

**BENCHMARK OCCUPATIONS COVERED BY 2018 OWS
IN ALL AGRICULTURAL AND NON-AGRICULTURAL INDUSTRIES**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 4311 | Accounting and Bookeeping Clerks | Compute, classify and record numerical data to keep financial records complete. They perform any combination of routine calculating, posting and verifying duties to obtain primary financial data for use in maintaining accounting records. |
| 9400* | Unskilled Workers except Janitors, Messengers and Freight Handlers | Perform a variety of low-skilled and routine manual tasks, requiring a minimum of training, little or no previous experience and mainly physical effort. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN CROP AND ANIMAL PRODUCTION, HUNTING AND RELATED SERVICE ACTIVITIES; FORESTRY AND LOGGING (A01/A02)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|------------------|-----------------------------------|--|
| 1318* | Farm/Plantation Supervisors | Supervise operations in connection with growing, harvesting and marketing of agricultural produce, and maintenance of machinery, implements and equipment, under the direction of the farm/plantation manager. |
| 1319* | Forest Supervisors | Directly supervise and co-ordinate tree cultivation, conservation and harvesting operations and enforce safety and preservation regulations in forest. |
| 611 | Market Gardeners and Crop Growers | Plan, organize and perform operations to grow and harvest field crops, to grow fruit and other tree and shrub crops, to grow garden vegetables and medicinal and other plants, and to produce horticultural and horticultural nurseries products, for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets. |
| 621 | Forestry and Related Workers | Plan, organize and perform operations to cultivate, conserve and exploit natural and plantation forests. |
| 6212 | Concessionaires And Loggers | Plan and manage the necessary operations to log trees for sale or delivery of forest products to wholesale buyers, marketing organizations or at markets at a sustainable basis. Their tasks include: marking merchantable trees to be felled and estimating volume of timber; marking trees to be cut; trimming, topping and felling trees and sawing them into logs; scaling and rescaling of felled trees; cutting trees into logs; cutting logs into timber; loading and unloading out timbers, other semi-finished or finished forest products; replanting and replacing cut trees; processing logs into timber, plywood, veneer, pulp or paper and other forest products; and establishing and maintaining processing plants |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN FISHING AND
AQUACULTURE (A03)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|--------------|---|---|
| 622 | Fishery Workers, Hunters and Trappers | Breed and raise fish, harvest and catch fish and hunt and trap animals, for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets. Tasks usually include: breeding, raising and cultivating fish, mussels, oysters and other forms of aquatic life |
| 6226 | Inland and Coastal Waters Fishery Workers | Catch fish or gather other forms of aquatic life in inland or coastal waters, for sale or delivery on a regular basis to wholesale buyers, marketing organizations or at markets. |
| 6227 | Deep-Sea Fishery Workers | Catch deep-sea fish, for sale or delivery to wholesale buyers, marketing organizations or at markets. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MINING OF COAL AND LIGNITE; EXTRACTION OF CRUDE PETROLEUM AND NATURAL GAS; AND OTHER MINING AND QUARRYING (B05/B06/B08)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|------------------|---|---|
| 3121 | Mining Supervisors | Oversee mining and quarrying operations and directly supervise and coordinate the activities of miners working in underground and surface mines and quarries. |
| 2114 | Geologists | Conduct research; improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to geology and geophysics in such fields as oil, gas and mineral exploration and extraction, water conservation, civil engineering, telecommunications and navigation |
| 2146 | Mining Engineers, Metallurgists and Related Professionals | Conduct research on and design and develop and maintain commercial-scale methods of extracting metals from their ores, or minerals, water, oil or gas from the earth and of developing new alloys, ceramic and other materials, or study and advise on mining or metallurgical aspects of particular materials, products or processes. |
| 3117 | Mining and Metallurgical Technicians | Perform technical tasks to assist in research and experiments related to metallurgy, in improving methods of extracting solid minerals, oil and gas, and in the design, construction, operation, maintenance and repair of mines and mine installations, of systems for transporting and storing oil and natural gas, and for extraction of metals from ores. |
| 8111 | Miners and Quarriers | Operate plant, machinery and hand tools to extract rock, minerals and non-metallic deposits from underground and surface mines and quarries. |
| 8112 | Mineral and Stone Processing Plant Operators | Operate and monitor machinery and equipment for processing rocks, minerals and stone to recover refined products for immediate use or further processing. |
| 8113 | Well Drillers and Borers And Related Workers | Assemble and operate drilling machinery and related equipment to sink wells, extract ore, liquids and gases or for a variety of other purposes. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MINING OF METAL ORES (B07)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|---|
| 3121 | Mining Supervisors | Oversee mining and quarrying operations and directly supervise and coordinate the activities of miners working in underground and surface mines and quarries. |
| 2114 | Geologists | Conduct research; improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to geology and geophysics in such fields as oil, gas and mineral exploration and extraction, water conservation, civil engineering, telecommunications and navigation. |
| 2146 | Mining Engineers, Metallurgists and Related Professionals | Conduct research on and design and develop and maintain commercial-scale methods of extracting metals from their ores, or minerals, water, oil or gas from the earth and of developing new alloys, ceramic and other materials, or study and advise on mining or metallurgical aspects of particular materials, products or processes. |
| 3117 | Mining and Metallurgical Technicians | Perform technical tasks to assist in research and experiments related to metallurgy, in improving methods of extracting solid minerals, oil and gas, and in the design, construction, operation, maintenance and repair of mines and mine installations, of systems for transporting and storing oil and natural gas, and for extraction of metals from ores. |
| 8111 | Miners and Quarriers | Operate plant, machinery and hand tools to extract rock, minerals and non-metallic deposits from underground and surface mines and quarries. |
| 7542 | Shotfirers and Blasters | Position, assemble, and detonate explosives at mining, quarrying and demolition sites. |
| 8112 | Mineral and Stone Processing Plant Operators | Operate and monitor machinery and equipment for processing rocks, minerals and stone to recover refined products for immediate use or further processing. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE
OF FOOD PRODUCTS AND BEVERAGES (C10/C11)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2145 | Chemical Engineers (<i>Food technologists</i>) | Conduct research and develop, advise on and direct commercial-scale chemical processes and production of various substances and items such as crude oil, petroleum derivatives, <u>food and drink products</u> , medicines, or synthetic materials. |
| 3116 | Chemical Engineering Technicians | Perform technical tasks to aid in chemical engineering research, and in the design, manufacture, construction, operation, maintenance and repair of chemical plant. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 751 | Food Processing and Related Trades Workers | Slaughter animals, treat and prepare them and related food items for human and animal consumptions, make various kinds of bread, cakes and other flour products, process and preserve fruit, vegetables and related foods, taste and grade various food products and beverages, or prepare tobacco and make tobacco products. |
| 8160 | Food and Related Products Machine Operators | Set, operate and attend machinery used to slaughter animals, trim meat from carcasses; bake, freeze, heat, crush, mix, blend and otherwise process foodstuffs, beverages and tobacco leaves. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF TEXTILES (C13)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|-----------|---|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 7318 | Handicraft Workers in Textile, Leather and Related Materials | Spinning and winding yarn by hand; drawing warp threads into loom by hand; grading and classifying natural textile fibers; washing wool fibers; cleaning and fluffing textile fibers; and forming fibers into sliver, combing them, combining sliver into sliver laps or forming sliver into rove. |
| 8151 | Fibre Preparing, Spinning and Winding Machine Operators | Operate and monitor machines which prepare fibers, and spin, double, twist and wind yarn and thread from natural textile fibers. They twist two or more strands of yarn to prepare single stronger, smoother, uniform and heavier strands and treat textiles to make them stiff and water resistant. |
| 8152 | Weaving and Knitting Machine Operators | Set up, operate and monitor weaving and knitting machines which process yarn or thread into woven, non-woven and knitted products such as cloth, lace, carpets, rope, industrial fabric, hosiery and knitted garments or to quilt and embroider fabric. |
| 8154 | Bleaching, Dyeing and Fabric Cleaning Machine Operators | Operate and monitor machines that bleach, shrink, dye, and otherwise treat fibers, yarn or cloth. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE
OF WEARING APPAREL (C14)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7531 | Tailors, Dressmakers, Furriers and Hatters | Fabricate, fit, alter and repair tailored or hand-made clothing; They produce made-to-measure clothing such as suits, overcoats, and dresses from textile fabrics, light leather, fur and other material, or make hats or wigs according to customer's and clothing manufacturer's specifications. |
| 7532 | Garment and Related Patternmakers and Cutters | Create precision master patterns for production of garments, other textile, and leather or fur products. They mark, cut, shape and trim textile, light leather and other materials according to blueprints or specifications in the manufacture of garments, hats and caps, gloves and miscellaneous products. |
| 7533 | Sewing, Embroidery and Related Workers | Sew together, repair, renovate and decorate garments, gloves and other products of textile, fur, light leather and other materials and fabricate tents sails, awnings and tarpaulins. They work mainly by hand using a needle and thread but may perform some tasks using a sewing machine. |
| 8153 | Sewing Machine Operators | Operate and monitor sewing machines to make, repair, darn and renovate textile, fur, synthetic or leather garments or embroider ornamental designs on garments or other materials. They operate button hole making and eyelet holing machines to cut holes, stitch around holes, stitch buttons and fix eyelets to garments. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF
LEATHER AND RELATED PRODUCTS (C15)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|--------------|--|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7535 | Pelt Dressers, Tanners and Fellmongers | Trim, scrape, clean, tan, buff and dye animal hides, pelts or skins to produce leather stock and finished furs for making garments and other products. |
| 7536 | Shoemakers and Related Workers | Make, modify and repair standard, custom or orthopaedic footwear and natural or synthetic leather articles, such as luggage, handbags and belts, (except for leather garments, hats and gloves), or participate in the manufacture of shoes and related goods. |
| 8155 | Fur and Leather Preparing Machine Operators | Operate and monitor various machines that prepare leather or treat fur or wool-bearing pelts. |
| 8156 | Shoemaking and Related Machine Operators | Operate and monitor machines which produce and repair standard or special footwear, handbags and other accessories, mainly made of leather. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE
OF PRODUCTS OF WOOD, CORK, STRAW AND PLAITING MATERIALS
(C162)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7521 | Wood Treaters | Operate and tend wood treatment processing equipment and machines to remove bark from logs, produce wood chips, season, preserve and treat wood, and produce waferboards, particleboards, hardboards, insulation boards, plywood, veneers and similar wood products. |
| 7523 | Woodworking Machine Tool Setters and Operators | Set-up or operate and monitor automatic or semi-automatic woodworking machines, such as precision sawing, shaping, planning, boring, turning and woodcarving machines to fabricate or repair wooden parts for furniture, fixtures and other wooden products. |
| 8172 | Wood Processing Plant Operators | Monitor, operate, and control automated lumber mill equipment for sawing timber logs into rough lumber, cutting veneer, making plywood and particle board, and otherwise preparing wood for further use. |
| 8219 | Assemblers Not Elsewhere Classified (<i>Wood products assemblers</i>) | Assemble, according to strictly laid down procedures various products that do not include electronic, electrical, or mechanical components. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE
OF PAPER AND PAPER PRODUCTS (C17)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2144 | Mechanical Engineers | Conduct research; advise on, design, and direct production of machines, aircraft, ships, machinery and industrial plant, equipment and systems; advise on and direct their functioning, maintenance and repairs. |
| 3115 | Mechanical Engineering Technicians | Perform technical tasks to aid in mechanical engineering research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of machines, components and mechanical equipment. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 8171 | Pulp and Papermaking Plant Operators | Operate and monitor multi-function process control machinery and processing equipment to control the processing of wood, scrap pulp and other cellulose materials in the production of pulp. |
| 8219 | Assemblers Not Elsewhere Classified (<i>Paperboard products assemblers</i>) | Assemble, according to strictly laid down procedures various products that do not include electronic, electrical, or mechanical components. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN PRINTING AND REPRODUCTION OF RECORDED MEDIA (C18)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2144 | Mechanical Engineers | Conduct research; advise on, design, and direct production of machines, aircraft, ships, machinery and industrial plant, equipment and systems; advise on and direct their functioning, maintenance and repairs. |
| 4413 | Coding, Proof-Reading and Related Clerks | Convert information into codes; verify and correct proofs; and perform a number of miscellaneous clerical duties. |
| 7321 | Pre-Press Technicians (<i>Examples: Compositors, Typesetters, Stereotypers, Electrotypers</i>) | Proof, format, set and compose text and graphics into a form suitable for use in various printing processes and representation in other visual media. Operating plate making equipment to reproduce images from film to printing plates, digital output devices and presses; |
| 7316 | Sign Writers, Decorative Painters, Engravers and Etchers | Decorate articles made of wood, metal, textiles, glass, ceramics and other materials. They plan, lay out and paint letters, figures, monograms and designs to make signs and engrave and etch ornamental and floral designs on glass and other articles. |
| 7323 | Print Finishing and Binding Workers | Bind books and other publications, and finish printed products by hand or machine. |
| 7322 | Printers | Set up and operate digital, letterpress, lithographic, flexographic, gravure, newspaper and other printing presses. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE
OF COKE AND REFINED PETROLEUM PRODUCTS (C19)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2145 | Chemical Engineers | Conduct research and develop, advise on and direct commercial-scale chemical processes and production of various substances and items such as crude oil, petroleum derivatives, food and drink products, medicines, or synthetic materials. They direct maintenance and repair of chemical plant and equipment and study and advise on chemical aspects of particular materials, products or processes. |
| 3116 | Chemical Engineering Technicians | Perform technical tasks to aid in chemical engineering research, and in the design, manufacture, construction, operation, maintenance and repair of chemical plant. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7233 | Industrial Machinery Mechanics and Repairers | Install, examine, service and repair engines, agricultural and industrial machinery and mechanical equipment, except motor vehicle, aircraft and electric motors. |
| 3133 | Chemical Processing Plant Controllers | Operate and monitor chemical plants and adjust and maintain, processing units and equipment which distil, filter, separate, heat or refine chemicals. |
| 3134 | Petroleum and Natural Gas Refining Plant Operators | Operate and monitor plants and adjust and maintain processing units and equipment which refine, distil and treat petroleum, petroleum-based products and by-products, or natural gas. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS (C20)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---------------------------------------|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2145 | Chemical Engineers | Conduct research and develop, advise on and direct commercial-scale chemical processes and production of various substances and items such as crude oil, petroleum derivatives, food and drink products, medicines, or synthetic materials. They direct maintenance and repair of chemical plant and equipment and study and advise on chemical aspects of particular materials, products or processes. |
| 3116 | Chemical Engineering Technicians | Perform technical tasks to aid in chemical engineering research, and in the design, manufacture, construction, operation, maintenance and repair of chemical plant. |
| 3133 | Chemical Processing Plant Controllers | Operate and monitor chemical plants and adjust and maintain, processing units and equipment which distil, filter, separate, heat or refine chemicals. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF BASIC PHARMACEUTICAL PRODUCTS AND PHARMACEUTICAL PREPARATION (C21)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|------------------|---|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2113 | Chemists | Conduct research, improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to chemistry, to develop new knowledge or products and for quality and process control. |
| 2145 | Chemical Engineers | Conduct research and develop, advise on and direct commercial-scale chemical processes and production of various substances and items such as crude oil, petroleum derivatives, food and drink products, medicines, or synthetic materials. They direct maintenance and repair of chemical plant and equipment and study and advise on chemical aspects of particular materials, products or processes. |
| 3116 | Chemical Engineering Technicians | Perform technical tasks to aid in chemical engineering research, and in the design, manufacture, construction, operation, maintenance and repair of chemical plant. |
| 8131 | Chemical Products Plant and Machine Operators | Monitor and operate units and machinery to blend, mix, process and package a wide range of chemical products. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF RUBBER PRODUCTS (C221)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|--------------|--|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2144 | Mechanical Engineers | Conduct research; advise on, design, and direct production of machines, aircraft, ships, machinery and industrial plant, equipment and systems; advise on and direct their functioning, maintenance and repair; or study and advise on mechanical aspects of particular materials, products or processes. |
| 2145 | Chemical Engineers | Conduct research and develop, advise on and direct commercial-scale chemical processes and production of various substances and items such as crude oil, petroleum derivatives, food and drink products, medicines, or synthetic materials. They direct maintenance and repair of chemical plant and equipment and study and advise on chemical aspects of particular materials, products or processes. |
| 3116 | Chemical Engineering Technicians | Perform technical tasks to aid in chemical engineering research, and in the design, manufacture, construction, operation, maintenance and repair of chemical plant. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 8141 | Rubber Products Machine Operators | Operate and monitor machines which knead and blend rubber and rubber compounds, and produce various components and products from natural and synthetic rubber, such as molded footwear, domestic articles, insulating materials, industrial accessories, or tires. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE
OF PLASTIC PRODUCTS (C222)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2144 | Mechanical Engineers | Conduct research; advise on, design, and direct production of machines, aircraft, ships, machinery and industrial plant, equipment and systems; advise on and direct their functioning, maintenance and repair; or study and advise on mechanical aspects of particular materials, products or processes. |
| 2145 | Chemical Engineers | Conduct research and develop, advise on and direct commercial-scale chemical processes and production of various substances and items such as crude oil, petroleum derivatives, food and drink products, medicines, or synthetic materials. |
| 3116 | Chemical Engineering Technicians | Perform technical tasks to aid in chemical engineering research, and in the design, manufacture, construction, operation, maintenance and repair of chemical plant. |
| 3257 | Environmental and Occupational Health Inspectors and Associates <i>(Quality assurance/control inspectors)</i> | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 8142 | Plastic Products Machine Operators | Operate and monitor machines which knead and blend compounds to obtain plastic materials and which make various plastic components and articles. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF OTHER NON-METALLIC MINERAL PRODUCTS (C23)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|------------------|---|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2144 | Mechanical Engineers | Conduct research; advise on, design, and direct production of machines, aircraft, ships, machinery and industrial plant, equipment and systems; advise on and direct their functioning, maintenance and repair; or study and advise on mechanical aspects of particular materials, products or processes. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7314 | Potters and Related Workers | Prepare pottery, porcelain ware, sanitary ware, bricks, tiles and abrasive wheels by hand or by machine. |
| 7315 | Glass makers, cutters, grinders and finishers | Glass makers, cutters, grinders and finishers blow, mold, press, cut, trim, grind and polish glass, shape molten glass according to patterns. |
| 8181 | Glass And Ceramics Plant Operators | Operate and monitor kilns, furnaces and other machinery and equipment used in the manufacture of glass, ceramics, porcelain, tiles or bricks. |
| 8114 | Cement, Stone And Other Mineral Products Machine Operators | Operate and monitor machines for manufacturing and finishing precast concrete, bitumen, and stone products, and making cast stone for building purposes. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE
OF BASIC METALS (C24)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|----------------------------------|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 7211 | Metal Molders and Core Makers | Make molds and cores for casting metal. |
| 7213 | Sheet Metal Workers | Make, install and repair articles and parts of articles made out of sheet metal such as sheet steel, copper, tin, brass, aluminum, zinc or galvanised iron. |
| 8121 | Metal Processing Plant Operators | Operate, monitor, adjust and maintain, single process machinery and equipment to process and convert mineral ores and refine, harden, roll and extrude metals. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE
OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY AND
EQUIPMENT (C25)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 3257 | Environmental and Occupational Health Inspectors and Associates <i>(Quality assurance/control inspectors)</i> | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 7212 | Welders and Flame Cutters | Weld and cut metal parts using gas flame, electric arc and other sources of heat to melt and cut, or to melt and fuse metal. |
| 7214 | Structural Metal Preparers and Erectors | Assemble, erect and dismantle structural metal frames of buildings and other structures. |
| 7221 | Blacksmiths, Hammersmiths and Forging Press Workers | Hammer and forge bars, rods, ingots and plates of iron, steel or other metals, and draw wire to make and repair various kinds of tools, metal articles, pieces of equipment, and agricultural and related implements. |
| 7223 | Metal Working Machine Tool Setters and Operators | Set and/or operate, various machine tools working to fine tolerances. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF COMPUTER, ELECTRONIC AND OPTICAL PRODUCTS (C26)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|------------------|---|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2152 | Electronics Engineers | Conduct research on, design, and direct the construction functioning, maintenance and repair of electronic systems and study and advise on technological aspects of electronic engineering materials, products or processes. |
| 3114 | Electronics Engineering Technicians | Perform technical tasks to aid in electronic research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of electronic equipment. |
| 3257 | Environmental and Occupational Health Inspectors and Associates <i>(Quality assurance/control inspectors)</i> | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7422 | Information and Communications Technology Installers And Servicers <i>(Electronics/computer equipment fitters)</i> | Install, repair and maintain telecommunications equipment, data transmission equipment, cables, antennae and conduits and repair, fit and maintain computers. Task include fitting and adjusting computer hardware. |
| 8212 | Electrical and Electronic Equipment Assemblers | Assemble or modify, according to strictly laid down procedures, components of electrical, electro-mechanical and electronic equipment. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF ELECTRICAL EQUIPMENT (C27)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|-----------|---|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2151 | Electrical Engineers | Conduct research and advise on, design, and direct the construction and operation of electrical systems, components, motors and equipment, and advise on and direct their functioning, maintenance and repair, or study and advise on technological aspects of electrical engineering materials, products and processes. |
| 3113 | Electrical Engineering Technicians | Perform technical tasks to aid in electrical engineering research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of electrical equipment, facilities and distribution systems. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7412 | Electrical Mechanics And Fitters | Fit, adjust, install and repair electrical machinery and other electrical apparatus and equipment in buildings, factories, workshops, or other places. |
| 8212 | Electrical and Electronic Equipment Assemblers | Assemble or modify, according to strictly laid down procedures, components of electrical, electro-mechanical and electronic equipment. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF MACHINERY AND EQUIPMENT, N.E.C. (C28)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|--------------|--|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2144 | Mechanical Engineers | Conduct research; advise on, design, and direct production of machines, aircraft, ships, machinery and industrial plant, equipment and systems; advise on and direct their functioning, maintenance and repair; or study and advise on mechanical aspects of particular materials, products or processes. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7212 | Welders and Flame Cutters | Weld and cut metal parts using gas flame, electric arc and other sources of heat to melt and cut, or to melt and fuse metal. |
| 7222 | Toolmakers and Related Workers | Make and repair custom made and specialized tools, sports guns, locks, dies, patterns machinery components and other metal articles using hand and machine tools to work metal to fine tolerances. |
| 7233 | Industrial Machinery Mechanics and Repairers | Fit, install, examine, service and repair engines, agricultural and industrial machinery and mechanical equipment, except motor vehicle, aircraft and electric motors. |
| 8211 | Mechanical Machinery Assemblers | Assemble, according to strictly laid down procedures, component parts of mechanical machinery such as engines, motor vehicles, turbines and aircraft. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE
OF MOTOR VEHICLES, TRAILERS AND SEMI-TRAILERS (C29)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2144 | Mechanical Engineers | Conduct research; advise on, design, and direct production of machines, aircraft, ships, machinery and industrial plant, equipment and systems; advise on and direct their functioning, maintenance and repair; or study and advise on mechanical aspects of particular materials, products or processes. |
| 3115 | Mechanical Engineering Technicians | Perform technical tasks to aid in mechanical engineering research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of machines, components and mechanical equipment. |
| 3257 | Environmental and Occupational Health Inspectors and Associates <i>(Quality assurance/control inspectors)</i> | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 7213 | Sheet Metal Workers | Make, install and repair articles and parts of articles made out of sheet metal such as sheet steel, copper, tin, brass, aluminum, zinc or galvanised iron. |
| 7231 | Motor Vehicle Mechanics and Repairers | Fit, install, maintain, service and repair engines and the mechanical and related equipment of passenger cars, delivery trucks, motorcycles and other motor vehicles. |
| 8211 | Mechanical Machinery Assemblers | Assemble, according to strictly laid down procedures, component parts of mechanical machinery such as engines, motor vehicles, turbines and aircraft. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN BUILDING OF SHIPS AND BOATS (C301)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|--------------|--|--|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 2144 | Marine Engineers | Advise on and hulls, superstructures and propulsion systems of ships; mechanical plant and equipment for the release, control and utilization of energy; heating, ventilation and refrigeration systems, steering gear, pumps, and other mechanical equipment; |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7126 | Plumbers and Pipe Fitters | Assemble, install, repair and maintain pipe systems, fittings and fixtures for water, gas, drainage, sewerage systems, and hydraulic and pneumatic equipment. |
| 7212 | Welders and Flame Cutters | Weld and cut metal parts using gas flame, electric arc and other sources of heat to melt and cut, or to melt and fuse metal. |
| 7214 | Structural Metal Preparers and Erectors | Assemble, erect and dismantle structural metal frames of buildings and other structures. |
| 7215 | Riggers and Cable Splicers | Assemble rigging gear to move and position equipment and structural components, or install and maintain cables, ropes and wires on construction sites, buildings or other structures. |
| 7233 | Industrial Machinery Mechanics and Repairers (<i>Marine Craft Mechanics</i>) | Fit, install, examine, service and repair engines, agricultural and industrial machinery and mechanical equipment, except motor vehicle, aircraft and electric motors. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MANUFACTURE OF FURNITURE (C31)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|-----------|---|---|
| 3122 | Manufacturing Supervisors | Coordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing laborers. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 3432 | Interior Designers and Decorators | Plan and design commercial, industrial, public, retail and residential building interiors to produce an environment tailored to a purpose, taking into consideration factors that enhance living and working environments and sales promotion. They coordinate and participate in their construction and decoration. |
| 4322 | Production Clerks | Compute quantities of materials required at specified dates for manufacturing, construction and similar production programmes; and prepare and check production operation schedules. |
| 7522 | Cabinet-Makers and Related Workers | Make, decorate and repair wooden furniture, carts and other vehicles, wheels, parts, fittings, patterns, models and other wooden products using woodworking machines, machine tools and specialized hand tools. |
| 7317 | Handicraft Workers In Wood, Basketry And Related Materials | Make wicker furniture from peeled and softened rattan, reeds, rushes, willow branches and similar materials |
| 7534 | Upholsterers and Related Workers | Install, repair and replace upholstery of furniture, fixtures, orthopaedic appliances; seats, panels, convertible and vinyl tops and other furnishings of automobiles, railway coaches, aircraft, ships and similar items with fabric, leather, rexine or other upholstery material. They also make and repair cushions, quilts and mattresses. |
| 7523 | Woodworking Machine Tool Setters and Operators | Set-up or operate and monitor automatic or semi-automatic woodworking machines, such as precision sawing, shaping, planning, boring, turning and woodcarving machines to fabricate or repair wooden parts for furniture, fixtures and other wooden products. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN ELECTRICITY,
GAS, STEAM AND AIR CONDITIONING SUPPLY (D35)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|--|
| 1449* | Production Supervisors and General Foremen | Supervise the production activities of a distinct unit or sector concerned with processing; coordinate, control and organize the activities of workers; train workers on a particular skill or task. |
| 2151 | Electrical Engineers | Conduct research and advise on, design, and direct the construction and operation of electrical systems, components, motors and equipment, and advise on and direct their functioning, maintenance and repair, or study and advise on technological aspects of electrical engineering materials, products and processes. |
| 3113 | Electrical Engineering Technicians | Perform technical tasks to aid in electrical engineering research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of electrical equipment, facilities and distribution systems. |
| 4214 | Debt Collectors And Related Workers | Collect payments on overdue accounts and bad cheques and collect charity payments. |
| 4222 | Contact Center Information Clerks | Provide advice and information to clients; respond to queries regarding a company's or an organization's goods, services or policies; and process financial transactions using the telephone or electronic communications media, such as email. They are located in premises that may be remote from clients or other operations of the organizations or companies about whom information is provided. |
| 7412 | Electrical Mechanics and Fitters | Fit, adjust, install and repair electrical machinery and other electrical apparatus and equipment in buildings, factories, workshops, or other places. |
| 7413 | Electrical Line Installers and Repairers | Install, repair and join electrical transmission and supply cables and related equipment. |
| 3131 | Power Production Plant Operators | Operate, monitor and maintain switchboards and related equipment in electrical control centers which control the production and distribution of electric or other power in transmission networks. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN WATER COLLECTION, TREATMENT AND SUPPLY (E36)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|--------------|---|--|
| 1449* | Production Supervisors and General Foremen | Supervise the production activities of a distinct unit or sector concerned with processing; coordinate, control and organize the activities of workers; train workers on a particular skill or task. |
| 2142 | Civil Engineers | Conduct research, advise on, design, and direct construction; manage the operation and maintenance of civil engineering structures; or study and advise on technological aspects of particular materials. |
| 3112 | Civil Engineering Technicians | Perform technical tasks in civil engineering research, design, construction, operation, maintenance and repair of buildings and other structures, such as water supply and wastewater treatment systems, bridges, roads, dams and airports. |
| 3257 | Environmental and Occupational Health Inspectors and Associates (<i>Quality assurance/control inspectors</i>) | Inspect areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules, regulations and standards. |
| 4214 | Debt Collectors And Related Workers | Collect payments on overdue accounts and bad cheques and collect charity payments. |
| 4222 | Contact Center Information Clerks | Provide advice and information to clients; respond to queries regarding a company's or an organization's goods, services or policies; and process financial transactions using the telephone or electronic communications media, such as email. They are located in premises that may be remote from clients or other operations of the organizations or companies about whom information is provided. |
| 7126 | Plumbers and Pipe Fitters | Assemble, install, repair and maintain pipe systems, fittings and fixtures for water, gas, drainage, sewerage systems, and hydraulic and pneumatic equipment. |
| 3132 | Incinerator and Water Treatment Plant Operators | Monitor and operate computerized control systems and related equipment in solid and liquid waste treatment plants to regulate the treatment and disposal of sewage and wastes, and in water filtration and treatment plants to regulate the treatment and distribution of water. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN CONSTRUCTION
(F41/F42/F43)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|--|
| 3123 | Construction Supervisors | Coordinate, supervise and schedule the activities of workers engaged in the construction and repair of buildings and structures. |
| 2142 | Civil Engineers | Conduct research, advise on, design, and direct construction; manage the operation and maintenance of civil engineering structures; or study and advise on technological aspects of particular materials. |
| 7113 | Stonemasons, Stone Cutters, Splitters And Carvers | Cut and shape hard and soft stone blocks and slabs for the construction and maintenance of stone structures and monumental masonry, and carve designs and figures in stone. |
| 7114 | Concrete Placers, Concrete Finishers and Related Workers | Erect reinforced concrete frameworks and structures, make forms for molding concrete, reinforce concrete surfaces, cement openings in walls or casings for wells, finish and repair cement surfaces and carry out terrazzo work. |
| 7115 | Carpenters and Joiners | Cut, shape, assemble, erect, maintain and repair various types of structures and fittings made from wood and other materials. |
| 7124 | Insulation Workers | Apply and repair insulating materials to buildings, boilers, pipes or refrigeration and air-conditioning equipment. |
| 7126 | Plumbers and Pipe Fitters | Assemble, install, repair and maintain pipe systems, fittings and fixtures for water, gas, drainage, sewerage systems, and hydraulic and pneumatic equipment. |
| 7214 | Structural Metal Preparers and Erectors | Assemble, erect and dismantle structural metal frames of buildings and other structures. |
| 7233 | Industrial Machinery Mechanics and Repairers (<i>Heavy Equipment Mechanic</i>) | Fit, install, examine, service and repair engines, agricultural and industrial machinery and mechanical equipment, except motor vehicle, aircraft and electric motors. |
| 7411 | Building and Related Electricians | Install, maintain and repair electrical wiring systems and related equipment and fixtures. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN WHOLESALE
AND RETAIL TRADE AND REPAIR OF MOTOR VEHICLES AND
MOTORCYCLES (G45)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|---|
| 1429* | Sales Supervisors | Engage in, or directly associated with, buying and selling of goods and services for use on behalf of wholesale, retail, industrial or other establishments and organizations. |
| 2411 | Accountants (including Auditors) | Plan, organize and administer accounting systems for individuals and establishments. Some occupations classified here examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. |
| 3322 | Commercial Sales Representatives | Represent companies to sell various goods and services to businesses and other organizations and provide product specific information as required. |
| 4321 | Stock Clerks | Maintain records of goods produced and production materials received, weighed, issued, dispatched or put into stock. |
| 5230 | Cashiers and Ticket Clerks | Operate cash registers, optical price scanners, computers or other equipment to record and accept payment for the purchase of goods, services and admissions in settings such as stores, restaurants and ticket offices. Receiving and verifying payment by cash, check, credit card or automatic debit in stores, ticket offices, or similar establishments; |
| 5299* | Shop Sales Assistants/ Sales Demonstrators | Sell a range of goods and services directly to the public or on behalf of retail and wholesale establishments, and explain the functions and qualities of these goods and services. Demonstrate goods at commercial premises, exhibitions and private homes. |
| 7231 | Motor Vehicle Mechanics and Repairers | Fit, install, maintain, service and repair engines and the mechanical and related equipment of passenger cars, delivery trucks, motorcycles and other motor vehicles. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN WHOLESALE
TRADE EXCEPT OF MOTOR VEHICLES AND MOTORCYCLES (G46)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|---|
| 1429* | Sales Supervisors | Engage in, or directly associated with, buying and selling of goods and services for use on behalf of wholesale, retail, industrial or other establishments and organizations. |
| 2411 | Accountants (including Auditors) | Plan, organize and administer accounting systems for individuals and establishments. Some occupations classified here examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. |
| 3322 | Commercial Sales Representatives | Represent companies to sell various goods and services to businesses and other organizations and provide product specific information as required. |
| 4321 | Stock Clerks | Maintain records of goods produced and production materials received, weighed, issued, dispatched or put into stock. |
| 5230 | Cashiers and Ticket Clerks | Operate cash registers, optical price scanners, computers or other equipment to record and accept payment for the purchase of goods, services and admissions in settings such as stores, restaurants and ticket offices. Receiving and verifying payment by cash, check, credit card or automatic debit in stores, ticket offices, or similar establishments; |
| 5244 | Contact Center Salespersons | Contact existing and prospective customers, using the telephone or other electronic communications media, to promote goods and services, obtain sales and arrange sales visits. They may work from a customer contact center or from non-centralized premises. |
| 5299* | Shop Sales Assistants/ Sales Demonstrators | Sell a range of goods and services directly to the public or on behalf of retail and wholesale establishments, and explain the functions and qualities of these goods and services. Demonstrate goods at commercial premises, exhibitions and private homes. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN RETAIL TRADE
EXCEPT OF MOTOR VEHICLES AND MOTORCYCLES (G47)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|---|
| 1429* | Sales Supervisors | Engage in, or directly associated with, buying and selling of goods and services for use on behalf of wholesale, retail, industrial or other establishments and organizations. |
| 2411 | Accountants (including Auditors) | Plan, organize and administer accounting systems for individuals and establishments. Some occupations classified here examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. |
| 4321 | Stock Clerks | Maintain records of goods produced and production materials received, weighed, issued, dispatched or put into stock. |
| 5230 | Cashiers and Ticket Clerks | Operate cash registers, optical price scanners, computers or other equipment to record and accept payment for the purchase of goods, services and admissions in settings such as stores, restaurants and ticket offices. Receiving and verifying payment by cash, check, credit card or automatic debit in stores, ticket offices, or similar establishments; |
| 5244 | Contact Center Salespersons | Contact existing and prospective customers, using the telephone or other electronic communications media, to promote goods and services, obtain sales and arrange sales visits. They may work from a customer contact center or from non-centralized premises. |
| 5299* | Shop Sales Assistants/ Sales Demonstrators | Sell a range of goods and services directly to the public or on behalf of retail and wholesale establishments, and explain the functions and qualities of these goods and services. Demonstrate goods at commercial premises, exhibitions and private homes. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS
IN LAND TRANSPORT AND TRANSPORT VIA PIPELINES EXCEPT
TRANSPORT VIA BUSES (H49 excl. H492)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---------------------------------------|---|
| 1459* | Road Transport Service Supervisors | Supervise and coordinate one or more of the service activities of the traffic department, section or unit engaged in road transport undertaking. |
| 4323 | Transport Clerks (Dispatchers) | Keep records of operational aspects and coordinate the timing of train, road and air passenger and freight transport; and prepare reports for management. |
| 7231 | Motor Vehicle Mechanics and Repairers | Fit, install, maintain, service and repair engines and the mechanical and related equipment of passenger cars, delivery trucks, motorcycles and other motor vehicles. |
| 8332 | Heavy Truck and Lorry Drivers | Drive and tend heavy motor vehicles to transport goods, liquids and heavy materials over short or long distances. |
| 9333 | Freight Handlers | Carry out tasks such as packing, carrying, loading and unloading furniture and other household items, or loading and unloading ship and aircraft cargoes and other freight, or carrying and stacking goods in various warehouses. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN TRANSPORT VIA BUSES (H492)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|-----------|--|--|
| 1459* | Road Transport Service Supervisors | Supervise and coordinate one or more of the service activities of the traffic department, section or unit engaged in road transport undertaking. |
| 4323 | Transport Clerks (<i>Dispatchers</i>) | Keep records of operational aspects and coordinate the timing of passenger and freight transport; and prepare reports for management. |
| 4221 | Travel Consultants and Clerks (<i>Ticket issuing/travel clerk</i>) | Make and confirm reservations and sell tickets to passengers. |
| 5112 | Transport Conductors | Check and issue tickets; and ensure the safety and comfort of passengers on buses |
| 5119* | Bus Inspectors | Inspect/check tickets of bus passengers. |
| 7231 | Motor Vehicle Mechanics and Repairers | Fit, install, maintain, service and repair engines and the mechanical and related equipment. |
| 8331 | Bus Drivers | Drive and tend buses to transport passengers, mail or goods. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN WATER
TRANSPORT (H50)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 1469* | Maritime Transport Service Supervisors | Supervise and coordinate one or more activities of the traffic department, section or unit engaged in marine transport undertaking. |
| 3151 | Ship's Engineer | Control and participate in the operation, maintenance and repair of mechanical, electrical and electronic equipment and machinery on board ship, or perform related supporting functions on shore. |
| 3152 | Ships's Deck Officers and Pilots | Command and navigate ships and similar vessels, and perform related functions on shore. |
| 4323 | Transport Clerks | Keep records of operational aspects and coordinate the timing of train, road and air passenger and freight transport; and prepare reports for management. |
| 4221 | Ticket issuing/travel clerk | Make and confirm reservations and sell tickets to passengers. |
| 5111 | Travel Attendants and Travel Stewards | Ensure the comfort and safety of passengers; serve meals and beverages; and render personal services, usually on aircraft and on board ships. They may plan and coordinate housekeeping and social activities on ships. |
| 7233 | Industrial Machinery Mechanics and Repairers (<i>Marine Machinery Mechanic</i>) | Fit, install, examine, service and repair engines, agricultural and industrial machinery and mechanical equipment, except motor vehicle, aircraft and electric motors. |
| 8350 | Ships' Deck Crews and Related Workers | Carry out deck duties on board ship and similar duties on board other water-borne craft. |
| 9333 | Freight Handlers | Carry out tasks such as packing, carrying, loading and unloading furniture and other household items, or loading and unloading ship and aircraft cargoes and other freight, or carrying and stacking goods in various warehouses. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN AIR TRANSPORT
(H51)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 1479* | Air Transport Service Supervisors | Supervise and coordinate one or more activities of the traffic department, section or unit engaged in air transport undertaking. |
| 3153 | Aircraft Pilots and Related Associate Professionals | Control the operation of mechanical, electrical and electronic equipment, in order to navigate aircraft for transporting passengers, mail and freight and perform related pre-flight and in-flight tasks. |
| 4323 | Transport Clerks | Keep records of operational aspects and coordinate the timing of train, road and air passenger and freight transport; and prepare reports for management. |
| 4221 | Travel Consultants and Clerks (<i>Ticket issuing/travel clerk</i>) | Make and confirm reservations and sell tickets to passengers. |
| 5111 | Travel Attendants and Travel Stewards | Ensure the comfort and safety of passengers; serve meals and beverages; and render personal services, usually on aircraft and on board ships. They may plan and coordinate housekeeping and social activities on ships. |
| 7232 | Aircraft Engine Mechanics and Repairers | Fit, service, repair and overhaul aircraft engines and assemblies, such as airframes, hydraulic, and pneumatic systems. |
| 9333 | Freight Handlers | Carry out tasks such as packing, carrying, loading and unloading furniture and other household items, or loading and unloading ship and aircraft cargoes and other freight, or carrying and stacking goods in various warehouses. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN WAREHOUSING
AND SUPPORT ACTIVITIES FOR TRANSPORTATION (H52)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--------------------------------|---|
| 3331 | Clearing and Forwarding Agents | Carry out customs clearing procedures and ensure that insurance, export/import licenses and other formalities are in order. |
| 8332 | Heavy Truck and Lorry Drivers | Drive and tend heavy motor vehicles to transport goods, liquids and heavy materials over short or long distances. |
| 9333 | Freight Handlers | Carry out tasks such as packing, carrying, loading and unloading furniture and other household items, or loading and unloading ship and aircraft cargoes and other freight, or carrying and stacking goods in various warehouses. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN
ACCOMMODATION AND FOOD SERVICE ACTIVITIES (I55/I56)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|--|
| 2411 | Accountants (including Auditors) | Plan, organize and administer accounting systems for individuals and establishments. Some occupations classified here examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. |
| 4226 | Receptionists (General) | Receive and welcome visitors, clients, or guests; and respond to enquiries and requests, including arranging for appointments. |
| 5139* | Service Crew | Usually found in fast food stores; performs various tasks such as cooking, serving, cleaning and the like. |
| 5151 | Cleaning and Housekeeping Supervisors in Offices, Hotels and Other Establishments | Organize, supervise and carry out housekeeping functions in order to keep clean and tidy the interiors, fixtures and facilities in these establishments. |
| 5120 | Cooks | Plan, organize, prepare and cook meals in hotels, restaurants and other eating places, on board ships, on passenger trains and in private households. |
| 5131 | Waiters | Serve food and beverages at tables in dining and drinking places, clubs, institutions and canteens, on board ships and on passenger trains. |
| 9112 | Cleaners and Helpers in Offices, Hotels and Other Establishments | Perform various cleaning tasks in order to keep clean and tidy the interiors and fixtures of hotels, offices and other establishments, as well as of aircraft, trains, buses and similar vehicles. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN PUBLISHING
ACTIVITIES (J58)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 1449* | Production Supervisors and General Foremen | Supervise the production activities of a distinct unit or sector concerned with processing; coordinate, control and organize the activities of workers; train workers on a particular skill or task. |
| 2144 | Mechanical Engineers | Conduct research; advise on, design, and direct production of machines, aircraft, ships, machinery and industrial plant, equipment and systems; advise on and direct their functioning, maintenance and repair; or study and advise on mechanical aspects of particular materials, products or processes. |
| 2642 | Journalists | Research, investigate, interpret and communicate news and public affairs through newspapers, television, radio and other media. |
| 4413 | Coding, Proof-Reading and Related Clerks | Convert information into codes; verify and correct proofs; and perform a number of miscellaneous clerical duties. |
| 7321 | Pre-Press Technicians | Proof, format, set and compose text and graphics into a form suitable for use in various printing processes and representation in other visual media. Operating plate making equipment to reproduce images from film to printing plates, digital output devices and presses; |
| 7316 | Sign Writers, Decorative Painters, Engravers and Etchers | Decorate articles made of wood, metal, textiles, glass, ceramics and other materials. They plan, lay out and paint letters, figures, monograms and designs to make signs and engrave and etch ornamental and floral designs on glass and other articles. |
| 7323 | Print Finishing and Binding Workers | Bind books and other publications, and finish printed products by hand or machine. |
| 7322 | Printers | Set up and operate digital, letterpress, lithographic, flexographic, gravure, newspaper and other printing presses. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN ANIMATED FILMS
AND CARTOONS PRODUCTION (J590*)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|--|
| 2166 | Graphic and Multimedia Designers | Design information content for visual and audio communication, publication and display using print, film, electronic, digital and other forms of visual and audio media. They create special effects, animation, or other visual images for use in computer games, movies, music videos, print media and advertisements. |
| 2654 | Film, Stage and Related Directors And Producers | Oversee and control the technical and artistic aspects of motion pictures, television or radio productions and stage shows. |
| 2641 | Authors and Related Writers | Plan, research, and write scripts, storyboards, and other non-journalistic articles for publication or presentation. |
| 2651 | Visual Artist (<i>Example: Cartoonist, Commercial Artist</i>) | Create and execute works of art by drawing, painting, creating cartoons, or using other techniques. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN
TELECOMMUNICATIONS (J61)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|--|
| 1330 | Information And Communications Technology Service Managers | Plan, direct, and coordinate the acquisition, development, maintenance and use of computer and telecommunication systems. |
| 2153 | Telecommunications Engineers | Conduct research and advise on, design, and direct the construction functioning, maintenance and repair of telecommunication systems and equipment. They study and advise on technological aspects of telecommunication engineering materials, products or processes. |
| 3522 | Telecommunications Engineering Technicians | Telecommunications engineering technicians perform technical tasks connected with telecommunications engineering research, as well as with the design, manufacture, assembly, construction, operation, maintenance and repair of telecommunications systems. |
| 4223 | Telephone Switchboard Operators | Operate telephone communications switchboards and consoles to establish telephone connections; receive caller inquiries and service problem reports; and record and relay messages to staff or clients. |
| 4222 | Contact Center Information Clerks | Provide advice and information to clients; respond to queries regarding a company's or an organization's goods, services or policies; and process financial transactions using the telephone or electronic communications media, such as email. They are located in premises that may be remote from clients or other operations of the organizations or companies about whom information is provided. |
| 7422 | Information and Communications Technology Installers and Servicers | Install, repair and maintain telecommunications equipment, data transmission equipment, cables, antennae and conduits and repair, fit and maintain computers. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN COMPUTER
PROGRAMMING, CONSULTANCY AND RELATED ACTIVITIES;
INFORMATION SERVICE ACTIVITIES (J62/J63)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 2511 | Systems Analysts | Conduct research, analyze and evaluate client information technology requirements, procedures or problems, and develop and implement proposals, recommendations, and plans to improve current or future information systems. |
| 2514 | Applications Programmers | Write and maintain programmable code outlined in technical instructions and specifications for software applications and operating systems. |
| 2152 | Electronics Engineers | Conduct research on, design, and direct the construction functioning, maintenance and repair of electronic systems and study and advise on technological aspects of electronic engineering materials, products or processes. |
| 2153 | Telecommunications Engineers | Conduct research and advise on, design, and direct the construction functioning, maintenance and repair of telecommunication systems and equipment. They study and advise on technological aspects of telecommunication engineering materials, products or processes. |
| 2523 | Computer Network Professionals | Research, analyze and recommend strategies for network architecture and development, implement, manage, maintain and configure network hardware and software, and monitor, troubleshoot and optimize performance. |
| 3114 | Electronics Engineering Technicians | Perform technical tasks to aid in electronic research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of electronic equipment. |
| 3512 | Information and Communications Technology User Support Technicians | Provide technical assistance to users, either directly or by telephone, e-mail or other electronic means, including diagnosing and resolving issues and problems with software, hardware, computer peripheral equipment, networks, databases and the Internet, and providing guidance and support in the deployment, installation and maintenance of systems. |
| 3511 | Information and Communications Technology Operations Technicians | Support the day-to-day processing, operation and monitoring of information and communications technology systems, peripherals, hardware, software and related computer equipment to ensure optimal performance, and identify any problems. |
| 4132 | Data Entry Clerks | Enter coded, statistical, financial and other numerical data into electronic equipment, computerized databases, spreadsheets or other data repositories using a keyboard, mouse, or optical scanner, speech recognition software or other data entry tools. They enter data into mechanical and electronic devices to perform mathematical calculations. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN FINANCIAL
SERVICE ACTIVITIES EXCEPT INSURANCE, PENSION FUNDING AND
CENTRAL BANKING (K64 excl. K6411)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|--|
| 2122 | Statisticians | Conduct research, improve or develop mathematical and other aspects of statistical concepts, theories and operational methods and techniques, and advise on or engage in their practical application, in such fields as business or medicine, as well as in other areas of natural, social or life sciences. |
| 2411 | Accountants (including Auditors) | Plan, organize and administer accounting systems for individuals and establishments. Some occupations classified here examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. |
| 2631 | Economists | Conduct research, monitor data, analyze information and prepare reports and plans to resolve economic and business problems and develop models to analyze, explain and forecast economic behavior and patterns. They provide advice to business, interest groups and governments to formulate solutions to present or projected economic and business problems. |
| 3311 | Securities and Finance Dealers and Brokers | Buy and sell securities, stocks, bonds and other financial instruments, and deal on the foreign exchange, on spot, or on futures markets, on behalf of their own company or for customers on a commission basis. They recommend transactions to clients or senior management. |
| 3313 | Accounting Associate Professionals | Maintain complete records of financial transactions of an undertaking and verify accuracy of documents and records relating to such transactions. |
| 4312 | Statistical, Finance and Insurance Clerks | Obtain, compile and compute statistical or actuarial data or perform clerical tasks relating to the transactions of insurance establishments, banks and other financial establishments. |
| 4211 | Bank Tellers and Related Clerks | Deal directly with clients of banks or post offices in connection with receiving, changing and paying out money; or providing mail services. |
| 4214 | Debt Collectors and Related Workers | Collect payments on overdue accounts and bad cheques and collect charity payments. |
| 4222 | Contact Center Information Clerks | Provide advice and information to clients; respond to queries regarding a company's or an organization's goods, services or policies; and process financial transactions using the telephone or electronic communications media, such as email. They are located in premises that may be remote from clients or other operations of the organizations or companies about whom information is provided. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN INSURANCE,
REINSURANCE AND PENSION FUNDING EXCEPT COMPULSORY
SOCIAL SECURITY (K65)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|---|--|
| 2121 | Mathematicians and Actuaries | Conduct research and improve or develop mathematical and actuarial concepts, theories and operational methods and techniques and advise on or engage in their practical application in such fields as engineering, business and social and other sciences. |
| 2122 | Statisticians | Conduct research, improve or develop mathematical and other aspects of statistical concepts, theories and operational methods and techniques, and advise on or engage in their practical application, in such fields as business or medicine, as well as in other areas of natural, social or life sciences. |
| 2514 | Applications Programmers | Write and maintain programmable code outlined in technical instructions and specifications for software applications and operating systems. |
| 2411 | Accountants (including Auditors) | Plan, organize and administer accounting systems for individuals and establishments. Some occupations classified here examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. |
| 3321 | Insurance Representatives | Advise on and sell life, accident, automobile, liability, endowment, fire, marine and other types of insurance to new and established clients. |
| 3315 | Valuers and Loss Assessors | Value property and various goods and assess losses covered by insurance policies. |
| 4312 | Statistical, Finance and Insurance Clerks | Obtain, compile and compute statistical or actuarial data or perform clerical tasks relating to the transactions of insurance establishments, banks and other financial establishments. |
| 4214 | Debt Collectors and Related Workers | Collect payments on overdue accounts and bad cheques and collect charity payments. |
| 4222 | Contact Center Information Clerks | Provide advice and information to clients; respond to queries regarding a company's or an organization's goods, services or policies; and process financial transactions using the telephone or electronic communications media, such as email. They are located in premises that may be remote from clients or other operations of the organizations or companies about whom information is provided. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN REAL ESTATE
ACTIVITIES (L68)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|--------------|---|---|
| 3334 | Real Estate Agents and Property Managers (<i>Real Estate Brokers</i>) | Arrange the sale, purchase, rental and lease of real property, usually on behalf of clients. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN ACCOUNTING,
BOOKKEEPING AND AUDITING ACTIVITIES; TAX
CONSULTANCY (M692)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|------------------------------------|--|
| 2411 | Accountants (including Auditors) | Plan, organize and administer accounting systems for individuals and establishments. Some occupations classified here examine and analyze the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures. |
| 3313 | Accounting Associate Professionals | Maintain complete records of financial transactions of an undertaking and verify accuracy of documents and records relating to such transactions. |
| 4132 | Data Entry Clerks | Enter coded, statistical, financial and other numerical data into electronic equipment, computerized databases, spreadsheets or other data repositories using a keyboard, mouse, or optical scanner, speech recognition software or other data entry tools. They enter data into mechanical and electronic devices to perform mathematical calculations. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN ARCHITECTURAL
AND ENGINEERING ACTIVITIES AND RELATED TECHNICAL
CONSULTANCY (M711)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|--|
| 2114 | Geologists and Geophysicists | Conduct research; improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to geology and geophysics in such fields as oil, gas and mineral exploration and extraction, water conservation, civil engineering, telecommunications and navigation, and assessment and mitigation of the effects of development and waste disposal projects on the environment. |
| 2161 | Building Architects | Design commercial, industrial, institutional, residential and recreational buildings and plan and monitor their construction, maintenance and rehabilitation. |
| 2162 | Landscape Architects | Plan and design landscapes and open spaces for projects such as, parks, schools, institutions, roads, external areas for commercial, industrial and residential sites, and plan and monitor their construction, maintenance and rehabilitation. |
| 2142 | Civil Engineers including Geodetic Engineers | Conduct research, advise on, design, and direct construction; manage the operation and maintenance of civil engineering structures; or study and advise on technological aspects of particular materials. |
| 2151 | Electrical Engineers | Conduct research and advise on, design, and direct the construction and operation of electrical systems, components, motors and equipment, and advise on and direct their functioning, maintenance and repair, or study and advise on technological aspects of electrical engineering materials, products and processes. |
| 3112 | Civil Engineering Technicians | Perform technical tasks in civil engineering research, design, construction, operation, maintenance and repair of buildings and other structures, such as water supply and wastewater treatment systems, bridges, roads, dams and airports. |
| 3113 | Electrical Engineering Technicians | Perform technical tasks to aid in electrical engineering research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of electrical equipment, facilities and distribution systems. |
| 3118 | Draftsmen | Prepare technical drawings, maps and illustrations from sketches, measurements and other data, and copy final drawings and paintings on to printing plates. |

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN TRAVEL AGENCY, TOUR OPERATOR, RESERVATION SERVICE AND RELATED ACTIVITIES (N79)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|------------------|-------------------------------|---|
| 4221 | Travel Consultants and Clerks | Supply information, arrange travel itineraries, obtain travel and accommodation reservations; and organize group tours. |
| 5113 | Travel Guides | Accompany individuals or groups on trips, sightseeing tours and excursions and on tours of places of interest such as historical sites, industrial establishments and theme parks. They describe points of interest and provide background information on interesting features. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN CALL CENTER
ACTIVITIES (VOICE) (N8221)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|--|
| 2514 | Applications Programmers | Write and maintain programmable code outlined in technical instructions and specifications for software applications and operating systems. |
| 2512 | Computer Engineers | Research, analyze and evaluate requirements for existing or new software applications and operating systems, and design, develop, test and maintain software solutions to meet these requirements. |
| 3512 | Information and Communications Technology User Support Technicians | Provide technical assistance to users, either directly or by telephone, e-mail or other electronic means, including diagnosing and resolving issues and problems with software, hardware, computer peripheral equipment, networks, databases and the Internet, and providing guidance and support in the deployment, installation and maintenance of systems. |
| 4222 | Contact Center Information Clerks | Provide advice and information to clients; respond to queries regarding a company's or an organization's goods, services or policies; and process financial transactions using the telephone or electronic communications media, such as email. They are located in premises that may be remote from clients or other operations of the organizations or companies about whom information is provided. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN BACK-OFFICE
OPERATIONS ACTIVITIES (NON-VOICE) EXCEPT MEDICAL
TRANSCRIPTION ACTIVITIES (N8222 except N82226)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 2511 | Systems Analyst (<i>Example: Systems Analyst, ICT Business Analyst, Computer Analyst</i>) | Conduct research, analyze and evaluate client information technology requirements, procedures or problems, and develop and implement proposal, recommendations, and plans to improve current or future information systems. |
| 2512 | Software Developers (<i>Example: Software Developers/ Engineer</i>) | Research, analyze and evaluate requirements for existing or new software applications and operating systems, and design, develop test and maintain software solutions to meet their requirements. |
| 2513 | Web and Multimedia Developers (<i>Example: Game Developers, Animation Programmer, Website Developer, Computer Graphic Artist</i>) | Combine design and technical knowledge to research, analyze, evaluate, design, program and modify websites, and applications that draw together text, graphics, animations, imaging, audio and video displays, and other interactive media. |
| 2514 | Applications Programmers (<i>Example: Application Programmers, C Language/ Cobol/ Java/ Oracle Programmer</i>) | Write and maintain programmable code outlined in technical instructions and specifications for software applications and operating systems. |
| 2521 | Database Designers and Administrators | Design, develop, control, maintain and support the optimal performance and security of databases. Task includes database management, database architecture, data structures, tables, dictionaries, backup and recovery of data. |
| 2522 | Systems Administrators (<i>Example: Network/Systems Administrator/Engineer</i>) | Design, develop, control, maintain and support the optimal performance and security of databases. Task includes computer network and systems and diagnosing hardware and software problems. |
| 2523 | Computer Network Professionals (<i>Example: Network Analyst, IT specialist, Management Information Analyst</i>) | Research, analyze and recommend strategies for network architecture and development, implement, manage, maintain and configure network hardware And software, and monitor, troubleshoot and optimize performance. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN MEDICAL
TRANSCRIPTION ACTIVITIES (N82226)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 2514 | Applications Programmers | Write and maintain programmable code outlined in technical instructions and specifications for software applications and operating systems. |
| 2512 | Computer Engineers | Research, analyze and evaluate requirements for existing or new software applications and operating systems, and design, develop, test and maintain software solutions to meet these requirements. |
| 3512 | Information and Communications Technology User Support Technicians | Provide technical assistance to users, either directly or by telephone, e-mail or other electronic means, including diagnosing and resolving issues and problems with software, hardware, computer peripheral equipment, networks, databases and the Internet, and providing guidance and support in the deployment, installation and maintenance of systems. |
| 3344 | Medical Transcriptionists | Using specialized knowledge of medical terminology and health care delivery procedures, assist health professionals and other workers by performing a variety of communication, documentation, administrative and internal coordination functions, to support health workers in medical facilities and other health-care related organizations. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN EDUCATION
EXCEPT PUBLIC EDUCATION (P85)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 2310 | University and Higher Education Teachers | Prepare and deliver lectures and conduct tutorials in one or more subjects within a prescribed course of study at a university or other higher educational institution. They conduct research, and prepare scholarly papers and books. |
| 2320 | Vocational Education Teachers | Teach or instruct vocational or occupational subjects in adult and further education institutions and to senior students in secondary schools and colleges. They prepare students for employment in specific occupations or occupational areas for which university or higher education is not normally required. |
| 2330 | Secondary Education Teachers | Teach one or more subjects at secondary education level, excluding subjects intended to prepare students for employment in specific occupational areas. |
| 2339* | Science and Mathematics Teaching Professionals | Teach academic subjects at the second level of education in science and mathematics. |
| 2352 | Special Need Teachers including gifted and mentally and physically handicapped | Teach physically or mentally handicapped children, young persons, or adults, or those with learning difficulties or other special needs. They promote the social, emotional, intellectual and physical development of their students. |
| 2341 | Primary School Teachers | Teach a range of subjects at the primary education level. |
| 2342 | Early Childhood Educators | Promote the social, physical, and intellectual development of children below primary school age through the provision of educational and play activities. |

* OWS Code.

Note: PSOC refers to Philippine Standard Occupational Classification.

LIST OF OCCUPATIONS COVERED BY 2018 OWS IN HUMAN HEALTH ACTIVITIES EXCEPT PUBLIC HEALTH ACTIVITIES (Q86)

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|--------------|---|--|
| 2211 | Generalist Medical Practitioners (<i>Medical Doctors</i>) | Diagnose, treat and prevent illness, disease, injury, and other physical and mental impairments and maintain general health in humans through application of the principles and procedures of modern medicine. They do not limit their practice to certain disease categories or methods of treatment, and may assume responsibility for the provision of continuing and comprehensive medical care to individuals, families and communities. |
| 2212 | Specialist Medical Practitioners | They specialize in certain disease categories, types of patient or methods of treatment and may conduct medical education and research in their chosen areas of specialization. |
| 2261 | Dentists | Diagnose, treat and prevent diseases, injuries and abnormalities of the teeth, mouth, jaws and associated tissues by applying the principles and procedures of modern dentistry. |
| 2265 | Dieticians and Nutritionist | Assess, plan and implement programs to enhance the impact of food and nutrition on human health. |
| 3212 | Medical and Pathology Laboratory Technicians (<i>Medical Technologists</i>) | Perform clinical tests on specimens of bodily fluids and tissues in order to obtain information about the health of a patient or cause of death. |
| 2264 | Physiotherapist (<i>Physical Therapist</i>) | Assess, plan and implement rehabilitative programs that improve or restore human motor functions, maximize movement ability, relieve pain syndromes, and treat or prevent physical challenges associated with injuries, diseases and other impairments. They apply a broad range of physical therapies and techniques such as movement, ultrasound, heating, laser and other techniques. |
| 2221 | Nursing Professionals | Provide treatment, support and care services for people who are in need of nursing care due to the effects of ageing, injury, illness or other physical or mental impairment, or potential risks to health. They assume responsibility for the planning and management of the care of patients, including the supervision of other health care workers, working autonomously or in teams with medical doctors and others in the practical application of preventive and curative measures. |
| 2222 | Midwifery Professionals | Plan, manage, provide and evaluate midwifery care services before, during and after pregnancy and childbirth. They provide delivery care for reducing health risks to women and newborn children, working autonomously or in teams with other health care providers. |
| 3211 | Medical Imaging and Therapeutic Equipment Technicians (<i>Examples: X-ray/ECG technician, CT Scan technologist, Radiographer</i>) | Test and operate radiographic, ultrasound and other medical imaging equipment to produce images of body structures for the diagnosis and treatment of injury, disease and other impairments. They may administer radiation treatments to patients under the supervision of a radiologist or other health professional. |

Note: PSOC refers to Philippine Standard Occupational Classification.

**LIST OF OCCUPATIONS COVERED BY 2018 OWS IN OTHER
PERSONAL SERVICE ACTIVITIES (S96)**

| PSOC 2012 | OCCUPATION | FUNCTIONS/RESPONSIBILITIES |
|----------------------|--|---|
| 3255 | Physiotherapy Technicians and Assistants (<i>Example: Massage Therapist</i>) | Provide physical therapeutic treatments to patients in circumstances where functional movement is threatened by injury, disease or impairment. |
| 3423 | Fitness and Recreation Instructors and Program Leaders | Lead, guide, and instruct groups and individuals in recreational, fitness or outdoor adventure activities. |
| 5141 | Hairdressers (<i>Examples: Barber, Hairstylist</i>) | Cut, style, color, straighten and permanently wave hair; shave or trim facial hair; and treat scalp conditions. |
| 5142 | Beauticians and related workers (<i>Examples: Attendant (sauna bath, face/body massage/scrub, face/foot/hand spa), Make-up Artist, Manicurist, Pedicurist, Beauty Consultant</i>) | Give facial and body beauty treatments; apply cosmetics and make-up; and give other kinds of treatment to individuals in order to improve their appearance. |

Note: PSOC refers to Philippine Standard Occupational Classification.