			25-1077	Guidance Counsellors
H				
			39-5012	Hairdressers, Hairstylists, and Cosmetologists
		47-4040		Hazardous Materials Removal Workers
			47-4041	Hazardous Materials Removal Workers
			17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors
			21-1091	Health Education Specialists
		29-9020		Health Information Technologists and Medical Registrars
			29-9021	Health Information Technologists and Medical Registrars

		29-2050		Health Practitioner Support Technologists and Technicians
	29-2000			Health Technologists and Technicians
			29-2099	Health Technologists and Technicians, All Other
	29-1000			Healthcare Diagnosing or Treating Practitioners
			29-1299	Healthcare Diagnosing or Treating Practitioners, All Other
29-0000				Healthcare Practitioners and Technical Occupations
			29-9099	Healthcare Practitioners and Technical Workers, All Other
			21-1022	Healthcare Social Workers
31-0000				Healthcare Support Occupations
			31-9099	Healthcare Support Workers, All Other
			51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
		49-9020		Heating, Air Conditioning, and Refrigeration Mechanics and Installers
			49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers
			53-3032	Heavy and Tractor-Trailer Truck Drivers
		49-3040		Heavy Vehicle and Mobile Equipment Service Technicians and Mechanics
			47-3012	Helpers--Carpenters
			47-3013	Helpers--Electricians
		47-5080		Helpers--Extraction Workers
			47-5081	Helpers--Extraction Workers
			49-9098	Helpers--Installation, Maintenance, and Repair Workers
			47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons
			51-9198	Helpers--Production Workers
			47-3016	Helpers--Roofers

			47-3015	Helpers—Pipe layers, Plumbers, Pipefitters, and Steamfitters
			47-3011	Helpers, Brick masons, Block masons, Stonemasons, and Tile and Marble Setters
	47-3000			Helpers, Construction Trades
		47-3010		Helpers, Construction Trades
			47-3019	Helpers, Construction Trades, All Other
		47-4050		Highway Maintenance Workers
			47-4051	Highway Maintenance Workers
			19-3093	Historians
		53-7040		Hoist and Winch Operators
			53-7041	Hoist and Winch Operators
		49-9030		Home Appliance Repairers
			49-9031	Home Appliance Repairers
			31-1011	Home Health Aides
		31-1010		Home Health and Personal Care Aides
	31-1000			Home Health and Personal Care Aides; and Nursing Assistants, Orderlies, and Psychiatric Aides
		35-9030		Hosts and Hostesses, Restaurant and Lounge
			35-9031	Hosts and Hostesses, Restaurant and Lounge
		43-4080		Hotel, Motel, and Resort Desk Clerks
			43-4081	Hotel, Motel, and Resort Desk Clerks
		13-1070		Human Resources and Career Professionals
		43-4160		Human Resources Assistants, Except Payroll and Timekeeping
			43-4161	Human Resources Assistants, Except Payroll and Timekeeping
		11-3120		Human Resources Managers
			11-3121	Human Resources Managers
			13-1071	Human Resources Specialists / Officer
			45-3034	Hunters and Trappers

			19-4044	Hydrologic Technicians
			19-2033	Hydrologists
			17-3026	Industrial Engineering Technologists and Technicians
I				
			17-2112	Industrial Engineers
		17-2110		Industrial Engineers, Including Health and Safety
		49-9040		Industrial Machinery Installation, Repair, and Maintenance Workers
			49-9041	Industrial Machinery Mechanics
		11-3050		Industrial Production Managers
			11-3051	Industrial Production Managers
			13-1075	Industrial Relations Officer
		53-7050		Industrial Truck and Tractor Operators
			53-7051	Industrial Truck and Tractor Operators
			55-1016	Infantry Officers
	43-4000			Information and Record Clerks
			43-4199	Information and Record Clerks, All Other
			15-1212	Information Security Specialist
			25-1075	Information Technology and Graphic Arts
			45-3032	Inland and Coastal Waters Fishery workers
		51-9060		Inspectors, Testers, Sorters, Samplers, and Weighers
			51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers
			49-9099	Installation, Maintenance, and Repair Workers, All Other
		25-3030		Instructional Coordinators
			25-3031	Instructional Coordinators
		47-2120		Insulation Workers
			47-2121	Insulation Workers, Floor, Ceiling, and Wall
			47-2122	Insulation Workers, Mechanical

			13-1032	Insurance Appraisers, Auto Damage
		43-9040		Insurance Claims and Policy Processing Clerks
			43-9041	Insurance Claims and Policy Processing Clerks
		41-3020		Insurance Sales Agents
			41-3021	Insurance Sales Agents
			13-2053	Insurance Underwriters
			27-1025	Interior Designers
			27-3091	Interpreters and Translators
		43-4110		Interviewers, Except Eligibility and Loan
			43-4111	Interviewers, Except Eligibility and Loan
				Investment Officers
			25-1078	Invigilator
J				
			37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners
		51-9070		Jewelers and Precious Stone and Metal Workers
			51-9071	Jewelers and Precious Stone and Metal Workers
			23-1024	Judges, Court of Appeal and Supreme Court
				Judges, Court of Appeal and Supreme Courts
			23-1023	Judges, Magistrate Judges, and Magistrates
			23-1023	Judges, Magistrate Judges, and Magistrates
		23-1020		Judges, Magistrates, and Other Judicial Workers
		23-1020		Judges, Magistrates, and Other Judicial Workers
			23-1012	Judicial Law Clerks
			23-1012	Judicial Law Clerks
			23-2095	Justice of the Peace
L				
			53-7062	Laborers and Freight, Stock, and Material Movers, Hand
		53-7060		Laborers and Material Movers
			19-1032	Landfill Supervisors

			17-1012	Landscape Architects
			37-3011	Landscaping and Grounds keeping Workers
			51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic
		51-6010		Laundry and Dry-Cleaning Workers
			51-6011	Laundry and Dry-Cleaning Workers
	33-3000			Law Enforcement Workers
			23-1011	Lawyers
			23-1011	Lawyers
		23-1010		Lawyers and Judicial Law Clerks
		23-1010		Lawyers and Judicial Law Clerks
	23-1000			Lawyers, Judges, and Related Workers
	23-1000			Lawyers, Judges, and Related Workers
			51-4192	Layout Workers, Metal and Plastic
			25-1012	Lecturers
			23-1013	Legal Draftsman
			23-1013	Legal Draftsman
23-0000				Legal Occupations
23-0000				Legal Occupations
			43-6012	Legal Secretaries and Administrative Assistants
	23-2000		23-1027	Legal Support Workers
			23-2099	Legal Support Workers, All Other
		11-1030		Legislators
			11-1031	Legislators
		25-2020		Librarians and Media Collections Specialists
			25-2022	Librarians and Media Collections Specialists
	25-2000			Librarians, Curators, and Archivists
		43-4120		Library Assistants, Clerical
			43-4121	Library Assistants, Clerical
		25-2030		Library Technicians
			25-2031	Library Technicians
		29-2060		Licensed Practical and Licensed Vocational Nurses

			29-2061	Licensed Practical and Licensed Vocational Nurses
	19-1000			Life Scientists
			19-1099	Life Scientists, All Other
19-0000				Life, Physical, and Social Science Occupations
	19-4000			Life, Physical, and Social Science Technicians
			19-4099	Life, Physical, and Social Science Technicians, All Other
			33-9092	Lifeguards and Other Recreational Protective Service Workers
			53-3033	Light Truck Drivers
			27-4015	Lighting Technicians
		49-9050		Line Installers and Repairers
			25-1054	Literacy Specialist
		43-4130		Loan Interviewers and Clerks
			43-4131	Loan Interviewers and Clerks
			13-2044	Loan Officers
			49-9094	Locksmiths and Safe Repairers
			53-4011	Locomotive Engineers
		53-4010		Locomotive Engineers and Operators
			13-1081	Logisticians / Planner
		13-1080		Logisticians and Project Management Specialists
M				
			53-7063	Machine Feeders
		51-4030		Machine Tool Cutting Setters, Operators, and Tenders, Metal and Plastic
		51-4040		Machinists
			51-4041	Machinists
			29-2034	Magnetic Resonance Imaging Technologists
			37-2012	Maids and Housekeeping Cleaners
		43-9050		Mail Clerks and Mail Machine Operators, Except Postal Service
			43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service
		49-9070		Maintenance and Repair Workers, General

			49-9071	Maintenance and Repair Workers, General
			49-9043	Maintenance Workers, Machinery
			39-3093	Make up artist Dressing Room Attendants
			39-5091	Makeup Artists, Theatrical and Performance
		13-1110		Management Analysts
			13-1111	Management Analysts
			13-1112	Management Consultant
11-0000				Management Occupations
			11-9199	Managers, All Other
			39-5092	Manicurists and Pedicurists
			49-9095	Manufactured Building and Mobile Home Installers
			19-1024	Marine Biologists
		17-2120		Marine Engineers and Naval Architects
			17-2121	Marine Engineers and Naval Architects
			13-1161	Market Research Analysts
		13-1160		Market Research Analysts and Marketing Specialists
		11-2020		Marketing and Sales Managers
			11-2021	Marketing Managers
			13-1162	Marketing Specialists
	41-4000			Marketing, Promotion and Sales Representatives, Wholesale and Manufacturing
41-0000				Marketing, Promotion, Sales and Related Occupations
			21-1013	Marriage and Family Therapists
			29-2092	Massage Therapist
		31-9010		Massage Therapists
			31-9011	Massage Therapists
	53-7000			Material Moving Workers
			53-7199	Material Moving Workers, All Other
	43-5000			Material Recording, Scheduling, Dispatching, and Distributing Workers
		17-2130		Materials Engineers
			17-2131	Materials Engineers

	15-2000			Mathematical Science Occupations
			15-2099	Mathematical Science Occupations, All other related associate professionals
		15-2020		Mathematicians
			15-2021	Mathematicians
			51-3022	Meat, Poultry, and Fish Cutters and Trimmers
			49-9011	Mechanical Door Repairers
			17-3013	Mechanical Drafters
			17-3027	Mechanical Engineering Technologists and Technicians
		17-2140		Mechanical Engineers
			17-2141	Mechanical Engineers
	27-4000			Media and Communication Equipment Workers
			27-4099	Media and Communication Equipment Workers, All Other
	27-3000			Media and Communication Workers
			27-3099	Media and Communication Workers, All Other
			29-2012	Medical and Clinical Laboratory Technicians
			29-2011	Medical and Clinical Laboratory Technologists
		11-9110		Medical and Health Services Managers
			11-9111	Medical and Health Services Managers
			51-9082	Medical Appliance Technicians
			31-9092	Medical Assistants
			31-9093	Medical Equipment Preparers
			49-9062	Medical Equipment Repairers
		29-2070		Medical Records Specialists
			29-2072	Medical Records Specialists
		19-1040		Medical Scientists
			19-1042	Medical Scientists, Except Epidemiologists
			43-6013	Medical Secretaries and Administrative Assistants
			31-9094	Medical Transcriptionists
		13-1120		Meeting, Convention, and Event Planners
			13-1121	Meeting, Convention, and Event Planners

			21-1023	Mental Health and Substance Abuse Social Workers
			21-1014	Mental Health Counselors
			27-1026	Merchandise Displayers and Window Trimmers
49-0000				Metal fabrication, Industrial Systems, Installation, Maintenance, Repair, Service and Related Trade Occupations
		51-4050		Metal Furnace Operators, Tenders, Pourers, and Casters
	51-4000			Metal Workers and Plastic Workers
			51-4199	Metal Workers and Plastic Workers, All Other
			51-4051	Metal-Refining Furnace Operators and Tenders
		43-5040		Meter Readers, Utilities
			43-5041	Meter Readers, Utilities
			19-1022	Microbiologists
		55-1010		Military Officer Special and Tactical Operations Leaders
			55-1019	Military Officer Special and Tactical Operations Leaders, All Other
	55-1000			Military Officer Special, Coast Guard and Tactical Operations Leaders
55-0000				Military Specific Occupations
			51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic
			49-9044	Millwrights
		17-2150		Mining and Geological Engineers, Including Mining Safety Engineers
			17-2151	Mining and Geological Engineers, Including Mining Safety Engineers
			21-2011	Ministers and Clergy
			21-2011	Ministers and Clergy
		21-2010		Ministers, Clergy Elders and Priest
		21-2010		Ministers, Clergy, Elders and Priest

		45-2090		Miscellaneous Agricultural Workers
		51-2090		Miscellaneous Assemblers and Fabricators
		13-1190		Miscellaneous Business Operations Specialists
		43-2090		Miscellaneous Communications Equipment Operators
		21-1090		Miscellaneous Community and Social Service Specialists
		15-1290		Miscellaneous Computer Occupations
		47-4090		Miscellaneous Construction and Related Workers
		25-3090		Miscellaneous Educational Instruction and Library Workers
		49-2090		Miscellaneous Electrical and Electronic Equipment Mechanics, Installers, and Repairers
		17-2190		Miscellaneous Engineers
		27-2090		Miscellaneous Entertainers and Performers, Sports and Related Workers
		39-3090		Miscellaneous Entertainment Attendants and Related Workers
		43-3090		Miscellaneous Financial Clerks
		13-2090		Miscellaneous Financial Specialists
		33-1090		Miscellaneous First-Line Supervisors, Protective Service Workers
		35-9090		Miscellaneous Food Preparation and Serving Related Workers
		51-3090		Miscellaneous Food Processing Workers
		29-9090		Miscellaneous Health Practitioners and Technical Workers
		29-2090		Miscellaneous Health Technologists and Technicians

		29-1290		Miscellaneous Healthcare Diagnosing or Treating Practitioners
		31-9090		Miscellaneous Healthcare Support Occupations
		43-4190		Miscellaneous Information and Record Clerks
		49-9090		Miscellaneous Installation, Maintenance, and Repair Workers
		23-2090		Miscellaneous Legal Support Workers
		19-1090		Miscellaneous Life Scientists
		19-4090		Miscellaneous Life, Physical, and Social Science Technicians
		11-9190		Miscellaneous Managers
		53-7190		Miscellaneous Material Moving Workers
		15-2090		Miscellaneous Mathematical Science Occupations
		27-4090		Miscellaneous Media and Communication Equipment Workers
		27-3090		Miscellaneous Media and Communication Workers
		51-4190		Miscellaneous Metal Workers and Plastic Workers
		53-3090		Miscellaneous Motor Vehicle Operators
		43-9190		Miscellaneous Office and Administrative Support Workers
		39-5090		Miscellaneous Personal Appearance Workers
		39-9090		Miscellaneous Personal Care and Service Workers
		19-2090		Miscellaneous Physical Scientists
		51-8090		Miscellaneous Plant and System Operators
		51-9190		Miscellaneous Production Workers
		33-9090		Miscellaneous Protective Service Workers
		53-4090		Miscellaneous Rail Transportation Workers

		21-2090		Miscellaneous Religious Workers
		21-2090		Miscellaneous Religious Workers
		41-9090		Miscellaneous Sales and Related Workers
		41-3090		Miscellaneous Sales Representatives, Services
		19-3090		Miscellaneous Social Scientists and Related Workers
		51-6090		Miscellaneous Textile, Apparel, and Furnishings Workers
		53-6090		Miscellaneous Transportation Workers
		49-3090		Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
		51-7090		Miscellaneous Woodworkers
			45-2097	Mixed Crop Growers
			51-9023	Mixing and Blending Machine Setters, Operators, and Tenders
			49-3042	Mobile Heavy Equipment Mechanics, Except Engines
		51-4060		Model Makers and Patternmakers, Metal and Plastic
		51-7030		Model Makers and Patternmakers, Wood
			51-4061	Model Makers, Metal and Plastic
			51-7031	Model Makers, Wood
			41-9012	Models
		41-9010		Models, Demonstrators, and Product Promoters
			51-4071	Mold and Coremakers
		51-4070		Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic
			51-9195	Molders, Shapers, and Casters, Except Metal and Plastic
			51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic

		39-4030		Morticians, Undertakers, and Funeral Arrangers
			39-4031	Morticians, Undertakers, and Funeral Arrangers
		39-3020		Motion Picture Projectionists
			39-3021	Motion Picture Projectionists
	53-3000			Motor Vehicle Operators
			53-3099	Motor Vehicle Operators, All Other
			49-3051	Motorboat Mechanics and Service Technicians
			53-5022	Motorboat Operators
			49-3052	Motorcycle Mechanics
		51-4080		Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
			51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
			25-2013	Museum Technicians and Conservators
			27-2041	Music Directors and Composers
			25-1072	Music Teachers
			49-9063	Musical Instrument Repairers and Tuners
			27-2042	Musicians and Singers
		27-2040		Musicians, Singers, and Related Workers
N				
		11-9120		Natural Sciences Managers
			11-9121	Natural Sciences Managers
			15-1244	Network and Computer Systems Administrators
			29-1217	Neurologists
		43-4140		New Accounts Clerks
			43-4141	New Accounts Clerks
		27-3020		News Analysts, Reporters and Journalists
			27-3023	News Analysts, Reporters, and Journalists
			25-1055	Numeracy Specialist
		29-1150		Nurse Anesthetists
			29-1151	Nurse Anesthetists
		29-1160		Nurse Midwives
			29-1161	Nurse Midwives

		29-1170		Nurse Practitioners
			29-1171	Nurse Practitioners
			31-1021	Nursing Assistants
		31-1020		Nursing Assistants, Orderlies, and Psychiatric Aides
O				
			29-1218	Obstetricians and Gynecologists
			19-5011	Occupational Health and Safety Specialists
	19-5000			Occupational Health and Safety Specialists and Technicians
		19-5010		Occupational Health and Safety Specialists and Technicians
			19-5012	Occupational Health and Safety Technicians
			29-1122	Occupational Therapists
			31-2012	Occupational Therapy Aides
	31-2000			Occupational Therapy and Physical Therapist Assistants and Aides
			31-2011	Occupational Therapy Assistants
		31-2010		Occupational Therapy Assistants and Aides
43-0000				Office and Administrative Support Occupations
			43-9199	Office and Administrative Support Workers, All Other
		43-9060		Office Clerks, General
			43-9061	Office Clerks, General
		43-9070		Office Machine Operators, Except Computer
			43-9071	Office Machine Operators, Except Computer
			47-2073	Operating Engineers and Other Construction Equipment Operators
	11-3000			Operations Specialties Managers
			51-9083	Ophthalmic Laboratory Technicians
			29-1241	Ophthalmologists, Except Pediatric

		29-2080		Opticians, Dispensing
			29-2081	Opticians, Dispensing
		29-1040		Optometrists
			29-1041	Optometrists
			29-1022	Oral Surgeons
		43-4150		Order Clerks
			43-4151	Order Clerks
			31-1022	Orderlies
			19-3032	Organizational Psychologists
			29-1023	Orthodontists
			29-1242	Orthopedic Surgeons, Except Pediatric
			19-1016	Other Agricultural, Fisheries, Food Scientist and Advisors
			47-5024	Other Building Frame and Related Trade Workers
	47-4000			Other Construction and Related Workers
	25-3000			Other Educational Instruction and Library Occupations
	35-9000			Other Food Preparation and Serving Related Workers
	31-9000			Other Healthcare Support Occupations
	49-9000			Other Installation, Maintenance, and Repair Occupations
				Other Legal Professionals
			23-1026	Other legal Professionals
	11-9000			Other Management Occupations
	43-9000			Other Office and Administrative Support Workers
	39-9000			Other Personal Care and Service Workers
	51-9000			Other Production Occupations
	33-9000			Other Protective Service Workers
	41-9000			Other Sales and Related Workers
		25-1070		Other Specialist
	53-6000			Other Transportation Workers

			49-3053	Outdoor Power Equipment and Other Small Engine Mechanics
P				
		51-9110		Packaging and Filling Machine Operators and Tenders
			51-9111	Packaging and Filling Machine Operators and Tenders
			53-7064	Packers and Packagers, Hand
		47-2130		Painters and Paperhangers
			47-2131	Painters, Construction and Maintenance
		51-9120		Painting Workers
			51-9123	Painting, Coating, and Decorating Workers
			51-9196	Paper Goods Machine Setters, Operators, and Tenders
			47-2132	Paperhangers
		23-2010		Paralegals and Legal Assistants
			23-2011	Paralegals and Legal Assistants
			29-2043	Paramedics
			41-2022	Parts Salespersons
		53-6060		Passenger Attendants
			53-6061	Passenger Attendants
		53-3050		Passenger Vehicle Drivers
			51-4062	Patternmakers, Metal and Plastic
			51-7032	Patternmakers, Wood
			47-2071	Paving, Surfacing, and Equipment Operators
		43-3050		Payroll and Timekeeping Clerks
			43-3051	Payroll and Timekeeping Clerks
			29-1243	Pediatric Surgeons
			29-1221	Pediatricians, General
			25-1074	Performing Arts Teachers
	39-5000			Personal Appearance Workers
			31-1012	Personal Care Aides
			39-9099	Personal Care and Service Workers, All Other
39-0000				Personal Care Service and related trade Occupations
			13-2052	Personal Financial Advisors
		11-9170		Personal Service Managers

			11-9179	Personal Service Managers, All Other
		37-2020		Pest Control Workers
			37-2021	Pest Control Workers
			37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation
		17-2170		Petroleum Engineers
			17-2171	Petroleum Engineers
			51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers
		29-1050		Pharmacists
			29-1051	Pharmacists
			31-9095	Pharmacy Aides
			29-2052	Pharmacy Technicians
			31-9097	Phlebotomists
		27-4020		Photographers
			27-4021	Photographers
		51-9150		Photographic Process Workers and Processing Machine Operators
			51-9151	Photographic Process Workers and Processing Machine Operators
	19-2000			Physical Scientists
			19-2099	Physical Scientists, All Other
			31-2022	Physical Therapist Aides
			31-2021	Physical Therapist Assistants
		31-2020		Physical Therapist Assistants and Aides
			29-1123	Physical Therapists
		29-1070		Physician Assistants
			29-1071	Physician Assistants
		29-1210		Physicians
			29-1229	Physicians, All Other
			29-1222	Physicians, Pathologists
		19-2010		Physicists
			19-2011	Physicists
			29-2091	Physiotherapy Technician
			47-2072	Pile Driver Operators
			47-2141	Pipe layers
		47-2140		Pipe layers, Plumbers, Pipefitters, & Steamfitters
			19-3095	Planners
	51-8000			Plant and System Operators

			51-8099	Plant and System Operators, All Other
		47-2150		Plasterers and Stucco Masons
			47-2151	Plasterers and Stucco Masons
			51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic
			47-2142	Plumbers, Pipefitters, and Steamfitters
		29-1080		Podiatrists
			29-1081	Podiatrists
		33-3050		Police Officers
			33-3051	Police Patrol Officers
			19-3094	Political Scientists
		11-9180		Port Operations Managers
			43-5051	Postal Service Clerks
			43-5052	Postal Service Mail Carriers
			43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators
		43-5050		Postal Service Workers
		11-9130		Postmasters
			11-9131	Postmasters
			51-4052	Pourers and Casters, Metal
			51-8011	Power Distributors and Dispatchers
			51-8012	Power Plant Operators
		51-8010		Power Plant Operators, Distributors, and Dispatchers
		49-9060		Precision Instrument and Equipment Repairers
			49-9069	Precision Instrument and Equipment Repairers, All Other
			51-5111	Prepress Technicians and Workers
		51-6020		Pressers, Textile, Garment, and Related Materials
			51-6021	Pressers, Textile, Garment, and Related Materials
			21-2012	Priest
			21-2012	Priest
		25-1040		Primary Education and Early Childhood Teachers
			25-1041	Primary Education Teachers
			51-5113	Print Binding and Finishing Workers

			51-5112	Printing Press Operators
	51-5100			Printing Workers
		51-5110		Printing Workers
		33-9020		Private Detectives and Investigators
			33-9021	Private Detectives and Investigators
			21-1092	Probation Officers and Correctional Treatment Specialists
		43-3060		Procurement Clerks
			43-3061	Procurement Clerks
			27-2012	Producers and Directors
			51-9199	Production Workers, All Other
51-0000				Production, Food Processing, Plant and manufacturing Occupations
		43-5060		Production, Planning, and Expediting Clerks
			43-5061	Production, Planning, and Expediting Clerks
			25-1011	Professors
		15-2050		Project Analyst
			15-2051	Project Analyst
			13-1082	Project Management Specialists
		43-9080		Proofreaders and Copy Markers
			43-9081	Proofreaders and Copy Markers
		13-2020		Property Appraisers and Assessors
		11-9140		Property, Real Estate, and Community Association Managers
			11-9141	Property, Real Estate, and Community Association Managers
			29-1024	Prosthodontists
			33-9099	Protective Service Workers, All Other
33-0000				Protective, Public Safety & Security Service Occupations
			31-1023	Psychiatric Aides
			29-2053	Psychiatric Technicians
			29-1223	Psychiatrists
		19-3030		Psychologists

			19-3039	Psychologists, All Other
		11-2030		Public Relations and Fundraising Managers
			11-2032	Public Relations Managers
		27-3030		Public Relations Specialists
			27-3031	Public Relations Specialists
			43-5031	Public Safety Telecommunicators
			53-6033	Public Transit Attendants
			53-7072	Pump Operators, Except Wellhead Pumpers
		53-7070		Pumping Station Operators
			13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products
		11-3060		Purchasing Managers
			11-3061	Purchasing Managers
Q				
				Quality Assurance Analyst
				Quality Assurance/Quality Control Manager
				Quality Control Inspector
				Quality Control Officer
				Quality Manager
				Quality Surveyor
				Quarry Worker
				Quarry Manager
				Quarry Supervisor
R				
			29-1124	Radiation Therapists
		49-2020		Radio and Telecommunications Equipment Installers and Repairers
			49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers
			29-2033	Radiologic Technologists and Technicians
			29-1224	Radiologists
			49-3043	Rail Car Repairers
	53-4000			Rail Transportation Workers
			53-4099	Rail Transportation Workers, All Other
			53-4013	Rail Yard Engineers

		47-4060		Rail-Track Laying and Maintenance Equipment Operators
			47-4061	Rail-Track Laying and Maintenance Equipment Operators
		53-4020		Railroad Brake, Signal, and Switch Operators
			53-4022	Railroad Brake, Signal, and Switch Operators
		53-4030		Railroad Conductors and Yardmasters
			53-4031	Railroad Conductors and Yardmasters
			21-2013	Rastafarian , Elders
			21-2013	Rastafarian , Elders
			41-9021	Real Estate Brokers
		41-9020		Real Estate Brokers and Sales Agents
			41-9022	Real Estate Sales Agents
		43-4170		Receptionists and Information Clerks
			43-4171	Receptionists and Information Clerks
		39-9030		Recreation and Fitness Workers
			39-9032	Recreation Workers
			29-1125	Recreational Therapists
			53-6035	Recreational vehicle attendants
			49-3092	Recreational Vehicle Service Technicians
			49-9045	Refractory Materials Repairers, Except Brick masons
			47-5012	Refrigeration technicians
		53-7080		Refuse and Recyclable Material Collectors
			53-7081	Refuse and Recyclable Material Collectors
		29-1140		Registered Nurses
			29-1141	Registered Nurses
			21-1015	Rehabilitation Counselors
		47-2160		Reinforcing Iron and Rebar Workers
			47-2161	Reinforcing Iron and Rebar Workers

	21-2000			Religious Workers
	21-2000			Religious Workers
			21-2099	Religious Workers, All Other
			21-2099	Religious Workers, All Other
		43-4180		Reservation and Transportation Ticket Agents and Travel Clerks
			43-4181	Reservation and Transportation Ticket Agents and Travel Clerks
		39-9040		Residential Advisors
			39-9041	Residential Advisors
			29-1126	Respiratory Therapists
	41-2000			Retail Sales Workers
		41-2030		Retail Salespersons
			41-2031	Retail Salespersons
			13-2083	Revenue Agents
			49-9096	Riggers
		51-2010		Rigging, and Systems Assemblers
			51-2011	Rigging, and Systems Assemblers
		47-5050		Rock Splitters, Quarry
			47-5051	Rock Splitters, Quarry
			51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
		47-2170		Roofers
			47-2171	Roofers
S				
			53-5011	Sailors and Marine Oilers
		53-5010		Sailors and Marine Oilers / Ratings
			41-9099	Sales and Related Workers, All Other
		41-9030		Sales Engineers
			41-9031	Sales Engineers
			11-2022	Sales Managers
			41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel
	41-3000			Sales Representatives, Services
		41-4010		Sales Representatives, Wholesale and Manufacturing

			41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products
			41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
			51-7041	Sawing Machine Setters, Operators, and Tenders, Wood
			47-5022	Scaffolder
			25-1053	School Inspector
			19-3034	School Psychologists
			11-9182	Sea Port Managers, All Other
		25-1030		Secondary Education Teachers
			25-1031	Secondary Education Teachers
	43-6000			Secretaries and Administrative Assistants
		43-6010		Secretaries and Administrative Assistants
			43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
		41-3030		Securities, Commodities, and Financial Services Sales Agents
			41-3031	Securities, Commodities, and Financial Services Sales Agents
			49-2098	Security and Fire Alarm Systems Installers
			33-9032	Security Guards
		33-9030		Security Guards and Gambling Surveillance Officers
			47-4091	Segmental Pavers
		51-9140		Semiconductor Processing Technicians
			51-9141	Semiconductor Processing Technicians
		11-1040		Senior Government Officials
			11-1041	Senior Government Officials
		11-1050		Senior Officials of Special Interest Organisations
			11-1051	Senior Officials of Special Interest Organisations
			51-9012	Separating, Filtering, Clarifying, Precipitating, and

				Still Machine Setters, Operators, and Tenders
		47-4070		Septic Tank Servicers and Sewer Pipe Cleaners
			47-4071	Septic Tank Servicers and Sewer Pipe Cleaners
			27-1027	Set and Exhibit Designers
			51-6051	Sewers, Hand
		51-6030		Sewing Machine Operators
			51-6031	Sewing Machine Operators
		47-2210		Sheet Metal Workers
			47-2211	Sheet Metal Workers
		53-5020		Ship and Boat Captains and Operators
		53-5030		Ship Engineers
			53-5031	Ship Engineers
		43-5070		Shipping, Receiving, and Inventory Clerks
			43-5071	Shipping, Receiving, and Inventory Clerks
		51-6040		Shoe and Leather Workers
			51-6041	Shoe and Leather Workers and Repairers
			51-6042	Shoe Machine Operators and Tenders
			53-3053	Shuttle Drivers and Chauffeurs
			49-9097	Signal and Track Switch Repairers
			39-5094	Skincare Specialists
			51-3023	Slaughterers and Meat Packers
		49-3050		Small Engine Mechanics
		11-9080		Small Hotel & Guest House Managers
			11-9081	Small Hotel & Guest House Managers
		11-9150		Social and Community Service Managers
			11-9151	Social and Community Service Managers
			21-1093	Social and Human Service Assistants
		19-4060		Social Science Research Assistants
			19-4061	Social Science Research Assistants

	19-3000			Social Scientists and Related Workers
			19-3099	Social Scientists and Related Workers, All Other
		21-1020		Social Workers
			21-1029	Social Workers, All Other
		19-3040		Sociologists
			19-3041	Sociologists
		15-1250		Software and Web Developers, Programmers, and Testers
			15-1252	Software Developers
			15-1253	Software Quality Assurance Analysts and Testers
			19-1013	Soil and Plant Scientists
		47-2230		Solar Photovoltaic Installers
			47-2231	Solar Photovoltaic Installers
			27-4014	Sound Engineering Technicians
			27-1014	Special Effects Artists and Animators
			55-1017	Special Forces Officers
		25-1060		Special Needs Teachers
			29-1127	Speech-Language Pathologists
		51-8020		Stationary Engineers and Boiler Operators
			51-8021	Stationary Engineers and Boiler Operators
			43-9111	Statistical Assistants
		43-9110		Statistical Assistants and Documentation Specialist
		15-2040		Statisticians
			15-2041	Statisticians
			53-7065	Stockers and Order Fillers
			47-2022	Stone-masons
		47-2220		Structural Iron and Steel Workers
			47-2221	Structural Iron and Steel Workers
		51-2040		Structural Metal Fabricators and Fitters
			51-2041	Structural Metal Fabricators and Fitters
			21-1011	Substance Abuse and Behavioral Disorder Counselors

				Superintendent of Correctional Services
				Superintendent of Police
				Superintendent , Fire Services
	45-1000			Supervisors of Agriculture, Agri-Business, Fishing, Environment Management and Landscaping Workers
	37-1000			Supervisors of Building and Grounds Cleaning and Property Maintenance Workers
	47-1000			Supervisors of Construction and Building Systems Workers
	35-1000			Supervisors of Food Preparation and Serving Workers
		35-1010		Supervisors of Food Preparation and Serving Workers
	49-1000			Supervisors of Installation, Maintenance, and Repair Workers
	43-1000			Supervisors of Office and Administrative Support Workers
	39-1000			Supervisors of Personal Care and Service Workers
	51-1000			Supervisors of Production Workers
	33-1000			Supervisors of Protective Service Workers
	41-1000			Supervisors of Sales Workers
	53-1000			Supervisors of Transportation and Material Moving Workers
		29-1240		Surgeons
			29-1249	Surgeons, All Other
			29-9092	Surgical Assistants
			29-2055	Surgical Technologists
		19-3020		Survey Researchers
			19-3022	Survey Researchers
		17-3030		Surveying and Mapping Technicians
			17-3031	Surveying and Mapping Technicians
			17-1022	Surveyors

		17-1020		Surveyors, Cartographers, and Photogrammetrists
		43-2010		Switchboard Operators, Including Answering Service
			43-2011	Switchboard Operators, Including Answering Service
T				
			51-6052	Tailors, Dressmakers, and Custom Sewers
		51-6050		Tailors, Dressmakers, and Sewers
		43-5110		Tallying, Weighers, Measurers, Checkers, and Samplers, Recordkeeping
			43-5111	Tallying, Weighers, Measurers, Checkers, and Samplers, Recordkeeping
		53-7120		Tank Car, Truck, and Ship Loaders / Stevedores
			53-7121	Tank Car, Truck, and Ship Loaders / Stevedores
			13-2081	Tax Examiners and Collectors
		13-2080		Tax Examiners, Collectors and Preparers, and Revenue Agents
			13-2082	Tax Preparers
			53-3054	Taxi Drivers
			25-1062	Teacher Learning impaired
			25-1063	Teacher Special Needs
			25-1061	Teacher Visually Impaired
			25-1032	Teaching Assistants
		25-3040		Teaching Assistants
			25-3044	Teaching Assistants Special Projects
			25-3049	Teaching Assistants, All Other
			25-3042	Teaching Assistants, Preschool and Elementary, School, Except Special Education
			25-3043	Teaching Assistants, Special Education
			51-2092	Team Assemblers
		25-1020		Technical Vocational Education Teachers
			25-1021	Technical Vocational Education Teachers
			27-3042	Technical Writers

			49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers
			49-9052	Telecommunications Line Installers and Repairers
		41-9040		Telemarketers
			41-9041	Telemarketers
		43-2020		Telephone Operators
			43-2021	Telephone Operators
		27-4030		Television, Video, and Film Camera Operators and Editors
		43-3070		Tellers
			43-3071	Tellers
			47-2053	Terrazzo Workers and Finishers
			51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders
			51-6062	Textile Cutting Machine Setters, Operators, and Tenders
			51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders
		51-6060		Textile Machine Setters, Operators, and Tenders
			51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders
	51-6000			Textile, Apparel, and Furnishings Workers
			51-6099	Textile, Apparel, and Furnishings Workers, All Other
		29-1120		Therapists
			29-1129	Therapists, All Other
			47-2044	Tile and Stone Setters
			47-2054	Tillers and Finishers
		51-2060		Timing Device Assemblers and Adjusters
			51-2061	Timing Device Assemblers and Adjusters
			51-9197	Tire Builders
			49-3093	Tire Repairers and Changers
			23-2093	Title Examiners, Abstractors, and Searchers
		51-4110		Tool and Die Makers

			51-4111	Tool and Die Makers
			51-4194	Tool Grinders, Filers, and Sharpeners
	11-1000			Top Executives
	39-7000			Tour and Travel Guides
		39-7010		Tour and Travel Guides
			39-7011	Tour Guides and Escorts
			33-3052	Traffic Police Officers
		53-6040		Traffic Technicians
			53-6041	Traffic Technicians
		33-3040		Traffic Wardens
			33-3041	Traffic Wardens
			25-1022	Trainers
		11-3130		Training and Development Managers
			11-3131	Training and Development Managers
			13-1151	Training and Development Officers
		13-1150		Training and Staff Development Officers
			13-1077	Training Coordinator
53-0000				Transportation and Material Moving Occupations
		53-6050		Transportation Inspectors
			53-6051	Transportation Inspectors
		53-6030		Transportation Service Attendants
			53-6099	Transportation Workers, All Other
		11-3070		Transportation, Storage, and Distribution Managers
			11-3071	Transportation, Storage, and Distribution Managers
		41-3040		Travel Agents
			41-3041	Travel Agents
			39-7012	Travel Guides
			45-2095	Tree and Shrub Growers
			37-3013	Tree Trimmers and Pruners
U				
			27-2023	Umpires, Referees, and Other Sports Officials
		25-1010		University and Higher Education Educators
			25-1014	University Tutor
			51-6093	Upholsterers

		39-3030		Ushers, Lobby Attendants, and Ticket Takers
			39-3031	Ushers, Lobby Attendants, and Ticket Takers
V				
	49-3000			Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
			47-5013	Ventilation installers
			55-1012	Vessel Launch, Maintenance and Recovery Officers
		29-1130		Veterinarians
			29-1131	Veterinarians
			31-9096	Veterinary Assistants and Laboratory Animal Caretakers
			29-2056	Veterinary Technologists, Technicians and Assistants
			25-1073	Visual Arts Teachers
W – Z				
		35-3030		Waiters and Waitresses
			35-3031	Waiters and Waitresses
			45-4013	Wardens, All Other
			19-1033	Waste Management Specialist
			49-9064	Watch and Clock Repairers
		51-8030		Water and Wastewater Treatment Plant and System Operators
			51-8031	Water and Wastewater Treatment Plant and System Operators
	53-5000			Water Transportation Workers
			15-1255	Web and Digital Interface Designers
			15-1254	Web Developers
			51-4121	Welders, Cutters, Solderers, and Brazers
			51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
		51-4120		Welding, Soldering, and Brazing Workers
			53-7073	Wellhead Pumpers
			13-1022	Wholesale and Retail Buyers, Except Farm Products

		49-9080		Wind Turbine Service Technicians
			49-9081	Wind Turbine Service Technicians
	51-7000			Woodworkers
			51-7099	Woodworkers, All Other
		51-7040		Woodworking Machine Setters, Operators, and Tenders
			51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing
			43-9022	Word Processors and Typists
			27-3043	Writers and Authors
		27-3040		Writers and Editors
			19-1023	Zoologists and Biologists

Draft – Field Test Purpose Only

ⁱ Terms of Reference to Design, Develop and Deliver a National Occupational Classification System for St. Kitts and Nevis