



**Manufacturing
Industry Skills
Alliance**

Appendix C:

Occupational Groups in the Manufacturing Industry and ANZSCO Coding

The Manufacturing **industry** employs workers from many **occupation groups**. Not all workers from those occupations work in manufacturing – there is not a one-to-one mapping of industries to occupation groups. Accordingly, when interrogating occupation data to extract insights relevant to the manufacturing industry, it would be incorrect to attribute 100% of the occupation characteristic to manufacturing.

ANZSIC is the classification system for industry sectors, whilst ANZSCO is the classification system for occupation groups, however. ANZSCO data is cross-sectoral.

Where 4-digit ANZSCO occupation codes are used, the 2024 Workforce Plan reflects the JSA guidance to either:

- Apportion the occupation data using the manufacturing percentage share of occupations (ABS Census 2021); or
- Not apportion a share of the occupation data to manufacturing (ie: analyse 100%) but provide a footnote/disclaimer that the data applies to the entire 4-digit ANZSCO occupation group and includes figures from sectors allocated to other JSCs.

The 2024 Workforce Plan notes which approach is used when presenting ANZSCO-based data. The table below lists the 39 ANZSCO key occupation groups that work in manufacturing. Based on the 2023 Skills Priority List, 24 of these occupation groups contain occupations identified as having **a shortage**.

ANZSCO Code	Occupation Group
1334	Manufacturers
1335	Production Managers
2323	Fashion, Industrial and Jewellery Designers
2342	Chemists, and Food and Wine Scientists
3114	Science Technicians
3124	Electronic Engineering Draftspersons and Technicians
3125	Mechanical Engineering Draftspersons and Technicians
3129	Other Building and Engineering Technicians
3220	Fabrication Engineering Trades Workers, not further defined (“nfd”)
3221	Metal Casting, Forging and Finishing Trades Workers
3222	Sheetmetal Trades Workers
3223	Structural Steel and Welding Trades Workers
3231	Aircraft Maintenance Engineers
3232	Metal Fitters and Machinists
3233	Precision Metal Trades Workers
3234	Toolmakers and Engineering Patternmakers
3242	Vehicle Body Builders and Trimmers
3411	Electricians
3421	Airconditioning and Refrigeration Mechanics

ANZSCO Code	Occupation Group
3511	Bakers and Pastrycooks
3920	Printing Trades Workers, nfd
3921	Print Finishers and Screen Printers
3922	Graphic Pre-press Trades Workers
3923	Printers
3991	Boat Builders and Shipwrights
3994	Jewellers
7111	Clay, Concrete, Glass and Stone Processing Machine Operators
7115	Plastics and Rubber Production Machine Operators
7119	Other Machine Operators
7123	Engineering Production Workers
8311	Food and Drink Factory Workers
8320	Packers and Product Assemblers, nfd
8322	Product Assemblers
8390	Miscellaneous Factory Process Workers, nfd
8391	Metal Engineering Process Workers
8392	Plastics and Rubber Factory Workers
8393	Product Quality Controllers
8399	Other Factory Process Workers
8995	Printing Assistants and Table Workers