



International Labour Organization
Organisation internationale du Travail
Organización Internacional del Trabajo

*Updating the
International Standard Classification of Occupations (ISCO)*

*Draft ISCO-08 Group Definitions:
Occupations in Design*

ISCO-08 Draft Definitions - Design

ISCO 08 Code

216

Title EN

Architects, planners, surveyors and designers

Lead Statement

Architects, planners, surveyors and designers plan and design; landscapes, building exteriors and interiors; products for manufacture; information for visual communication, publication and display. They conduct survey work to precisely position geographical features, design, prepare and revise maps, and they develop and implement plans and policies for controlling the use of land.

Task statement

Tasks performed usually include: determining the objectives and constraints of the design brief by consulting with clients and stakeholders; formulating design concepts and plans that harmonize aesthetic considerations with technical, functional and production requirements; preparing sketches, diagrams, illustrations, animations; plans, maps, charts, samples and models to communicate design concepts and other information; analyzing photographs, satellite imagery, survey documents and data, maps, records, reports and statistics; undertaking research and analysing functional, spatial, commercial, cultural, safety and aesthetic requirements.

Included occupations

Excluded occupations

Notes

Comments

Def from ANZSCO 232

ISCO 88 Code(s)

ISCO 08 Code
2161
Title EN
Building architects

Lead Statement

Building architects design commercial, industrial, institutional, residential and recreational buildings and plan and monitor their construction, maintenance and rehabilitation.

Task statement

Tasks include:

- (a) developing new or improved architectural theories and methods;
- (b) inspecting sites and consulting clients, management and other stakeholders to determine type, style and size of proposed buildings and alterations to existing buildings
- (c) providing information regarding designs, materials and estimated building times
- (d) preparing project documentation, including sketches and scale drawings, and integrating structural, mechanical and aesthetic elements in final designs
- (e) writing specifications and contract documents for use by builders and calling tenders on behalf of clients
- (f) making necessary contacts to ensure feasibility of projects regarding style, cost, timing, and and compliance with regulations.;
- (g) identifying and finding best solutions for problems regarding function and quality of interior environments of buildings and making necessary designs, drawings and plans;
- (h) monitoring construction or rehabilitation work to ensure compliance with specifications and quality standards.
- (i) maintaining technical liaison and consultancy with other relevant specialists;

Included occupations

Examples of the occupations classified here:

- Building architect
- Interior architect
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Excluded occupations

Some related occupations classified elsewhere:

- Landscape architect - 2161
- Interior decorator - 3432
- Interior designer - 3432

Notes

Comments

ISCO 88 Code(s)

2141, part

ISCO 08 Code
2162
Title EN
Landscape architects

Lead Statement

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.

Task statement

Tasks include:

- (a) developing new or improved theories and methods in landscape architecture;
- (b) inspecting sites and consulting clients, management and other stakeholders to determine type, style and size of proposed buildings, parks, roads and other open spaces;
- (c) compiling and analyzing site and community data about geographical and ecological features, landforms, soils, vegetation, site hydrology, visual characteristics and human-made structures, to formulate land use and development recommendations, and for preparing environmental impact statements;
- (d) preparing reports, site plans, working drawings, specifications and cost estimates for land development, showing location and details of proposals, including ground modelling, structures, vegetation and access;
- (e) writing specifications and contract documents for use by builders and civil engineering contractors and calling tenders on behalf of clients;
- (f) making necessary contacts to ensure feasibility of projects regarding style, cost, timing, and and compliance with regulations;
- (g) identifying and finding best solutions for problems regarding function and quality of exterior environments and making necessary designs, drawings and plans;
- (h) monitoring construction or rehabilitation work to ensure compliance with specifications and quality standards;
- (i) maintaining technical liaison and consultancy with other relevant specialists.

Included occupations

Examples of the occupations classified here:

- Landscape architect

Excluded occupations

Some related occupations classified elsewhere:

- Building architect - 2161
- Urban planner - 2164

Notes

Comments

ISCO 88 Code(s)
2141, part

ISCO 08 Code**2163****Title EN****Product and garment designers****Lead Statement**

Product and garment designers design and develop products for manufacture and prepare designs and specifications of products for mass, batch and one-off production.

Task statement

Tasks include :

- (a) determining the objectives and constraints of the design brief by consulting with clients and stakeholders
- (b) formulating design concepts for clothing, textiles, industrial, commercial and consumer products, and jewellery
- (c) harmonizing aesthetic considerations with technical, functional and production requirements
- (d) preparing sketches, diagrams, illustrations, plans, samples and models to communicate design concepts
- (e) negotiating design solutions with clients, management, and sales and manufacturing staff
- (f) selecting, specifying and recommending functional and aesthetic materials, production methods and finishes for manufacture
- (g) detailing and documenting the selected design for production
- (h) preparing and commissioning prototypes and samples
- (i) supervising the preparation of patterns, programs and tooling, and the manufacturing process

Included occupations

Examples of the occupations classified here:

- Costume designer
- Fashion designer
- Industrial designer
- Jewellery designer

Excluded occupations

Some related occupations classified elsewhere:

- Engineering designer - 214
- Building architect - 2161
- Landscape architect - 2161
- Interior designer - 3432

Notes**Comments****ISCO 88 Code(s)**

3471, part

ISCO 08 Code**2164****Title EN****Town and traffic planners****Lead Statement**

Town and traffic planners develop and implement plans and policies for the controlled use of urban and rural land and for traffic systems. They conduct research and provide advice on economic, environmental and social factors affecting land use and traffic flows.

Task statement

Tasks include -

- (a) planning layout and coordinating development of urban areas;
- (b) compiling and analyzing data on economic, legal, political, cultural, demographic, sociological, physical and environmental factors affecting land use;
- (c) conferring with government authorities, communities and specialists in fields such as architecture, planning, social science the environment and the law;
- (d) devising and recommending use and development of land, and presenting narrative and graphic plans, programs and designs to groups and individuals;
- (e) advising governments, companies and communities on urban and regional planning issues and proposals;
- (f) reviewing and evaluating environmental impact reports;
- (g) planning layout and coordinating development of urban areas;
- (h) planning and the development of land areas for parks, schools, institutions, airports, roadways and related projects, and for commercial, industrial and residential sites;
- (i) planning and advising on routing and control of road traffic and public transportation systems for efficiency and safety.

Included occupations

Examples of the occupations classified here:

- Land Planner
- Traffic planner
- Urban Planner

Excluded occupations

Some related occupations classified elsewhere:

- Building architect - 2161
- Landscape architect - 2162

Notes**Comments****ISCO 88 Code(s)**

2141, part

ISCO 08 Code**2165****Title EN****Cartographers and surveyors****Lead Statement**

Cartographers and surveyors determine the exact position of, or prepare and revise digital, graphic and pictorial maps, charts other visual representation of, natural and constructed features and boundaries of land, seas, underground areas and celestial bodies, applying scientific and mathematical principles.

Task statement

Tasks include:

- (a) surveying, measuring and describing land surfaces, mines, underground surfaces, sea, river and lake beds;
- (b) noting exact position of various features and recording survey data in digital form;
- (c) making charts and maps to be used in determining navigable waters and channels and in planning construction of marine structures;
- (d) planning and conducting aerial photographic surveys;
- (e) designing, compiling and revising maps and charts using aerial and other photographs, satellite imagery, survey documents and data, existing maps and records, reports and statistics;
- (f) undertaking research and development of surveying and photogrammetric measurement systems, cadastral systems and land information systems
- (g) studying and advising on technical, aesthetic and economic aspects of map production;
- (h) maintaining technical liaison and consultancy with other relevant specialists;

Included occupations

Examples of the occupations classified here:

- Aerial surveyor,
- Cadastral Surveyor
- Cartographer
- Hydrographic surveyor,
- Land surveyor
- Mine surveyor
- Photogrammetrist

Excluded occupations

Some related occupations classified elsewhere:

- Building Surveyor - 3112
- Marine Surveyor - 3115
- Quantity Surveyor- 2149

Notes**Comments****ISCO 88 Code(s)**

2148

ISCO 08 Code**2166****Title EN****Graphic and multimedia designers****Lead Statement**

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.

Task statement

Tasks include -

- (a) determining the objectives and constraints of the design brief by consulting with clients and stakeholders
- (b) undertaking research and analysing functional communication requirements
- (c) formulating design concepts for the subject to be communicated
- (d) preparing sketches, diagrams, illustrations and layouts to communicate design concepts
- (e) designing complex graphics and animation to satisfy functional, aesthetic and creative requirements of the design brief;
- (f) creating two-dimensional and three-dimensional images depicting objects in motion or illustrating a process, using computer animation or modeling programs
- (g) negotiating design solutions with clients, management, sales and production staff
- (h) selecting, specifying or recommending functional and aesthetic materials and media for publication, delivery or display
- (i) detailing and documenting the selected design for production;
- (j) supervising or carrying out production in the chosen media.

Included occupations

Examples of the occupations classified here:

- Animator,
- Digital artist,
- Graphic designer
- I - Illustrator
- Multimedia designer
- Publication designer
- Web designer

Excluded occupations

Some related occupations classified elsewhere:

- Interior architect - 2161
- Interior designer -3442
- Multimedia developer – 2531
- Visual artist - 2651
- Web developer - 2531

Notes**Comments**

ANZSCO 2324, ONET 27-1014

ISCO 88 Code(s)

3471, part

ISCO 08 Code**3432****Title EN****Interior designers and decorators****Lead Statement**

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.

Task statement

Tasks include:

- (a) determining the objectives and constraints of the design brief by consulting with clients and stakeholders
- (b) researching and analysing spatial, functional, efficiency, safety and aesthetic requirements
- (c) formulating design concepts for the interiors of buildings
- (d) preparing sketches, diagrams, illustrations and plans to communicate design concepts
- (e) negotiating design solutions with clients, management, suppliers and construction staff
- (f) selecting, specifying and recommending functional and aesthetic materials, furniture and products for interiors
- (g) detailing and documenting selected design for construction
- (h) coordinating the construction and the decoration of interiors
- (i) designing and painting stage scenery;
- (j) designing and decorating show windows and other display areas to promote products and services;

Included occupations

Examples of the occupations classified here:

- Display decorator
- Interior decorator,
- Set designer
- Window dresser
- Visual merchandiser

Excluded occupations

Some related occupations classified elsewhere:

- Interior architect - 2161

Notes**Comments****ISCO 88 Code(s)****3471, part**