

*New Occupations in Job Markets Australia*  
*sourced from the Australian and New Zealand Standard Classification of Occupations, 2021*

There are 1,063 occupations in 2023-2024 issue of the *Job Markets Australia* database, compared with 1,016 occupations in the 2022-2023 and preceding issues. In the current issue are 60 occupations that are new or were split and/or recoded. They are listed below and on the following pages, along with their summary job duties.

The titles, codes, and job duties for the 60 occupations were sourced from the Australian Bureau of Statistics' revised Occupation Experimental Update version 1 (OCCEV1P), which is based on the 1st edition of the *Australian and New Zealand Standard Classification of Occupations (ANZSCO) Dictionary*, revision 1.2. The short name for this source is the 2021 Australian update.

The Bureau's website advises, "This was a targeted update limited to occupations relating to agriculture, cyber security, naval ship building and emerging occupations and relates to the Australian labour market only. The *ANZSCO – Australian and New Zealand Standard Classification of Occupations, 2021* represents the 2021 Australian update."

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#### Managers major group

Mixed Cattle and Sheep Farmers *ANZSCO* code 121323: plan, organise, control, coordinate and perform farming operations to breed and raise cattle and sheep.

Broadacre Crop Growers nec *ANZSCO* code 121599: This occupation group covers Broadacre Crop Growers not elsewhere classified.

Fruit Growers *ANZSCO* code 121612: plan, organise, control, coordinate and perform farming operations to grow fruit, including table grapes.

Nut Growers *ANZSCO* code 121613: plan, organise, control, coordinate and perform farming operations to grow nuts, excluding those grown as broadacre crops (e.g. peanuts).

Production Nursery Growers *ANZSCO* code 121614: plan, organise, control, and coordinate the propagation and growing of horticultural plant stock for wholesale. May also grow plants and seedlings for retail customers.

Horticultural Crop Growers nec *ANZSCO* code 121699: This occupation group covers Horticultural Crop Growers not elsewhere classified.

Broadacre Crop and Livestock Farmers *ANZSCO* code 121711: plan, organise, control, coordinate and perform farming and farm management activities involving the cultivation of broadacre crops and the breeding and raising of livestock.

Mixed Production Farmers nec *ANZSCO* code 121799: This occupation group covers Mixed Production Farmers not elsewhere classified.

#### Professionals major group

Content Creators (Marketing) *ANZSCO* code 225114: create and publish text, photos and videos designed to promote businesses, products, or services, to social media and digital platforms, to grow an audience, build brand awareness and increase sales. Schedule the release of, and updates to, marketing content on these platforms. This occupation excludes Social Media Influencers, who are included in Occupation 639111 Model.

Digital Marketing Analysts *ANZSCO* code 225115: uses tools and techniques such as Pay per click, Search Engine Optimisation (SEO) and tracking customer behaviour on websites to better understand online consumer behaviour; with the aim of improving digital marketing campaigns and ultimately increasing sales.

Aquaculture or Fisheries Scientists *ANZSCO* code 234116: study commercial marine and aquatic plants, animals, ecosystems, and aquaculture techniques to assess stock and enhance the productivity of aquatic wild harvest and aquaculture and developing better ways of harvesting fish and plants.

Entomologists *ANZSCO* code 234521: study the anatomy, physiology, characteristics, ecology, behaviour, environments, and impact of insects.

Respiratory Scientists *ANZSCO* code 234612: conduct lung function tests to support the diagnosis and treatment of respiratory and sleep disorders, in consultation with other medical professionals.

User Experience Designers (ICT) *ANZSCO* code 261113: a User Experience Designer is involved in the end to end development process. This includes user research and consultation, strategy, design, branding, usability, function, and testing. User Experience Designers predominantly work with digital tools, such as apps and websites.

Cyber Security Engineers *ANZSCO* code 261315: design, develop, modify, document, test, implement, install, and support cybersecurity software applications and systems; ensure they are fully integrated.

Devops Engineers *ANZSCO* code 261316: facilitate and undertake communication, collaboration, integration, and automation to improve efficiency and workflow across different specialist IT teams.

Penetration Testers *ANZSCO* code 261317: create test cases using in-depth technical analysis of risks and typical vulnerabilities and produce test scripts, materials, and packs to test new and existing software or services, plan, coordinate and conduct cyber threat emulation activities in support of certification, accreditation, and operational priorities to verify deficiencies in technical security controls.

Cyber Governance Risk and Compliance Specialists *ANZSCO* code 262114: lead the governance, risk, and compliance for cyber security.

Cyber Security Advice and Assessment Specialists *ANZSCO* code 262115: conduct risk and security control assessments, interpret security policy and contribute to the development of standards and guidelines, review information system designs, provide guidance on security strategies to manage identified risks, provide specialist advice, explain systems security and the strengths and weaknesses.

Cyber Security Analysts *ANZSCO* code 262116: analyse and assess vulnerabilities in the infrastructure (software, hardware, networks), investigate available tools and countermeasures to remedy the detected vulnerabilities, and recommend solutions and best practices. Analyse and assess damage to the data/infrastructure as a result of security incidents, examine available recovery tools and processes, and recommend solutions.

Cyber Security Architects *ANZSCO* code 262117: design a security system or major components of a security system and may head a security design team building a new security system.

Cyber Security Operations Coordinators *ANZSCO* code 262118: lead the coordination, and response to complex cyber security incidents and hunt investigations, manage tasks across various teams for incident response and hunt operations, advise leadership on current operational

collaborations and contribute toward strategic planning, facilitate incident response engagements, assess technical information to develop key messaging.

#### Technicians and Trades Workers major group

Agricultural and Agritech Technicians *ANZSCO* code 311112: perform tests and experiments, and provide technical support to assist Agricultural Research Scientists, Agronomists and Aquaculture or Fisheries Scientists in areas such as research, production, servicing, and marketing and advises on, installs, and services advanced agriculture technology and equipment such as precision agricultural solutions, virtual fencing, and automatic milking machines.

Animal Husbandry Technicians *ANZSCO* code 311113: assist Livestock Farmers and Farm Managers in breeding, raising, and managing livestock by undertaking technical animal husbandry tasks such as pregnancy testing, artificial insemination, lactation management and providing nutrition assessment and advice.

Aquaculture or Fisheries Technicians *ANZSCO* code 311114: assist Aquaculture Farmers and Fisheries Scientists in raising and managing aquatic stock by undertaking onshore and offshore technical fish husbandry tasks sampling water and analysing data from ponds, pens and tanks and identifying common diseases and pests, and perform tests and experiments and provide technical support in areas such as research, production, servicing, and marketing.

Irrigation Designers *ANZSCO* code 311115: design and plan irrigation systems according to licencing, climatic and environmental considerations, water source availability, crop type, and soil characteristics.

Respiratory Technicians *ANZSCO* code 311217: perform routine lung function tests; use and maintain diagnostic equipment under the supervision of Respiratory Scientists. Monitor patients on ventilation or those undergoing sleep studies.

Biosecurity Officers *ANZSCO* code 311313: inspect and assess goods, conveyances, plants, animals, and the environment for biosecurity risk to ensure compliance with laws and regulations and to prevent the incursion and spread of exotic pests and diseases.

Primary Products Quality Assurance Officers *ANZSCO* code 311314: develop, implement, and oversee monitoring, testing and application of quality assurance programs within a primary production or processing enterprise. May monitor production requirements as they relate to food safety, biosecurity, and quality assurance.

Other Draftspersons *ANZSCO* code 312914: prepare detailed drawings, technical plans, maps, and illustrations to precise specifications.

Track Riders *ANZSCO* code 361116: exercise thoroughbreds to condition them for racing by riding the horse at varying speeds.

Sports Turf Managers *ANZSCO* code 362312: manage fine turf sporting facilities and supervise and coordinate the activities of sports turf tradespersons and maintenance staff.

Sports Turf Trades Workers *ANZSCO* code 362313: maintain fine turf sporting facilities and related irrigation systems; and diagnose, treat, and prevent turf pests and diseases to enhance the presentation and playability of sport and recreation facilities.

Tree Workers *ANZSCO* code 362512: maintain and care for individual trees and shrubs in urban environments by pruning and shaping branches, treating for pests and disease, removing dead or decaying trees, and advising on general tree care. Often employ specialist skills including aerial access of the tree using rope access or elevated work platforms.

Irrigation Technicians *ANZSCO* code 362712: Install, maintain and service irrigation systems for agriculture, sports turf, and horticulture.

Aquaculture Supervisors *ANZSCO* code 363111: supervise and perform specialist roles in aquacultural farming operations including in hatcheries, grow-out operations, and initial processing and packing of harvested product.

Fishing Leading Hands *ANZSCO* code 363112: supervise fishing hands to ensure safe, efficient, and effective fishing operations, preservation of quality catch and cleanliness and maintenance of workplace.

Forestry Operations Supervisors *ANZSCO* code 363113: supervise Forestry and Logging Workers to ensure safe, efficient, and effective cultivation, maintenance and harvesting of natural and plantation forests.

Horticultural Supervisor or Specialists *ANZSCO* code 363114: supervise or perform specialist roles in horticultural farming operations including the planting, cultivation, harvest and packing of horticultural crops.

Senior Broadacre Crop and Livestock Farm Workers *ANZSCO* code 363115: perform skilled tasks to manage and supervise the cultivation of broadacre crops and the breeding and raising of livestock.

Senior Broadacre Crop Farm Workers *ANZSCO* code 363116: perform skilled tasks on a broadacre crop farm in managing and supervising the planting, cultivation, and harvest of broadacre crops.

Vineyard Supervisors *ANZSCO* code 363117: supervise aspects of vineyard operations including maintenance, pruning, harvest operations and disease and pest monitoring.

Senior Aquaculture, Crop and Forestry Workers nec *ANZSCO* code 363199: This occupation group covers Senior Aquaculture, Crop and Forestry Workers not elsewhere classified, including farm supervisors or specialists working on farms that involve two or more different commodity types not elsewhere classified.

Senior Beef Cattle Station Workers *ANZSCO* code 363211: perform skilled tasks on a beef cattle farm or station in managing and supervising the breeding, raising, feeding, treatment and welfare of cattle.

Senior Cattle and Sheep Farm Workers *ANZSCO* code 363212: perform skilled tasks on a cattle and sheep farm in managing and supervising the breeding, raising, feeding, treatment and welfare of a cattle and sheep.

Senior Dairy Cattle Farm Workers *ANZSCO* code 363213: perform skilled tasks on a dairy farm in managing and supervising the breeding, raising, droving, feeding, and milking of dairy cattle.

Senior Piggery Stockpersons *ANZSCO* code 363214: perform skilled tasks in a piggery in managing and supervising the breeding, farrowing, raising, feeding, treatment and welfare of pigs.

Senior Sheep Farm Workers *ANZSCO* code 363215: perform skilled tasks on a sheep farm or station in managing and supervising the breeding, raising, feeding, treatment and welfare of sheep.

Senior Livestock Farm Workers nec *ANZSCO* code 363299: This occupation group covers Senior Livestock Farm Workers not elsewhere classified.

#### Labourers major group

Cotton Farm Workers *ANZSCO* code 842211: perform routine tasks on a cotton farm such as cultivating and fertilising soil, and planting and irrigating crops. May spray pesticides on crops to treat disease and pests.

Fruit Farm Workers *ANZSCO* code 842212: perform routine tasks on a fruit farm such as cultivating and fertilising soil, and planting, irrigating, and pruning crops. May spray pesticides on crops to treat disease and pests. Fruit Pickers are included in Occupation 842213 Fruit Picker.

Fruit Pickers *ANZSCO* code 842213: harvest fruit (including table grapes) and prepare produce for distribution.

Nut Farm Workers *ANZSCO* code 842216: perform routine tasks on a nut farm such as cultivating and fertilising soil, and planting, irrigating, and pruning crops. May spray pesticides on crops to treat disease and pests.

Sugar Cane Farm Workers *ANZSCO* code 842217: perform routine tasks on a sugar cane farm such as cultivating and fertilising soil, and planting and irrigating crops. May spray pesticides on crops to treat disease and pests.

Cattle and Sheep Farm Workers *ANZSCO* code 842312: perform routine tasks on a cattle and sheep farm such as moving, feeding, counting, and assisting with animal husbandry.

Livestock Husbandry Workers *ANZSCO* code 842314: perform animal husbandry duties for livestock such as lamb marking, mulesing, vaccinating, drenching, foot paring and hoof care.

Piggery Farm Workers *ANZSCO* code 842315: assist with routine tasks on a pig farm such as breeding, farrowing, raising, feeding and animal husbandry.

Broadacre Crop and Livestock Farm Workers *ANZSCO* code 842411: perform routine tasks in broadacre crop cultivation and livestock production.

Irrigation Assistants *ANZSCO* code 843912: assist Irrigation Designers and Irrigation Technicians to install and service irrigation and/or fertigation systems.

Forestry and Garden Workers nec *ANZSCO* code 843999: This occupation group covers Forestry and Garden Workers not elsewhere classified, such as Bush Regenerator, Indoor Plant Technician, Seed Collector, and Weed Controller.

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Note: singular occupational titles have been made plural, to conform to the *Job Markets Australia* convention, and associated singular verbs have been made plural.