



**Commonwealth of Australia**

*Migration Regulations 1994*

**SPECIFICATION OF OCCUPATIONS**  
(SUBPARAGRAPHS 2.72(10)(a) and 2.72I(5)(b))

I, *CHRIS EVANS*, Minister for Immigration and Citizenship, acting under subparagraphs 2.72(10)(a) and 2.72I(5)(b) of the *Migration Regulations 1994* ('the Regulations'):

1. REVOKE Instrument number IMMI 09/094 signed on 10 September 2009; AND
2. SPECIFY for the purposes of subparagraph 2.72(10)(a) of the Regulations, the occupations listed at Schedule A for Subclass 457 (Business (Long Stay)) visas; AND
3. SPECIFY for the purposes of subparagraph 2.72I(5)(b) of the Regulations, that the nominated occupational training in respect of a Subclass 442 (Occupational Trainee) visa must be in relation to an occupation listed at Schedule A or Schedule B.

This instrument, IMMI 09/125, commences on the day after registration on the Federal Register of Legislative Instruments.

Dated 22 October 2009

Chris Evans  
Minister for Immigration and Citizenship

## Schedule A – Occupations for Subclass 442 and 457 arrangements

### 1 MANAGERS AND ADMINISTRATORS

1112-11 General Manager
1191-11 Construction Project Manager
1191-13 Project Builder
1192-11 Importer or Exporter
1192-13 Wholesaler
1193-11 Manufacturer
1211-11 Finance Manager
1212-11 Company Secretary
1213-11 Human Resource Manager
1221-11 Engineering Manager
1222-11 Production Manager (Manufacturing)
1222-13 Production Manager (Mining)
1223-11 Supply and Distribution Manager
1231-11 Sales and Marketing Manager
1291-11 Policy and Planning Manager
1292-11 Director of Nursing
1292-13 Medical Administrator
1293-11 School Principal
1293-13 Faculty Head
1293-15 Regional Education Manager
1294-13 Commissioned Fire Officer
1294-15 Commissioned Police Officer
1295-11 Child Care Co-ordinator
1296-11 Media Producer
1296-13 Artistic Director
1299-11 Research & Development Manager
1299-13 Laboratory Manager
1299-15 Welfare Centre Manager
1299-17 Environment, Parks and Land Care Manager
1299-19 Sports Administrator

## 2 PROFESSIONALS

2111-11 Chemist	2294-11 Management Consultant
2112-11 Geologist	2294-13 Organisation and Methods Analyst
2112-13 Geophysicist	2294-15 Quality Assurance Manager
2113-11 Anatomist or Physiologist	2295-11 Valuer
2113-13 Botanist	2295-13 Land Economist
2113-15 Zoologist	2299-11 Health Information Manager
2113-17 Biochemist	2299-13 Records Manager
2113-19 Marine Biologist	2299-15 Archivist
2114-11 Environmental Research Scientist	2299-17 Policy Analyst
2114-13 Forester	2299-19 Intelligence Officer
2114-15 Park Ranger	2311-11 General Medical Practitioner
2114-17 Soil Scientist	2311-81 Medical Practitioner in Training
2114-19 Agricultural Scientist	2312-11 Anaesthetist
2114-21 Agricultural Adviser	2312-13 Dermatologist
2115-11 Medical Scientist	2312-15 Emergency Medicine Specialist
2119-11 Physicist	2312-17 Obstetrician and Gynaecologist
2119-13 Meteorologist	2312-19 Ophthalmologist
2119-15 Extractive Metallurgist	2312-21 Paediatrician
2119-17 Physical Metallurgist	2312-23 Pathologist
2119-19 Materials Scientist	2312-25 Specialist Physician
2121-11 Architect	2312-27 Psychiatrist
2121-13 Landscape Architect	2312-29 Radiologist
2122-11 Quantity Surveyor	2312-31 Surgeon
2123-11 Cartographer	2321-11 Nurse Manager
2123-13 Surveyor	2322-11 Nurse Educator
2124-11 Civil Engineer	2322-13 Nurse Researcher
2125-11 Electrical Engineer	2323-11 Registered Nurse
2125-13 Electronics Engineer	2324-11 Registered Midwife
2126-11 Mechanical Engineer	2325-11 Registered Mental Health Nurse
2126-13 Production or Plant Engineer	2326-11 Registered Developmental Disability Nurse
2127-11 Mining Engineer (excluding Petroleum)	2381-11 Dentist
2127-13 Petroleum Engineer	2381-13 Dental Specialist
2127-15 Materials Engineer	2382-11 Hospital Pharmacist
2128-11 Civil Engineering Technologist	2382-13 Industrial Pharmacist
2128-13 Mechanical Engineering Technologist	2382-15 Retail Pharmacist
2128-15 Electrical or Electronics Engineering Technologist	2383-11 Occupational Therapist
2129-11 Aeronautical Engineer	2384-11 Optometrist
2129-13 Agricultural Engineer	2385-11 Physiotherapist
2129-15 Biomedical Engineer	2386-11 Speech Pathologist
2129-17 Chemical Engineer	2387-11 Chiropractor
2129-19 Industrial Engineer	2387-13 Osteopath
2129-21 Naval Architect	2388-11 Podiatrist
2211-11 Accountant	2391-11 Medical Diagnostic Radiographer
2212-11 External Auditor	2391-13 Radiation Therapist
2212-13 Internal Auditor	2391-15 Nuclear Medicine Technologist
2213-11 Corporate Treasurer	2391-17 Sonographer
2221-11 Public Relations Officer	2392-11 Veterinarian
2221-13 Marketing Specialist	2393-11 Dietician
2221-15 Market Research Analyst	2394-11 Naturopath
2221-17 Advertising Specialist	2394-13 Acupuncturist
2222-11 Sales Representative (Industrial Products)	2399-11 Audiologist
2222-13 Sales Representative (Information & Communication Products)	2399-13 Orthoptist
2222-15 Sales Representative (Medical & Pharmaceutical Products)	2399-15 Orthotist
2291-11 Personnel Officer	2411-11 Pre-Primary School Teacher
2291-13 Personnel Consultant	2412-11 Primary School Teacher
2291-15 Industrial Relations Officer	2413-11 Secondary School Teacher
2291-17 Training Officer	2414-11 Special Needs Teacher
2292-11 Librarian	2414-13 Teacher of the Hearing Impaired

2293-11 Mathematician	2414-15 Teacher of the Sight Impaired
2293-13 Statistician	2421-11 University Lecturer
2293-15 Actuary	2421-13 University Tutor
2422-11 Vocational Education Teacher	2534-19 Copywriter
2491-11 Art Teacher (Private)	2534-21 Technical Writer
2491-13 Music Teacher (Private)	2535-11 Author
2491-15 Dance Teacher (Private)	2535-13 Book Editor
2491-17 Drama Teacher (Private)	2535-15 Script Editor
2492-11 English as a Second Language Teacher	2536-11 Art Director (Film, Television or Stage)
2493-11 Education Officer	2536-13 Director (Film, Television, Radio or Stage)
2511-11 Social Worker	2536-15 Director of Photography
2512-11 Welfare Worker	2536-17 Film and Video Editor
2512-13 Community Worker	2536-19 Stage Manager
2513-11 Rehabilitation Counsellor	2536-21 Program Director (Radio or Television)
2513-13 Drug and Alcohol Counsellor	2536-23 Technical Director
2513-15 Family Counsellor	2537-11 Music Director
2513-17 Careers Counsellor	2537-13 Singer
2513-19 Student Counsellor	2537-15 Instrumental Musician
2514-11 Clinical Psychologist	2537-17 Composer
2514-13 Educational Psychologist	2538-11 Actor
2514-15 Organisational Psychologist	2538-13 Dancer or Choreographer
2521-11 Barrister	2539-11 Radio Presenter
2521-13 Solicitor	2539-13 Television Presenter
2522-11 Economist	2541-11 Aircraft Pilot
2523-11 Urban and Regional Planner	2541-13 Air Traffic Controller
2529-11 Historian	2541-15 Flight Service Officer
2529-13 Interpreter	2541-17 Flight Engineer
2529-15 Translator	2541-19 Flying Instructor
2531-11 Painter (Visual Arts)	2542-11 Ship's Master
2531-13 Sculptor	2542-13 Master Fisher
2531-15 Potter or Ceramic Artist	2542-15 Ship's Engineer
2532-11 Photographer	2542-17 Ship's Surveyor
2533-11 Fashion Designer	2542-19 Ship's Officer
2533-13 Graphic Designer	2543-11 Occupational Health and Safety Officer
2533-15 Industrial Designer	2543-13 Environmental Health Officer
2533-17 Interior Designer	2549-11 Conservator
2533-19 Illustrator	2549-13 Electorate Officer
2534-11 Editor	2549-15 Patents Examiner
2534-13 Print Journalist	2549-19 Recreation Officer
2534-15 Television Journalist	2549-21 Museum or Gallery Curator
2534-17 Radio Journalist	

### 3 ASSOCIATE PROFESSIONALS

3111-11 Medical Laboratory Technical Officer	3421-17 Disabilities Services Officer
3112-11 Chemistry Technical Officer	3421-19 Family Support Worker
3112-13 Earth Science Technical Officer	3491-11 Ambulance Officer
3112-15 Life Science Technical Officer	3491-13 Intensive Care Ambulance Paramedic
3112-17 Agricultural Technical Officer	3492-11 Dental Therapist
3121-11 Building Associate	3492-13 Dental Hygienist
3121-13 Architectural Associate	3492-15 Dental Technician
3121-15 Surveying and Cartographic Associate	3493-11 Aboriginal and Torres Strait Islander Health Worker
3121-17 Building Inspector	3494-11 Massage Therapist
3121-19 Plumbing Inspector	3911-01 Supervisor, Police Officers
3121-21 Plumbing Engineering Associate	3911-11 Police Officer
3122-11 Civil Engineering Associate	3991-11 Primary Products Inspector
3122-13 Civil Engineering Technician	3992-11 Safety Inspector
3123-11 Electrical Engineering Associate	3993-11 Jockey
3123-13 Electrical Engineering Technician	3993-13 Golfer
3124-11 Electronic Engineering Associate	3993-15 Footballer
3124-13 Electronic Engineering Technician	3993-17 Other Sportsperson
3125-11 Mechanical Engineering Associate	3993-19 Gymnastics Coach
3125-13 Mechanical Engineering Technician	3993-21 Tennis Coach
3129-11 Biomedical Engineering Associate	3993-23 Swimming Coach
3129-13 Metallurgical and Materials Technician	3993-25 Horseriding Coach
3129-15 Mine Deputy	3993-27 Other Sports Coach
3211-11 Branch Accountant (Financial Institution)	3993-29 Sports Development Officer
3211-13 Financial Institution Branch Manager	3993-31 Sports Umpire
3212-11 Stockbroking Dealer	3993-33 Horse or Dog Racing Official
3212-13 Futures Trader	3993-35 Other Sports Official
3212-15 Financial Market Dealer	3995-11 Senior Fire Fighter
3212-17 Commodities Trader	3996-11 Retail Buyer
3212-19 Insurance Broker	3997-11 Library Technician
3212-21 Bookmaker	3999-11 Interior Decorator
3213-11 Financial Investment Adviser	3999-13 Museum or Art Gallery Technician
3294-11 Computing Support Technician	3999-15 Radio Operator
3321-11 Restaurant and Catering Manager	3999-17 Private Investigator
3322-01 Head Chef	3999-19 Security Adviser
3322-11 Chef	
3323-11 Hotel or Motel Manager	
3324-11 Club Manager (Licensed Premises)	
3325-11 Caravan Park and Camping Ground Manager	
3329-11 Other Hospitality and Accommodation Managers	
3391-11 Fitness Centre Manager	
3391-13 Other Sports Centre Manager	
3391-15 Amusement Centre Manager	
3392-11 Customer Service Manager	
3393-11 Transport Company Manager	
3399-11 Post Office Manager	
3399-13 Railway Station Manager	
3399-15 Betting Agency Branch Manager	
3399-17 Hair and Beauty Salon Manager	
3399-19 Car Rental Agency Manager	
3399-21 Fleet Manager	
3399-23 Stock and Station Agent	
3399-25 Travel Agency Manager	
3399-27 Theatre or Cinema Manager	
3399-29 Funeral Director	
3411-11 Enrolled Nurse	
3421-11 Parole or Probation Officer	
3421-13 Youth Worker	
3421-15 Residential Care Officer	

#### 4 TRADESPERSONS AND RELATED WORKERS

4111-01 Supervisor, General Mechanical Engineering Tradespersons	4314-13 Electronic Instrument Tradesperson (Special Class)
4111-11 General Mechanical Engineering Tradesperson	4315-01 Supervisor, Electronic and Office Equipment Tradespersons
4112-01 Supervisor, Metal Fitters and Machinists	4315-11 Electronic Equipment Tradesperson
4112-11 Fitter	4315-13 Business Machine Mechanic
4112-13 Metal Machinist (First Class)	4316-01 Supervisor, Communications Tradespersons
4112-15 Textile, Clothing or Footwear Mechanic	4316-11 General Communications Tradesperson
4113-01 Supervisor, Toolmakers	4316-13 Communications Linesperson
4113-11 Toolmaker	4411-01 Supervisor, Carpentry and Joinery Tradespersons
4114-01 Supervisor, Aircraft Maintenance Engineers	4411-11 Carpenter and Joiner
4114-11 Aircraft Maintenance Engineer (Mechanical)	4411-13 Carpenter
4114-13 Aircraft Maintenance Engineer (Structures)	4411-15 Joiner
4114-15 Aircraft Maintenance Engineer (Avionics)	4412-01 Supervisor, Fibrous Plasterers
4115-01 Supervisor, Precision Metal Tradespersons	4412-11 Fibrous Plasterer
4115-11 Precision Instrument Maker and Repairer	4413-01 Supervisor, Roof Slaters and Tilers
4115-13 Watch and Clock Maker and Repairer	4413-11 Roof Slater and Tiler
4115-15 Locksmith	4414-01 Supervisor, Bricklayers
4115-17 Saw Maker and Repairer	4414-11 Bricklayer
4115-19 Gunsmith	4415-01 Supervisor, Solid Plasterers
4115-21 Engraver	4415-11 Solid Plasterer
4121-01 Supervisor, General Fabrication Engineering Tradespersons	4416-01 Supervisor, Wall and Floor Tilers and Stonemasons
4121-11 General Fabrication Engineering Tradesperson	4416-11 Wall and Floor Tiler
4122-01 Supervisor, Structural Steel and Welding Tradespersons	4416-13 Stonemason
4122-11 Metal Fabricator	4421-01 Supervisor, Painters and Decorators
4122-13 Pressure Welder	4421-11 Painter and Decorator
4122-15 Welder (First Class)	4422-01 Supervisor, Signwriters
4123-01 Supervisor, Forging Tradespersons	4422-11 Signwriter
4123-11 Blacksmith	4423-01 Supervisor, Floor Finishers
4123-13 Farrier	4423-11 Floor Finisher
4124-01 Supervisor, Sheetmetal Tradespersons	4431-01 Supervisor, Plumbers
4124-11 Sheetmetal Worker (First Class)	4431-11 General Plumber
4125-01 Supervisor, Metal Casting Tradespersons	4431-13 Gasfitter
4125-11 Metal Casting Tradesperson	4431-15 Drainer
4126-01 Supervisor, Metal Finishing Tradespersons	4431-17 Roof Plumber
4126-11 Metal Polisher	4431-19 Mechanical Services and Airconditioning Plumber
4126-13 Electroplater (First Class)	4512-01 Supervisor, Bakers and Pastrycooks
4211-01 Supervisor, Motor Mechanics	4512-11 Baker
4211-11 Motor Mechanic	4512-13 Pastrycook
4212-01 Supervisor, Automotive Electricians	4513-11 Cook
4212-11 Automotive Electrician	4519-11 Miller
4213-01 Supervisor, Panel Beaters	4519-13 Buttermaker or Cheesemaker
4213-11 Panel Beater	4519-15 Confectioner
4214-01 Supervisor, Vehicle Painters	4611-11 Farm Overseer
4214-11 Vehicle Painter	4612-11 Shearer
4215-01 Supervisor, Vehicle Body Makers	4613-11 Wool Classer
4215-11 Vehicle Body Maker	4613-13 Hide and Skin Classer
4216-01 Supervisor, Vehicle Trimmers	4614-11 Horse Trainer
4216-11 Vehicle Trimmer	4621-11 Nurseryperson
4311-01 Supervisor, Electricians	4622-11 Greenkeeper
4311-11 General Electrician	4623-01 Head Gardener
4311-13 Electrician (Special Class)	4623-11 General Gardener
4311-15 Lift Mechanic	4623-13 Landscape Gardener
4312-01 Supervisor, Refrigeration and Airconditioning Mechanics	4623-15 Tree Surgeon
4312-11 Refrigeration and Airconditioning Mechanic	4911-11 Graphic Pre-Press Tradesperson
4313-01 Supervisor, Electrical Distribution Tradespersons	4912-11 Printing Machinist
4313-11 Electrical Powerline Tradesperson	4912-13 Small Offset Printer
4313-13 Cable Jointer	4913-11 Binder and Finisher
4314-01 Supervisor, Electronic Instrument Tradespersons	4914-11 Screen Printer
4314-11 General Electronic Instrument Tradesperson	4921-11 Wood Machinist (A-Grade)

4921-13 Wood Turner
4922-01 Supervisor, Cabinetmakers
4922-11 Cabinetmaker
4929-11 Picture Framer
4929-13 Furniture Finisher
4931-01 Supervisor, Hairdressers
4931-11 Hairdresser
4941-11 General Clothing Tradesperson
4941-13 Tailor
4941-15 Dressmaker
4941-17 Apparel Cutter
4941-19 Patternmaker-Grader (Clothing)
4942-11 Furniture Upholsterer
4943-11 Shoemaker
4943-13 Medical Grade Shoemaker
4944-11 Leather Goods Maker
4944-13 Canvas Goods Maker
4944-15 Sail Maker
4981-11 Shipwright
4981-13 Boat Builder and Repairer
4982-11 Flat Glass Tradesperson
4982-13 Glass Blower
4983-11 Jeweller
4983-13 Gem Cutter and Polisher
4984-11 Florist
4985-11 Fire Fighter
4986-01 Supervisor, Drillers
4986-11 Driller
4987-01 Supervisor, Chemical, Petroleum and Gas Plant Operators
4987-11 Chemical Plant Operator
4987-13 Petroleum and Gas Plant Operator
4988-01 Supervisor, Power Generation Plant Operators
4988-11 Power Generation Plant Operator
4992-11 Sound Technician
4992-13 Camera Operator (Film, Television or Video)
4992-15 Television Equipment Operator
4992-17 Broadcast Transmitter Operator
4992-19 Motion Picture Projectionist
4992-21 Light Technician
4992-23 Production Assistant (Film, Television or Radio)
4992-25 Production Assistant (Theatre)
4992-27 Make Up Artist
4999-11 Optical Mechanic
4999-13 Diver
4999-15 Aircraft Safety Equipment Worker
4999-17 Piano Tuner

## OTHER – MANAGERS

### ICT Managers

ICT Managers plan, organise, direct, control and coordinate the acquisition, development, maintenance and use of computer and telecommunication systems within organisations.

Occupations in the ICT Managers category include:

1224-11 ICT Managers

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience may substitute for the formal qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification

Tasks include:

- analysing information needs and specifying technology to meet those needs
- formulating and directing information and communication technology (ICT) strategies, policies and plans
- directing the selection and installation of ICT resources and the provision of user training
- directing ICT operations and setting priorities between system developments, maintenance and operations
- overseeing the security of ICT systems

### Education Managers not elsewhere classified

Education Managers plan, organise, direct, control and coordinate educational policy, and provide advice and educational and administrative support to staff and students in educational institutions.

Occupations in the not elsewhere classified category for Education Managers include:

1293-79 Project Coordinator (Education)

1293-79 TAFE Registrar

1293-79 University Registrar

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification and at least five years of relevant experience. In some instances relevant experience may substitute for the formal qualification

Tasks include:

- coordinating the educational, administrative and financial affairs of an educational institution or department within the institution
- researching, developing, implementing, reviewing and evaluating educational and administrative policy
- liaising between educational institutions, parents and the wider community
- providing advice on policy and procedures to staff and students
- consulting with academic and administrative staff to coordinate educational programs
- identifying and addressing present and future needs for student and staff development
- researching educational systems and monitoring and evaluating new developments
- researching and reporting on students' needs arising from curriculum implementation
- developing and delivering training programs for teachers.

### Specialist Managers not elsewhere classified

Specialist Managers plan, organise, direct, control and coordinate the operations of a discrete function, system or program within an organisation.

Occupations in the not elsewhere classified category for Specialist Managers include:

1299-79 Archbishop

1299-79 Arts Administrator or Manager

1299-79 Airport Manager

1299-79 Bishop

1299-79 Harbour Master

1299-79 Environmental Manager

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification or at least five years of relevant experience. In some instances relevant experience may be required in addition to the formal qualification.

Tasks include:

- developing, implementing and monitoring strategies, policies and plans for their area of control
- establishing and directing operational and administrative procedures
- directing and coordinating the allocation of resources
- monitoring work progress and performance, and adjusting processes and resources to keep goals on track
- controlling budget planning and report preparation, and monitoring and controlling expenditure for their area of control
- controlling selection, training and performance of staff
- representing the organisation in negotiations, and at conventions, seminars, public hearings and forums.

### Farmers and Farm Managers

Farmers and Farm Managers plan, organise, control, coordinate and perform farming operations in agricultural establishments to grow crops, and breed and raise livestock, and fish and other aquatic life.

Occupations in the Farmers and Farm Managers category include:

1311-11 Mixed Crop and Livestock Farmers

1312-79 Livestock Farmers

1313-79 Crop Farmers

1314-11 Aquaculture Farmers

Most occupations in this sub-major group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience may substitute for the formal qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification.

Tasks include:

- planning and coordinating the operation of hatcheries and crop production
- breeding and raising livestock and aquatic stock
- monitoring and maintaining the health of stock
- identifying and controlling environmental toxins, weeds, pests and diseases
- organising and conducting farming operations such as maintaining buildings, water supply systems and equipment
- managing business capital, monitoring market activity and planning production to meet contract requirements and market demand

## OTHER – ICT PROFESSIONALS

ICT Professionals perform analytical, conceptual and practical tasks which support the efficient and secure provision of information and communication technology (ICT) services to government, commercial and industrial organisations, and individuals.

Most occupations in this sub-major group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience and/or relevant vendor certification may substitute for the formal qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification

### Occupations in the ICT Professionals category include:

2231-11 Database and Systems Administrators

2231-21 ICT Security Specialists

#### Tasks include:

- designing and maintaining database architecture, data structures, tables, dictionaries and naming conventions to ensure the accuracy and completeness of all data master files
- performing the operational establishment and preventive maintenance of backups, recovery procedures, and enforcing security and integrity controls
- implementing and administering database documentation, guidelines, policies and procedures
- testing database systems and upgrades, such as debugging, tracking, reproduction, logging and resolving all identified problems, according to approved quality testing scripts, procedures and processes
- accepting responsibility for the processes, procedures and operational management associated with system security and disaster recovery planning
- liaising with security vendors, suppliers, service providers and external resources; analysing, recommending, installing and maintaining software security applications; and monitoring contractual obligations, performance delivery and service level agreements
- troubleshooting and providing service support in diagnosing, resolving and repairing server-related hardware and software malfunctions, encompassing workstations and communication infrastructure
- preparing and maintaining documentation, policies and instructions, and recording and detailing operational procedures and system logs
- ensuring that the design of computer sites allows all components to fit together and work properly, and monitoring and adjusting the performance of networks
- continually surveying the current computer site to determine future network needs and making recommendations for enhancements in the implementation of future servers and networks

2231-13 ICT Business and Systems Analyst

#### Tasks include:

- working with users to formulate and document business requirements
- identifying, investigating, and analysing business processes, procedures and work practices
- identifying and evaluating inefficiencies and recommending optimal business practices, and system functionality and behaviour
- using project management methodologies, principles and techniques to develop project plans and to cost, resource and manage projects
- taking responsibility for deploying functional solutions, such as creating, adopting and implementing system test plans, which ensure acceptable quality and integrity of the system
- creating user and training documentation, and conducting formal training classes
- developing functional specifications for use by system developers
- using data and process modelling techniques to create clear system specifications for the design and development of system software
- acting as a central reference and information source, providing guidance and assistance in the system project decision making process

### Occupations in the ICT Professionals category (continued)

2231-15 Software Engineer

2231-17 Developer, Software and Applications Programmer

#### Tasks include:

- researching, consulting, analysing and evaluating system program needs
- identifying technology limitations and deficiencies in existing systems and associated processes, procedures and methods
- testing, debugging, diagnosing and correcting errors and faults in an applications programming language within established testing protocols, guidelines and quality standards to ensure programs and applications perform to specification
- writing and maintaining program code to meet system requirements, system designs and technical specifications in accordance with quality accredited standards
- writing, updating and maintaining technical program, end user documentation and operational procedures
- providing advice, guidance and expertise in developing proposals and strategies for software design activities such as financial evaluation and costings for recommending software purchases and upgrades
- analysing, designing and developing Internet sites applying a mixture of artistry and creativity with software programming and scripting languages and interfacing with operating environments
- designing and developing digital animations, imaging, presentations, games, audio and video clips, and Internet applications using multimedia software, tools and utilities, interactive graphics and programming languages
- communicating with network specialists regarding web-related issues, such as security and hosting web sites, to control and enforce Internet and web server security, space allocation, user access, business continuity, web site backup and disaster recovery planning
- designing, developing and integrating computer code with other specialised inputs, such as image files, audio files and scripting languages, to produce, maintain and support web sites
- assisting in analysing, specifying and developing Internet strategies, web-based methodologies and development plans

2231-79 ICT Professionals not elsewhere classified

#### Tasks include:

- developing and documenting strategies, policies and procedures relating to the use of ICT technologies and services
- planning, analysing, designing, developing, implementing, testing, operating, maintaining and assisting with the use of technologies and services that enable information, such as voice, image and data, to be accessed, networked, stored, processed, transformed, manipulated and transmitted over a variety of media
- assessing the performance of ICT technologies and services, identifying limitations and inefficiencies, and recommending and implementing solutions
- providing troubleshooting and service support in diagnosing, resolving and correcting problems associated with the use of ICT technologies and service

## OTHER PROFESSIONALS

### Life Scientists not elsewhere classified

Life Scientists examine the anatomy, physiology and biochemistry of humans, animals, plants and other living organisms to better understand how living organisms function and interact with each other and the environment in which they live.

Occupations in the not elsewhere classified category for Life Scientists include:

2113-79 Animal Behaviourist  
2113-79 Parasitologist  
2113-79 Pharmacologist (Non-clinical)  
2113-79 Toxicologist  
2113-79 Microbiologist (including Bacteriologist)  
2113-79 Biotechnologist (including Cell Geneticist; Molecular Biologist & Geneticist)

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification.

Tasks include:

- designing and conducting experiments, making observations and measurements, researching information, analysing data, preparing or supervising the preparation of laboratory reports and scientific papers, presenting findings at scientific meetings and conferences, and supervising the work of staff
- studying the forms and structures of bodily organs and tissues by systematic observation, dissection and microscopic examination
- investigating the chemical structure and function of living cells and their isolated components, organs and tissues in humans, animals, plants, and micro-organisms
- examining micro-organisms, such as bacteria, fungi, yeast and their enzymes, and using the knowledge gained to create and develop new, and improve existing, products, materials and processes
- investigating the effects of environmental factors, such as rainfall, temperature, sunlight, soil, topography and disease, on plant growth
- planning and undertaking experiments to study, measure and understand marine animals and plants
- studying the growth and characteristics of micro-organisms, such as bacteria, algae and fungi, and the effects they have on plants, animals and humans to develop medical, veterinary, industrial, environmental and other practical applications
- investigating the interrelationships between animals in their natural surroundings, in captivity and in laboratories.

### Environmental and Agricultural Science Professionals not elsewhere classified

Environmental scientists study, develop, implement and advise on policies and plans for managing and protecting the environment, flora, fauna and other natural resources.

Agricultural scientists advise farmers, rural industries and government on aspects of farming, develop techniques for increasing productivity, and study and develop plans and policies for the management of forest areas. Food and Wine scientists study the chemical and physical properties of substances, develop and monitor chemical processes and production, develop new and improve existing food products, and plan and coordinate the production of wine and spirits.

Occupations in the not elsewhere classified category for Environmental and Agricultural Science Professionals include:

2114-79 Environmental Consultant  
2114-79 Aquaculture Consultant  
2114-79 Environmental Auditor  
2114-79 Conservation Officer / Environmental Officer  
2114-79 Wine Maker / Oenologist

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification.

Tasks include:

- evaluating habitat, wildlife and fisheries needs, and formulating short- and long-term management goals and objectives
- enforcing laws and regulations to conserve and protect fish and wildlife
- carrying out environmental impact assessments for a wide range of development projects
- proposing solutions to address negative environmental impact
- studying the effects of factors, such as terrain, altitude, climatic and environmental change, sources of nutrition, predators and the impacts of humans, on animal and plant life
- studying and analysing pollution, atmospheric conditions, demographic characteristics, ecology, mineral, soil and water samples
- developing conservation and management policies for biological resources, such as fish populations and forests, and establishing standards and developing approaches for the control of pollution and the rehabilitation of areas disturbed by activities such as mining, timber felling and overgrazing
- implementing policies and organising activities in designated parks and other areas to conserve and protect natural and cultural heritage
- participating in management planning by providing environmental information and making inventories of plants, animals and items of cultural and heritage significance.

<p><b>Natural and Physical Science Professionals not elsewhere classified</b> Occupations in the not elsewhere classified category for Natural and Physical Science Professionals include: 2119-79 Ceramics Scientist 2119-79 Exercise Physiologist 2119-79 Mineral Processing Engineer 2119-79 Polymer Scientist 2119-79 Sports Scientist</p> <p>Most occupations in this minor group have a level of skill commensurate with a bachelor degree or higher qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification.</p> <p>Tasks include:</p> <ul style="list-style-type: none"> <li>- advising farmers on techniques for improving crop and livestock production</li> <li>- conducting experiments and tests to identify the chemical composition and reactive properties of natural substances and processed materials</li> <li>- developing conservation and management policies for biological resources, such as fish populations and forests, and establishing standards and developing approaches for the control of pollution and the rehabilitation of areas disturbed by activities such as mining, timber felling and overgrazing</li> <li>- conducting studies of minerals and the nature and formation of the earth's crust, and carrying out mineral exploration</li> <li>- studying the forms and structures of organs and tissues of the body by systematic observation, dissection and microscopic examination</li> <li>- investigating the effects of environmental factors, such as rainfall, temperature, sunlight, soil, topography and disease, on plant and animal growth</li> <li>- analysing samples of body tissue and fluids to develop techniques to aid in the diagnosis and treatment of diseases</li> <li>- treating animals medically and surgically, and administering and prescribing drugs, analgesics, and general and local anaesthetics for animals</li> <li>- conducting experiments to discover and develop industrial, medical and other practical applications of physics</li> <li>- studying and applying chemical and metallurgical techniques for extracting and refining metallic materials from their ores and concentrates.</li> </ul>	<p><b>Building and Engineering Professionals not elsewhere classified</b> Engineering Professionals design, plan and organise the testing, construction, installation and maintenance of structures, machines and their components, and production systems and plants, and plan production schedules and work procedures to ensure engineering projects are undertaken efficiently and in a cost effective manner.</p> <p>Occupations in the not elsewhere classified category for Building and Engineering Professionals include: 2129-79 Mechatronics Engineer 2129-79 Product Design Engineer 2129-79 Environmental Engineer 2129-79 Geotechnical Engineer 2129-79 Structural Engineer 2129-79 Transport Engineer 2129-79 Engineering Technologist</p> <p>Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification. Registration or licensing may be required.</p> <p>Tasks include:</p> <ul style="list-style-type: none"> <li>- performing and supervising engineering work concerned with the design, development, manufacture, maintenance and modification of aircraft for flight</li> <li>- performing and supervising engineering work related to the use and development of agricultural land, buildings, machines and equipment.</li> <li>- applying knowledge and methodology of physics, engineering, mathematics, computing, physical chemistry and materials science to problems in biology and the treatment and prevention of human disease.</li> <li>- analysing and modifies new and existing engineering technologies and applies them in the testing and implementation of engineering projects.</li> <li>- assessing the impact on air, water, soil and noise levels in the vicinity of engineering projects, plans and designs equipment and processes for the treatment and safe disposal of waste material, and assesses what may cause problems for the environment in the long-term.</li> </ul>
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**Business and Information Professionals not elsewhere classified**

Business and Information Professionals support organisations, government, individuals and the community by analysing, organising and managing information and data, and by providing advice on policy, business and organisational methods, and the value of property and other items.

Occupations in the not elsewhere classified category for Business and Information Professionals include:

2299-79 Liaison Officer  
 2299-79 Epidemiologist  
 2299-79 Procedures Analyst

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience may substitute for the formal qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification. Registration or licensing may be required.

Tasks include:

- managing the electorate office of a politician, and liaises with constituents and the media on their behalf.
- investigating and reporting on patent applications to assess their compliance with the requirements of the Patents
- applying mathematical, statistical and actuarial principles and techniques to a range of tasks
- developing, organising and maintaining libraries and other information keeping services
- reviewing and analysing economic data and preparing reports
- managing the collection and processing of information and data to produce intelligence, and analysing and advising on policy options
- assessing the value of land, property and other items, and providing advice on the administration, and commercial and operational use of land and property
- studying organisational structures and methods to solve organisational problems and achieve greater efficiency.

**Health Professionals not elsewhere classified**

Occupations in the not elsewhere classified category for Health Professionals include:

2399-79 Complementary Health Therapists

Occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. Registration or licensing may be required.

Tasks include:

- assessing patients to determine the nature of the disorder, illness, problem or need by questioning, examining and observing
- developing and implementing treatment plans using applications such as acupuncture, homeopathic and herbal medicine, and dance, drama, hypnotic and music therapies
- evaluating and documenting patients' progress through treatment plans
- providing dietary and lifestyle advice and guidelines.

**Specialist Medical Practitioners not elsewhere classified**

Occupations in the not elsewhere classified category for Specialist Medical Practitioners include:

2312-79 Occupational Medicine Specialist  
 2312-79 Public Health Physician  
 2312-79 Internal Medicine Specialists  
 2312-79 Sports Physician

Occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification, two years hospital-based training, and at least five years specialist study and training. Registration or licensing is required.

Tasks include:

- examining patients to establish the nature of their complaints, and performing and ordering tests, X-rays and other diagnostic procedures
- determining diagnosis based on examination and results of tests
- selecting and administering appropriate treatments and therapies, and advising patients of further treatment options and preventative and therapeutic measures
- prescribing, administering, preparing and dispensing medication and prosthetic and corrective devices
- monitoring patients' progress and response to treatment
- recording patients' illnesses, treatment given and patients' responses and progress
- advising on diet, exercise and other measures to prevent and aid treatment of diseases and disorders

**Special Education Teachers not elsewhere classified**

Occupations in the not elsewhere classified category for Special Education Teachers include:

- 2414-79 Aboriginal Teacher
- 2414-79 Distant education Teacher
- 2414-79 Migrant Teacher

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification.

Registration or licensing is required.

Tasks include:

- assessing students' abilities and limitations with regard to intellectual, physical, social and emotional
- disabilities, exceptional intellectual gifts, or specific problems of language and culture
- planning, organising and implementing special programs to provide remedial or advanced tuition
- administering various forms of assessment and interpreting the results
- teaching basic academic subjects, and practical and self-help skills to hearing and sight impaired students
- devising instructional materials, methods and aids to assist in training and rehabilitation
- advising, instructing and counselling parents and teachers on the availability and use of special techniques
- stimulating and developing interests, abilities, manual skills and coordination
- conferring with other staff members to plan and schedule lessons for special needs students
- preparing and maintaining student data and other records and submitting reports.

**Psychologists not elsewhere classified**

Psychologists investigate, assess and provide treatment and counselling to foster optimal personal, social, educational and occupational adjustment and development.

Occupations in the not elsewhere classified category for Psychologists include:

- 2514-79 Community Psychologist
- 2514-79 Counselling Psychologist
- 2514-79 Sports Psychologist

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification. Registration or licensing may be required.

Tasks include:

- collecting data about clients and assessing their cognitive, behavioural and emotional disorders
- administering and interpreting diagnostic tests and formulating plans for treatment
- developing, administering and evaluating individual and group treatment programs
- consulting with other professionals on details of cases and treatment plans
- conducting research studies of motivation in learning, group performance and individual differences in mental abilities and educational performance
- collecting data and analysing characteristics of students and recommending educational programs
- formulating achievement, diagnostic and predictive tests for use by teachers in planning methods and content of instruction
- developing interview techniques, psychological tests and other aids in workplace selection, placement, appraisal and promotion
- conducting surveys and research studies on job design, work groups, morale, motivation, supervision and management
- performing job analyses and establishing job requirements by observing and interviewing employees and managers.

**Counsellors not elsewhere classified**

Occupations in the not elsewhere classified category for Counsellors include:

- 2513-79 Grief Counsellor
- 2513-79 Rape Crisis Counsellor
- 2513-79 Trauma Counsellor
- 2513-79 Gambling Counsellor

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification.

Tasks include:

- working with clients on career, study and employment options by obtaining and examining information
- relevant to their abilities and needs
- providing information and resources to assist clients with job-seeking skills
- assessing client needs in relation to treatment for drug and alcohol abuse
- conducting counselling interviews with individuals, couples and family groups
- assisting the understanding and adjustment of attitudes, expectations and behaviour to develop more effective interpersonal and marital relationships
- presenting alternative approaches and discussing potential for attitude and behaviour change
- consulting with clients to develop rehabilitation plans taking account of vocational and social needs
- contributing information, understanding and advice on the learning and behaviour of students, especially those with special needs, and assisting parents and teachers in dealing with these needs
- may work in a call centre.

**Legal Professionals not elsewhere classified**

Occupations in the not elsewhere classified category for Legal Professionals include:

- 2521-79 Administrative Lawyer
- 2521-79 Law Researcher
- 2521-79 Legal Officer
- 2521-79 Parliamentary Counsel
- 2521-79 Patent Attorney
- 2521-79 Judicial Registrar
- 2521-79 Trade Mark Attorney

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification and at least five years of relevant experience. Judges require appointment by the government or crown and must have been a Magistrate or an experienced legal practitioner of at least seven years standing. Magistrates must have been a legal practitioner of at least five years standing.

Registration or licensing may be required.

Tasks include:

- researching statutes and previous court decisions relevant to cases
- calling and questioning witnesses
- hearing and evaluating arguments and evidence in civil and criminal summary matters
- preparing settlement memoranda and obtaining signatures of parties
- advising government of legal, constitutional and parliamentary matters and drafting bills and attending committee meetings during consideration of bills
- advising clients and agents on legal and technical matters.

**Social Professionals not elsewhere classified**

Social Professionals research and study human behaviour, society and institutions from current and historical perspectives, and verbally render spoken statements, and transcribe text and recorded spoken material from one language into another.

Occupations in the not elsewhere classified category for Social Professionals include:

2529-79 Anthropologist  
 2529-79 Archaeologist  
 2529-79 Criminologist  
 2529-79 Linguist  
 2529-79 Political Scientist  
 2529-79 Prehistorian  
 2529-79 Sociologist  
 2529-79 Ethnographer  
 2529-79 Geographer  
 2529-79 Heritage Consultant  
 2529-79 Parole Board Member  
 2629-79 Transport Analyst

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification.

Tasks include:

- assembling historical data by consulting sources of information such as historical indexes and catalogues, archives, court records, diaries, newspaper files and other materials
- organising, authenticating, evaluating and interpreting historical, political, sociological, anthropological and linguistic data
- undertaking historical and cultural research into human activity, and preparing and presenting research findings
- providing simultaneous and consecutive verbal or signed renditions of speeches into another language
- rendering the meaning and feeling of what is said and signed into another language in the appropriate register and style in a range of settings such as courts, hospitals, schools, workplaces and conferences
- studying original texts and transcripts of recorded spoken material to comprehend subject matter and translating them into another language
- rendering the meaning and feeling of written material, such as literary, legal, technical and scientific texts, into another language in the appropriate register and style, so that it will read as an original piece rather than as a translation.

**Visual Arts and Crafts Professionals not elsewhere classified**

Visual Arts and Crafts Professionals create visual two- and three-dimensional concepts and forms through painting, drawing, carving, sculpting, modelling, printmaking, video, multimedia, found objects, ephemera, soundscapes and other media to communicate concepts and ideas.

Occupations in the not elsewhere classified category for Visual Arts and Crafts Professionals include:

2531-79 Leadlighter  
 2531-79 Multimedia Artist  
 2531-79 Textile Artist  
 2531-79 Ephemeral  
 2531-79 New Media Artist

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience may substitute for the formal qualification. Some occupations in this unit group require high levels of creative talent or personal commitment and interest as well as, or in place of, formal qualifications or experience.

Tasks include:

- conceiving and developing ideas, designs and styles for paintings, drawings, pottery pieces and sculptures
- arranging objects, positioning models, and selecting landscapes and other visual forms according to
- chosen subject matter
- selecting artistic media, method and materials
- applying media to surfaces using appropriate techniques
- moulding clay into functional and artistic articles by wheel-throwing, moulding and hand-building
- mixing glazing materials and applying glazes to dried pottery by dipping and painting
- placing finished and decorated pieces in kilns
- sketching designs of proposed sculptures, and making wax and plaster models
- devising forms from metal using welding and metalworking equipment, and from stone using masonry tools
- carving and forming materials to desired shape using hand and power tools.

<p><b>Journalists and Related Professionals not elsewhere classified</b> Occupations in the not elsewhere classified category for Journalists and Related Professionals include: 2534-79 Critic 2534-79 Editorial Assistant 2534-79 Essayist 2534-79 Blogger</p> <p>Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience may substitute for the formal qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification.</p> <p>Tasks include:</p> <ul style="list-style-type: none"> <li>- determining advertising approach by consulting clients and management, and studying products to establish principal selling features</li> <li>- writing advertisements for press, radio, television, cinema screens, billboards, catalogues and shop displays</li> <li>- making decisions about the specific content of publications in conjunction with other senior editors and in accordance with editorial policies and guidelines</li> <li>- reviewing copy for publication to ensure conformity with accepted rules of grammar, style and format, coherence of story, and accuracy, legality and probity of content</li> <li>- collecting and analysing facts about newsworthy events from interviews, printed matter, investigations and observations</li> <li>- writing news reports, commentaries, articles and feature stories for newspapers, magazines, journals, television and radio on topics of public interest</li> <li>- researching and writing technical, information-based material and documentation for manuals, text books, handbooks and multimedia products</li> <li>- critically discussing daily news topics in the editorial columns of newspapers and reviewing books, films and plays.</li> </ul>	<p><b>Film, Television, Radio and Stage Directors not elsewhere classified</b> Occupations in the not elsewhere classified category for Film, Television, Radio and Stage Directors include: 2536-79 Casting Director 2536-79 Lighting director 2536-79 Video Producer 2536-79 Location Manager (Film or Television)</p> <p>Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience may substitute for the formal qualification. Some occupations in this unit group require high levels of creative talent or personal commitment and interest as well as, or in place of, formal qualifications or experience.</p> <p>Tasks include:</p> <ul style="list-style-type: none"> <li>- studying scripts and scenarios to determine theme and setting</li> <li>- assessing locations and staging requirements for productions in association with specialist designers</li> <li>- overseeing creative aspects of film, television, radio and stage productions</li> <li>- determining lighting, film, shutter angles, filter factors, camera distance, depth of field and focus, angles of view and other variables to achieve desired mood and effect</li> <li>- viewing film and video tape to evaluate and select scenes and determine which scenes need to be re-shot</li> <li>- planning and organising the preparation and presentation of programs</li> <li>- supervising the positioning of scenery, props and lighting and sound equipment</li> <li>- assessing technical requirements of productions by studying scripts and discussing program content, set locations and stage directions with production team</li> <li>- creating, planning, writing scripts for, recording, videotaping and editing programs.</li> </ul>
<p><b>Musicians and Related Professionals not elsewhere classified</b> Occupations in the not elsewhere classified category for Musicians and Related Professionals include: 2537-79 Ethnomusicologist 2537-79 Music Copyist 2537-79 Music Researcher</p> <p>Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience may substitute for the formal qualification. Some occupations in this unit group require high levels of creative talent or personal commitment and interest as well as, or in place of, formal qualifications or experience.</p> <p>Tasks include:</p> <ul style="list-style-type: none"> <li>- creating melodic, harmonic and rhythmic structures to express ideas and emotions in musical form</li> <li>- translating ideas and concepts into standard musical signs and symbols for reproduction and performance</li> <li>- undertaking research and liaising with clients when composing musical backing for television commercials, popular recordings, and radio, television and film productions</li> <li>- auditioning and selecting musicians and Singers</li> <li>- selecting music for performances and assigning instrumental parts to musicians</li> <li>- directing musical groups at rehearsals and performances to achieve desired effects such as tonal and harmonic balance, rhythm and tempo</li> <li>- studying and rehearsing repertoire and musical scores prior to performances</li> <li>- playing music in recital, as an accompanist, or as a member of an orchestra, band or other musical group, from score and by memory</li> <li>- performing music and songs according to interpretation, direction and style of presentation, using highly developed aural skills to reproduce music.</li> </ul>	<p><b>Actors, Dancers and Related Professionals not elsewhere classified</b> Occupations in the not elsewhere classified category for Actors, Dancers and Related Professionals include: 2538-79 Circus Artist 2538-79 Comedian 2538-79 Magician 2538-79 Stunt Performer 2538-79 Ventriloquist 2538-79 Disc jockey (Nightclub) 2538-79 Motivational Speaker 2538-79 Performance Artist 2538-79 Public Speaker</p> <p>Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience may substitute for the formal qualification. Some occupations in this unit group require high levels of creative talent or personal commitment and interest as well as, or in place of, formal qualifications or experience.</p> <p>Tasks include:</p> <ul style="list-style-type: none"> <li>- reading scripts and undertaking research to gain understanding of parts, themes and characterisations</li> <li>- learning lines and cues, rehearsing parts, and applying vocal and movement skills to the development of characterisation</li> <li>- preparing for performances through rehearsals under the instruction and guidance of production directors</li> <li>- acting parts and portraying roles as developed in rehearsals in film, television, radio and stage productions</li> <li>- practising dance routines and interpreting the choreographic content of the production</li> <li>- performing dances for audience entertainment, coordinating body movements and facial expression, usually with musical accompaniment</li> <li>- composing and notating ballet compositions and other dance routines</li> <li>- creating and performing individual performance routines</li> <li>- rehearsing, auditioning and travelling between entertainment venues.</li> </ul>

**Air Transport Professionals not elsewhere classified**

Occupations in the not elsewhere classified category for Air Transport Professionals include:

- 2541-79 Airborne Electronics Analyst
- 2541-79 Aircraft Navigator
- 2541-79 Air Defence Officer
- 2541-79 Air Observer (Rescue)
- 2541-79 Airworthiness surveyor
- 2541-79 Flight Engineer Inspector
- 2541-79 Balloonist

Most occupations in this unit group have a level of skill commensurate with an AQF Diploma or higher qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification. Aeroplane and Helicopter Pilots require a prescribed minimum amount of flying experience in addition to the formal qualification. Registration or licensing is required.

Tasks include:

- preparing and submitting flight plans giving consideration to factors such as weather conditions and aircraft performance
- flying aircraft in accordance with established air traffic control and aircraft operating procedures
- providing flight information for flight crews and air traffic services staff
- controlling aircraft movements, and directing aircraft taxiing, take-offs and landings by radio
- providing pre-flight briefings and aeronautical information services
- completing cockpit preparations and external inspections to determine that aircraft are acceptable for flight
- monitoring aircraft performance and reporting on mechanical condition
- giving in-flight instruction, supervising solo flights, accompanying students on training flights and demonstrating techniques for controlling aircraft.

**Sea Transport Professionals not elsewhere classified**

Occupations in the not elsewhere classified category for Sea Transport Professionals include:

- 2542-79 Marine Certification and Surveillance Manager
- 2542-79 Marine Safety Officer
- 2542-79 Ship's Pursuer

Most occupations in this unit group have a level of skill commensurate with an AQF Diploma or higher qualification. Ship's Engineers and Ship's Surveyors require a bachelor degree or higher qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification. Registration or licensing is required.

Tasks include:

- directing fishing operations by using knowledge about the species sought, fishing areas, seasons and the capabilities of the vessel and crew
- directing crew in catching fish, molluscs and crustacea at varying depths using nets, lines, poles, pots and traps
- planning, controlling and coordinating the operational and maintenance requirements of a ship's propulsion and domestic plant and equipment
- operating plant and equipment and performing routine maintenance on ship's systems including mechanical, electrical, hydraulic, pneumatic, steam generating, and fire prevention and control systems
- controlling and directing shipping operations to ensure the safe and efficient loading and transport of cargo and passengers
- ensuring compliance with regulations pertaining to safety at sea and protection of the marine environment
- directing the activities of the deck crew for navigational support tasks, berthing and unberthing,
- maintenance, cleaning and painting of superstructures, and repair and replacement of defective deck gear and equipment
- navigating a ship by supervising the ship's course and speed according to predetermined passage plans and safety procedures
- examining and approving design plans of hulls and equipment such as main propulsion engines, auxiliary boilers and turbines, electrical power generating plant, refrigeration and air-conditioning plant and pumping systems
- conducting periodic surveys throughout a ship's life to ensure standards are maintained.

## OTHER – ASSOCIATE PROFESSIONALS

### Medical Technical Officers not elsewhere classified

Medical Technicians operate anaesthetic, cardiac, operating theatre and medical testing equipment, perform and assist with laboratory tests, and fill prescriptions in support of Health Professionals.

Occupations in the not elsewhere classified category for Medical Technical Officers include:

3111-79 Mammography Technician  
3111-79 Sleep Technician  
3111-79 Perfusionist  
3111-79 Orthotic and Prosthetic Technician  
3111-79 Anaesthetic Technician  
3111-79 Audiometrist  
3111-79 Cardiac Technician  
3111-79 Dialysis Technician  
3111-79 Electrocardiographic Technician  
3111-79 Electroencephalographic Technician  
3111-79 Neurophysiological Technician  
3111-79 Renal Technician  
3111-79 Mortuary Technician

Most occupations in this unit group have a level of skill commensurate with an AQF Associate Degree, Advanced Diploma or Diploma.

At least three years of relevant experience may substitute for the formal qualifications listed above. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification. Registration or licensing may be required.

Tasks include:

- operating equipment used in diagnosing and monitoring disorders of the heart, kidneys, nervous system and hearing, and in anaesthesia
- undertaking and assisting with medical analytical procedures and assisting Anaesthetists and surgical teams
- recording the electrical activity of the heart, from which the heart rate is measured and pattern and rhythm interpreted
- preparing and staining slides and tissue sections to study the cells of blood and for histological examination
- performing diagnostic tests on tissues and body fluids and analysing the chemical constituents of blood, urine, faeces and tissues
- testing for diseases by looking for the presence of antibodies and the products of immune response in samples
- setting up, checking and maintaining operating theatres, anaesthetic workstations, life support machines and associated equipment
- referring prescriptions to Pharmacists and assisting in preparing medications.

### Science Technical Officers not elsewhere classified

Science Technicians perform tests and experiments, and provide technical support functions to assist with research, design, production and teaching in chemistry, earth sciences, life sciences, and physical sciences.

Occupations in the not elsewhere classified category for Science Technical Officers include:

3112-79 Fibre Technologist  
3112-79 Optics Technical Officer  
3112-79 Physics Technical Officer  
3112-79 Textile and Fabrics Technical Officer

Most occupations in this unit group have a level of skill commensurate a AQF Associate Degree, Advanced Diploma or Diploma. At least three years of relevant experience may substitute for the formal qualifications listed above. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification.

Tasks include:

- preparing materials for experimentation such as freezing and slicing specimens and mixing chemicals
- collecting information and samples
- conducting field and laboratory experiments, tests and analyses
- presenting results in graphic and written form by preparing maps, charts, sketches, diagrams and reports
- performing routine mathematical calculations, and computations of measurements
- controlling the quality and quantity of laboratory supplies by testing samples and monitoring usage
- checking, calibrating and maintaining test equipment
- participating in fabricating, installing and modifying equipment to ensure that critical standards are met
- preparing experiments and demonstrations for science classes.

**Building and Engineering Associate Professionals not elsewhere classified**

Occupations in the not elsewhere classified category for Building and Engineering Associate Professionals include:

- 3129-79 Aircraft Detail Draftsperson
- 3129-79 Airframe Technical Officer
- 3129-79 Mining Detail Draftsperson
- 3129-79 Shipbuilding Draftsperson
- 3129-79 Biomedical Engineering Associate

Most occupations in this unit group have a level of skill commensurate with a AQF Associate Degree, Advanced Diploma or Diploma (ANZSCO Skill Level 2). At least three years of relevant experience may substitute for the formal qualifications listed above. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification. Registration or licensing may be required.

Tasks include:

- examining equipment specifications, and inspecting and testing machines, equipment and clothing to ensure compliance with safety standards and serviceability
- inspecting factories and other work sites to ensure compliance with government and industry standards and regulations
- observing workers to ensure protective devices are being utilised according to regulations and that combustible and other hazardous materials are used and stored in accordance with approved procedures
- conducting tests in work areas to detect toxic fumes, explosive gas-air mixtures and other work hazards
- ensuring fire prevention equipment and other safety supplies, such as first aid kits, stretchers and blankets, conform to standards
- assisting in conducting safety meetings and campaigns, and organising training in general safety principles in keeping with regulations
- advising organisations on ways to comply with occupational health and safety legislative requirements
- investigating incidents and fatalities, to determine causes and to collect evidence of non-compliance with occupational health and safety legislation.

**Financial Dealers and Brokers not elsewhere classified**

Occupations in the not elsewhere classified category for Financial Dealers and Brokers include:

- 3212-79 Finance Broker
- 3212-79 Investment Broker
- 3212-79 Investment Dealer
- 3212-79 Equities Analyst

Most occupations in this unit group have a level of skill commensurate with a bachelor degree or higher qualification. At least five years of relevant experience may substitute for the formal qualification. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification. Registration or licensing may be required.

Tasks include:

- obtaining information on securities, market conditions, government regulations and financial circumstances of clients
- interpreting data from securities reports, financial periodicals and stock-quotations viewer screens
- analysing financial markets and financial market products
- providing information and offering advice on financial market matters, market conditions and the history and prospects of corporations
- executing buy and sell orders in the market place on behalf of clients
- relaying trade information to clients such as the number of contracts bought and sold and the price
- monitoring futures prices and market changes, and bidding for commodity futures contracts
- recording and transmitting buy and sell orders
- calculating and recording costs of transactions.

**3292-11 Contract, Program and Project Administrator**

Contract, Program and Project Administrators plan and undertake administration of contracts, organisational programs, special projects and support services.

Most occupations in this unit group have a level of skill commensurate with AQF Associate Degree, Advanced Diploma or Diploma. At least three years of relevant experience may substitute for the formal qualifications listed above. In some instances relevant experience and/or on-the-job training may be required in addition to the formal qualification.

Tasks include:

- coordinating activities to ensure that objectives of the organisation and office are met
- liaising with professionals, owners, other departments and personnel to ensure that goals are met
- advising senior management on matters requiring attention and implementing their decisions
- setting, reviewing and controlling office functions
- developing, reviewing and negotiating variations to contracts, programs, projects and services
- responding to inquiries and resolving problems concerning contracts, programs, projects, services provided, and persons affected
- managing paperwork associated with contracts, programs, projects and services provided
- working with Project Managers, Architects, Engineering Professionals, owners and others to ensure that goals are met
- overseeing work by contractors and reporting on variations to work orders
- preparing and reviewing submissions and reports concerning the organisation's activities
- collecting and analysing data associated with projects undertaken, and reporting on project outcomes
- reviewing and arranging new office accommodation

## OTHER – TRADESPERSONS

### 4511-91 Retail Butcher

*meaning* an activity completed in a retail outlet that sells directly to the consumer, that does not include the slaughtering of animals and requires the following qualification or equivalent experience and involves a significant majority of the following tasks:

- advises customers on the suitability and uses of cuts of meat;
- operates machinery to grind, mix, mince or tenderise meat;
- prepares meat for sale by removing bones, trimming fat and cutting meat to shape and size for display or as ordered;
- prepares crumbed cuts of meat and marinates and seasons special cuts;
- selects and prepares meat to produce smallgoods;
- may assist in menu planning and scheduling, and in estimating food production costs;
- may operate cash registers, accept payments and prepare sales invoices.

The entry requirement for this occupation is an AQF Certificate III or higher qualification, or at least 3 years skilled experience.

### 4511-92 Specialty Smallgoods Maker;

*meaning* an activity which does not include the slaughtering of animals and requires the following qualification or equivalent experience and involves a significant majority of the following tasks:

- prepares meat by removing bones and trimming fat;
- cuts, minces and grinds meat and fat;
- makes seasonings and pickles by mixing spices, salt and other ingredients;
- adds seasonings to ground meat;
- operates filling machines, smoking chambers and cooking kettles and vats;
- cures meat.

The entry requirement for this occupation is an AQF Certificate III or higher qualification, or at least 3 years skilled experience.

### 4614-79 Animal trainer not elsewhere classified

Occupations in the not elsewhere classified category for Animal trainer include, but not limited to:

### 4614-79 Dog handler

The entry requirement is an AQF III Certificate including at least two years of on-the-job training or AQF Certificate IV or at least three years of relevant experience.

Tasks include:

- teaching animals to obey verbal and non-verbal commands;
- and
- addressing behavioural problems.

## Schedule B – Occupations for Subclass 442 arrangements

### 2 PROFESSIONALS

#### 2515-11 Minister of Religion

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- NOTE: Codes relate to ASCO codes as specified in Australian Standard Classification of Occupations (ASCO) Second Edition, 1997, available at <http://www.abs.gov.au/AUSSTATS>