# FIELDS OF RESEARCH

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## DIVISIONS

- 30 AGRICULTURAL, VETERINARY AND FOOD SCIENCES
- 31 BIOLOGICAL SCIENCES
- 32 BIOMEDICAL AND CLINICAL SCIENCES
- 33 BUILT ENVIRONMENT AND DESIGN
- 34 CHEMICAL SCIENCES
- 35 COMMERCE, MANAGEMENT, TOURISM AND SERVICES
- 36 CREATIVE ARTS AND WRITING
- 37 EARTH SCIENCES
- 38 ECONOMICS
- 39 EDUCATION
- 40 ENGINEERING
- 41 ENVIRONMENTAL SCIENCES
- 42 HEALTH SCIENCES
- 43 HISTORY, HERITAGE AND ARCHAEOLOGY
- 44 HUMAN SOCIETY
- 45 INDIGENOUS STUDIES
- 46 INFORMATION AND COMPUTING SCIENCES
- 47 LANGUAGE, COMMUNICATION AND CULTURE
- 48 LAW AND LEGAL STUDIES
- 49 MATHEMATICAL SCIENCES
- 50 PHILOSOPHY AND RELIGIOUS STUDIES
- 51 PHYSICAL SCIENCES
- 52 PSYCHOLOGY

## 30 AGRICULTURAL, VETERINARY AND FOOD SCIENCES

#### 3001 Agricultural biotechnology

- 300101 Agricultural biotechnology diagnostics (incl. biosensors)
- 300102 Agricultural marine biotechnology
- 300103 Agricultural molecular engineering of nucleic acids and proteins
- 300104 Genetically modified animals
- 300105 Genetically modified field crops and pasture
- 300106 Genetically modified horticulture plants
- 300107 Genetically modified trees
- 300108 Livestock cloning
- 300109 Non-genetically modified uses of biotechnology
- 300110 Transgenesis
- 300199 Agricultural biotechnology not elsewhere classified

## 3002 Agriculture, land and farm management

- 300201 Agricultural hydrology
- 300202 Agricultural land management
- 300203 Agricultural land planning
- 300204 Agricultural management of nutrients
- 300205 Agricultural production systems simulation
- 300206 Agricultural spatial analysis and modelling
- 300207 Agricultural systems analysis and modelling
- 300208 Farm management, rural management and agribusiness
- 300209 Germplasm management
- 300210 Sustainable agricultural development
- 300299 Agriculture, land and farm management not elsewhere classified

## 3003 Animal production

- 300301 Animal growth and development
- 300302 Animal management
- 300303 Animal nutrition
- 300304 Animal protection (incl. pests and pathogens)
- 300305 Animal reproduction and breeding
- 300306 Animal welfare
- 300307 Environmental studies in animal production

300399	Animal production not elsewhere classified
3004	Crop and pasture production
300401	Agrochemicals and biocides (incl. application)
300402	Agro-ecosystem function and prediction
300403	Agronomy
300404	Crop and pasture biochemistry and physiology
300405	Crop and pasture biomass and bioproducts
300406	Crop and pasture improvement (incl. selection and breeding)
300407	Crop and pasture nutrition
300408	Crop and pasture post harvest technologies (incl. transportation and storage)
300409	Crop and pasture protection (incl. pests, diseases and weeds)
300410	Crop and pasture waste water use
300411	Fertilisers (incl. application)
300412	Organic and low chemical input crop production
300413	Pollination biology and systems
300499	Crop and pasture production not elsewhere classified
3005	Fisheries sciences
300501	Aquaculture
300502	Aquaculture and fisheries stock assessment
300503	Fish pests and diseases
300504	Fish physiology and genetics
300505	Fisheries management
300506	Post-harvest fisheries technologies (incl. transportation)
300599	Fisheries sciences not elsewhere classified
3006	Food sciences
300601	Beverage chemistry and beverage sensory science
300602	Food chemistry and food sensory science
300603	Food nutritional balance
300604	Food packaging, preservation and processing
300605	Food safety, traceability, certification and authenticity
300606	Food sustainability
300607	Food technology
300699	Food sciences not elsewhere classified

## 3007 **Forestry sciences** 300701 Agroforestry 300702 Forest biodiversity 300703 Forest ecosystems 300704 Forest health and pathology 300705 Forestry biomass and bioproducts 300706 Forestry fire management 300707 Forestry management and environment 300708 Forestry product quality assessment 300709 Tree improvement (incl. selection and breeding) 300710 Tree nutrition and physiology 300711 Wood fibre processing 300712 Wood processing 300799 Forestry sciences not elsewhere classified 3008 Horticultural production 300801 Field organic and low chemical input horticulture 300802 Horticultural crop growth and development

- S00802 Horticultural crop growth and development
- 300803 Horticultural crop improvement (incl. selection and breeding)
- 300804 Horticultural crop protection (incl. pests, diseases and weeds)
- 300805 Oenology and viticulture
- 300806 Post harvest horticultural technologies (incl. transportation and storage)
- 300899 Horticultural production not elsewhere classified

## 3009 Veterinary sciences

- 300901 Veterinary anaesthesiology and intensive care
- 300902 Veterinary anatomy and physiology
- 300903 Veterinary bacteriology
- 300904 Veterinary diagnosis and diagnostics
- 300905 Veterinary epidemiology
- 300906 Veterinary immunology
- 300907 Veterinary medicine (excl. urology)
- 300908 Veterinary mycology
- 300909 Veterinary parasitology
- 300910 Veterinary pathology

- 300911 Veterinary pharmacology
- 300912 Veterinary surgery
- 300913 Veterinary urology
- 300914 Veterinary virology
- 300999 Veterinary sciences not elsewhere classified

#### 3099 Other agricultural, veterinary and food sciences

309999 Other agricultural, veterinary and food sciences not elsewhere classified

## 31 BIOLOGICAL SCIENCES

- 3101 Biochemistry and cell biology
- 310101 Analytical biochemistry
- 310102 Cell development, proliferation and death
- 310103 Cell metabolism
- 310104 Cell neurochemistry
- 310105 Cellular interactions (incl. adhesion, matrix, cell wall)
- 310106 Enzymes
- 310107 Glycobiology
- 310108 Protein trafficking
- 310109 Proteomics and intermolecular interactions (excl. medical proteomics)
- 310110 Receptors and membrane biology
- 310111 Signal transduction
- 310112 Structural biology (incl. macromolecular modelling)
- 310113 Synthetic biology
- 310114 Systems biology
- 310199 Biochemistry and cell biology not elsewhere classified

## 3102 Bioinformatics and computational biology

- 310201 Bioinformatic methods development
- 310202 Biological network analysis
- 310203 Computational ecology and phylogenetics
- 310204 Genomics and transcriptomics
- 310205 Proteomics and metabolomics
- 310206 Sequence analysis
- 310207 Statistical and quantitative genetics
- 310208 Translational and applied bioinformatics

- 310299 Bioinformatics and computational biology not elsewhere classified
- 3103 Ecology 310301 Behavioural ecology 310302 Community ecology (excl. invasive species ecology) 310303 Ecological physiology 310304 Freshwater ecology 310305 Marine and estuarine ecology (incl. marine ichthyology) 310306 Palaeoecology 310307 Population ecology 310308 Terrestrial ecology 310399 Ecology not elsewhere classified 3104 **Evolutionary biology** 310401 Animal systematics and taxonomy 310402 Biogeography and phylogeography 310403 Biological adaptation 310404 Evolution of developmental systems 310405 Evolutionary ecology 310406 Evolutionary impacts of climate change 310407 Host-parasite interactions 310408 Life histories 310409 Microbial taxonomy 310410 Phylogeny and comparative analysis 310411 Plant and fungus systematics and taxonomy 310412 Speciation and extinction 310499 Evolutionary biology not elsewhere classified 3105 Genetics 310501 Anthropological genetics 310502 Cell and nuclear division 310503 Developmental genetics (incl. sex determination) 310504 Epigenetics (incl. genome methylation and epigenomics) 310505 Gene expression (incl. microarray and other genome-wide approaches) 310506 Gene mapping 310507 Genetic immunology

- 310508 Genome structure and regulation
- 310509 Genomics
- 310510 Molecular evolution
- 310511 Neurogenetics
- 310599 Genetics not elsewhere classified
- 3106 Industrial biotechnology
- 310601 Biocatalysis and enzyme technology
- 310602 Bioprocessing, bioproduction and bioproducts
- 310603 Fermentation
- 310604 Industrial biotechnology diagnostics (incl. biosensors)
- 310605 Industrial microbiology (incl. biofeedstocks)
- 310606 Industrial molecular engineering of nucleic acids and proteins
- 310607 Nanobiotechnology
- 310699 Industrial biotechnology not elsewhere classified

## 3107 Microbiology

- 310701 Bacteriology
- 310702 Infectious agents
- 310703 Microbial ecology
- 310704 Microbial genetics
- 310705 Mycology
- 310706 Virology
- 310799 Microbiology not elsewhere classified

3108 Plant biology

- 310801 Phycology (incl. marine grasses)
- 310802 Plant biochemistry
- 310803 Plant cell and molecular biology
- 310804 Plant developmental and reproductive biology
- 310805 Plant pathology
- 310806 Plant physiology
- 310899 Plant biology not elsewhere classified
- 3109 Zoology
- 310901 Animal behaviour
- 310902 Animal cell and molecular biology

- 310903 Animal developmental and reproductive biology
- 310904 Animal diet and nutrition
- 310905 Animal immunology
- 310906 Animal neurobiology
- 310907 Animal physiological ecology
- 310908 Animal physiology biophysics
- 310909 Animal physiology cell
- 310910 Animal physiology systems
- 310911 Animal structure and function
- 310912 Comparative physiology
- 310913 Invertebrate biology
- 310914 Vertebrate biology
- 310999 Zoology not elsewhere classified
- 3199 Other biological sciences
- 319901 Forensic biology
- 319902 Global change biology
- 319999 Other biological sciences not elsewhere classified

## 32 BIOMEDICAL AND CLINICAL SCIENCES

## 3201 Cardiovascular medicine and haematology

- 320101 Cardiology (incl. cardiovascular diseases)
- 320102 Haematology
- 320103 Respiratory diseases
- 320199 Cardiovascular medicine and haematology not elsewhere classified
- 3202 Clinical sciences
- 320201 Anaesthesiology
- 320202 Clinical chemistry (incl. diagnostics)
- 320203 Clinical microbiology
- 320204 Clinimetrics
- 320205 Dermatology
- 320206 Diagnostic radiography
- 320207 Emergency medicine
- 320208 Endocrinology
- 320209 Gastroenterology and hepatology

- 320210 Geriatrics and gerontology
- 320211 Infectious diseases
- 320212 Intensive care
- 320213 Medical genetics (excl. cancer genetics)
- 320214 Nephrology and urology
- 320215 Nuclear medicine
- 320216 Orthopaedics
- 320217 Otorhinolaryngology
- 320218 Pain
- 320219 Paramedicine
- 320220 Pathology (excl. oral pathology)
- 320221 Psychiatry (incl. psychotherapy)
- 320222 Radiology and organ imaging
- 320223 Rheumatology and arthritis
- 320224 Rural clinical health
- 320225 Sports medicine
- 320226 Surgery
- 320227 Venereology
- 320299 Clinical sciences not elsewhere classified
- 3203 Dentistry
- 320301 Craniofacial biology
- 320302 Dental materials and equipment
- 320303 Dental therapeutics, pharmacology and toxicology
- 320304 Endodontics
- 320305 Oral and maxillofacial surgery
- 320306 Oral implantology
- 320307 Oral medicine and pathology
- 320308 Orthodontics and dentofacial orthopaedics
- 320309 Paedodontics
- 320310 Periodontics
- 320311 Prosthodontics
- 320312 Special needs dentistry
- 320399 Dentistry not elsewhere classified

#### 3204 Immunology

- 320401 Allergy
- 320402 Applied immunology (incl. antibody engineering, xenotransplantation and t-cell therapies)
- 320403 Autoimmunity
- 320404 Cellular immunology
- 320405 Humoural immunology and immunochemistry
- 320406 Immunogenetics (incl. genetic immunology)
- 320407 Innate immunity
- 320408 Transplantation immunology
- 320409 Tumour immunology
- 320499 Immunology not elsewhere classified

## 3205 Medical biochemistry and metabolomics

- 320501 Medical biochemistry amino acids and metabolites
- 320502 Medical biochemistry carbohydrates
- 320503 Medical biochemistry inorganic elements and compounds
- 320504 Medical biochemistry lipids
- 320505 Medical biochemistry nucleic acids
- 320506 Medical biochemistry proteins and peptides (incl. medical proteomics)
- 320507 Metabolic medicine
- 320599 Medical biochemistry and metabolomics not elsewhere classified

## 3206 Medical biotechnology

- 320601 Gene and molecular therapy
- 320602 Medical biotechnology diagnostics (incl. biosensors)
- 320603 Medical molecular engineering of nucleic acids and proteins
- 320604 Nanomedicine
- 320605 Nanotoxicology, health and safety
- 320606 Regenerative medicine (incl. stem cells)
- 320699 Medical biotechnology not elsewhere classified

## 3207 Medical microbiology

- 320701 Medical bacteriology
- 320702 Medical infection agents (incl. prions)
- 320703 Medical mycology
- 320704 Medical parasitology

- 320705 Medical virology
- 320799 Medical microbiology not elsewhere classified
- 3208 Medical physiology
- 320801 Cell physiology
- 320802 Human biophysics
- 320803 Systems physiology
- 320899 Medical physiology not elsewhere classified
- 3209 Neurosciences
- 320901 Autonomic nervous system
- 320902 Cellular nervous system
- 320903 Central nervous system
- 320904 Computational neuroscience (incl. mathematical neuroscience and theoretical neuroscience)
- 320905 Neurology and neuromuscular diseases
- 320906 Peripheral nervous system
- 320907 Sensory systems
- 320999 Neurosciences not elsewhere classified

## 3210 Nutrition and dietetics

- 321001 Clinical nutrition
- 321002 Food properties (incl. characteristics and health benefits)
- 321003 Nutrigenomics and personalised nutrition
- 321004 Nutritional science
- 321005 Public health nutrition
- 321006 Sport and exercise nutrition
- 321099 Nutrition and dietetics not elsewhere classified

## 3211 Oncology and carcinogenesis

- 321101 Cancer cell biology
- 321102 Cancer diagnosis
- 321103 Cancer genetics
- 321104 Cancer therapy (excl. chemotherapy and radiation therapy)
- 321105 Chemotherapy
- 321106 Haematological tumours
- 321107 Liquid biopsies
- 321108 Molecular targets

- 321109 Predictive and prognostic markers
- 321110 Radiation therapy
- 321111 Solid tumours
- 321199 Oncology and carcinogenesis not elsewhere classified

## 3212 Ophthalmology and optometry

- 321201 Ophthalmology
- 321202 Optical technology
- 321203 Optometry
- 321204 Vision science
- 321299 Ophthalmology and optometry not elsewhere classified

## 3213 Paediatrics

- 321301 Adolescent health
- 321302 Infant and child health
- 321303 Neonatology
- 321399 Paediatrics not elsewhere classified

## 3214 Pharmacology and pharmaceutical sciences

- 321401 Basic pharmacology
- 321402 Clinical pharmacology and therapeutics
- 321403 Clinical pharmacy and pharmacy practice
- 321404 Pharmaceutical delivery technologies
- 321405 Pharmaceutical sciences
- 321406 Pharmacogenomics
- 321407 Toxicology (incl. clinical toxicology)
- 321499 Pharmacology and pharmaceutical sciences not elsewhere classified

## 3215 Reproductive medicine

- 321501 Foetal development and medicine
- 321502 Obstetrics and gynaecology
- 321503 Reproduction
- 321599 Reproductive medicine not elsewhere classified

#### 3299 Other biomedical and clinical sciences

329999 Other biomedical and clinical sciences not elsewhere classified

## 33 BUILT ENVIRONMENT AND DESIGN

SOURCE: Australian Bureau of Statistics,1297.0 Australian and New Zealand Standard Research Classification (ANZSRC) 2020 https://www.abs.gov.au/AUSSTATS/abs@.nsf/0/5D99AEA1DD8AA8E0CA2574180005421C?OpenDocument

## 3301 Architecture

- 330101 Architectural computing and visualisation methods
- 330102 Architectural design
- 330103 Architectural heritage and conservation
- 330104 Architectural history, theory and criticism
- 330105 Architectural science and technology
- 330106 Architecture for disaster relief
- 330107 Architecture management
- 330108 Interior design
- 330109 Landscape architecture
- 330110 Sustainable architecture
- 330199 Architecture not elsewhere classified

## 3302 Building

- 330201 Automation and technology in building and construction
- 330202 Building construction management and project planning
- 330203 Building industry studies
- 330204 Building information modelling and management
- 330205 Building organisational studies
- 330206 Building science, technologies and systems
- 330207 Quantity surveying
- 330299 Building not elsewhere classified
- 3303 Design
- 330301 Data visualisation and computational (incl. parametric and generative) design
- 330302 Design anthropology
- 330303 Design for disaster relief
- 330304 Design history, theory and criticism
- 330305 Design management
- 330306 Design practice and methods
- 330307 Ergonomics design
- 330308 Fire safety design
- 330309 Industrial and product design
- 330310 Interaction and experience design
- 330311 Models and simulations of design

- 330312 Service design
- 330313 Social design
- 330314 Sustainable design
- 330315 Textile and fashion design
- 330316 Visual communication design (incl. graphic design)
- 330399 Design not elsewhere classified
- 3304 Urban and regional planning
- 330401 Community planning
- 330402 History and theory of the built environment (excl. architecture)
- 330403 Housing markets, development and management
- 330404 Land use and environmental planning
- 330405 Public participation and community engagement
- 330406 Regional analysis and development
- 330407 Regulatory planning and development assessment
- 330408 Strategic, metropolitan and regional planning
- 330409 Transport planning
- 330410 Urban analysis and development
- 330411 Urban design
- 330412 Urban informatics
- 330413 Urban planning and health
- 330499 Urban and regional planning not elsewhere classified

## 3399 Other built environment and design

339999 Other built environment and design not elsewhere classified

## 34 CHEMICAL SCIENCES

- 3401 Analytical chemistry
- 340101 Analytical spectrometry
- 340102 Bioassays
- 340103 Electroanalytical chemistry
- 340104 Flow analysis
- 340105 Instrumental methods (excl. immunological and bioassay methods)
- 340106 Metabolomic chemistry
- 340107 Quality assurance, chemometrics, traceability and metrological chemistry
- 340108 Sensor technology (incl. chemical aspects)

- 340109 Separation science
- 340199 Analytical chemistry not elsewhere classified
- 3402 Inorganic chemistry
- 340201 Bioinorganic chemistry
- 340202 Crystallography
- 340203 F-block chemistry
- 340204 Inorganic green chemistry
- 340205 Main group metal chemistry
- 340206 Metal cluster chemistry
- 340207 Metal organic frameworks
- 340208 Non-metal chemistry
- 340209 Organometallic chemistry
- 340210 Solid state chemistry
- 340211 Transition metal chemistry
- 340299 Inorganic chemistry not elsewhere classified

### 3403 Macromolecular and materials chemistry

- 340301 Inorganic materials (incl. nanomaterials)
- 340302 Macromolecular materials
- 340303 Nanochemistry
- 340304 Optical properties of materials
- 340305 Physical properties of materials
- 340306 Polymerisation mechanisms
- 340307 Structure and dynamics of materials
- 340308 Supramolecular chemistry
- 340309 Theory and design of materials
- 340399 Macromolecular and materials chemistry not elsewhere classified

## 3404 Medicinal and biomolecular chemistry

- 340401 Biologically active molecules
- 340402 Biomolecular modelling and design
- 340403 Characterisation of biological macromolecules
- 340404 Cheminformatics and quantitative structure-activity relationships
- 340405 Glycoconjugates
- 340406 Molecular medicine

340499 Medicinal and biomolecular chemistry not elsewhere classified 3405 **Organic chemistry** 340501 Free radical chemistry 340502 Natural products and bioactive compounds 340503 Organic chemical synthesis 340504 Organic green chemistry 340505 Physical organic chemistry 340599 Organic chemistry not elsewhere classified **Physical chemistry** 3406 340601 Catalysis and mechanisms of reactions 340602 Chemical thermodynamics and energetics 340603 Colloid and surface chemistry 340604 Electrochemistry 340605 Molecular imaging (incl. electron microscopy and neutron diffraction) 340606 Photochemistry 340607 Reaction kinetics and dynamics 340608 Solution chemistry 340609 Transport properties and non-equilibrium processes 340699 Physical chemistry not elsewhere classified 3407 Theoretical and computational chemistry 340701 Computational chemistry 340702 Radiation and matter 340703 Statistical mechanics in chemistry 340704 Theoretical quantum chemistry 340799 Theoretical and computational chemistry not elsewhere classified 3499 Other chemical sciences 349901 Forensic chemistry 349999 Other chemical sciences not elsewhere classified 35 COMMERCE, MANAGEMENT, TOURISM AND SERVICES

340407 Proteins and peptides

#### 3501 Accounting, auditing and accountability

- 350101 Accounting theory and standards
- 350102 Auditing and accountability
- 350103 Financial accounting
- 350104 International accounting
- 350105 Management accounting
- 350106 Not-for-profit accounting and accountability
- 350107 Sustainability accounting and reporting
- 350108 Taxation accounting
- 350199 Accounting, auditing and accountability not elsewhere classified

## 3502 Banking, finance and investment

- 350201 Environment and climate finance
- 350202 Finance
- 350203 Financial econometrics
- 350204 Financial institutions (incl. banking)
- 350205 Household finance and financial literacy
- 350206 Insurance studies
- 350207 International finance
- 350208 Investment and risk management
- 350209 Not-for-profit finance and risk
- 350299 Banking, finance and investment not elsewhere classified
- 3503 Business systems in context
- 350301 Business analytics
- 350302 Business information management (incl. records, knowledge and intelligence)
- 350303 Business information systems
- 350304 Business systems in context
- 350305 Forensic intelligence
- 350306 Forensic science and management
- 350307 Technology management
- 350399 Business systems in context not elsewhere classified
- 3504 Commercial services
- 350401 Food and hospitality services
- 350402 Hospitality management

- 350403 Real estate and valuation services 350404 Retail 350405 Sport and leisure management 350499 Commercial services not elsewhere classified 3505 Human resources and industrial relations 350501 Business and labour history 350502 Employment equity and diversity 350503 Human resources management 350504 Industrial and employee relations 350505 Occupational and workplace health and safety 350506 Workforce planning 350507 Workplace wellbeing and quality of working life 350599 Human resources and industrial relations not elsewhere classified 3506 Marketing 350601 Consumer behaviour 350602 Consumer-oriented product or service development 350603 Industrial marketing 350604 Marketing communications 350605 Marketing management (incl. strategy and customer relations) 350606 Marketing research methodology 350607 Marketing technology 350608 Marketing theory 350609 Not-for-profit marketing 350610 Pricing (incl. consumer value estimation) 350611 Service marketing 350612 Social marketing 350699 Marketing not elsewhere classified 3507 Strategy, management and organisational behaviour 350701 Corporate governance 350702 Corporate social responsibility 350703 Disaster and emergency management 350704 Entrepreneurship 350705 Innovation management
- SOURCE: Australian Bureau of Statistics,1297.0 Australian and New Zealand Standard Research Classification (ANZSRC) 2020 https://www.abs.gov.au/AUSSTATS/abs@.nsf/0/5D99AEA1DD8AA8E0CA2574180005421C?OpenDocument

- 350706 International business
- 350707 Leadership
- 350708 Not-for-profit business and management
- 350709 Organisation and management theory
- 350710 Organisational behaviour
- 350711 Organisational planning and management
- 350712 Production and operations management
- 350713 Project management
- 350714 Public sector organisation and management
- 350715 Quality management
- 350716 Small business organisation and management
- 350717 Stakeholder engagement
- 350718 Strategy
- 350799 Strategy, management and organisational behaviour not elsewhere classified
- 3508 Tourism
- 350801 Impacts of tourism
- 350802 Tourism forecasting
- 350803 Tourism management
- 350804 Tourism marketing
- 350805 Tourism resource appraisal
- 350806 Tourist behaviour and visitor experience
- 350899 Tourism not elsewhere classified
- 3509 Transportation, logistics and supply chains
- 350901 Air transportation and freight services
- 350902 Intelligent mobility
- 350903 Logistics
- 350904 Maritime transportation and freight services
- 350905 Passenger needs
- 350906 Public transport
- 350907 Rail transportation and freight services
- 350908 Road transportation and freight services
- 350909 Supply chains
- 350999 Transportation, logistics and supply chains not elsewhere classified

## 3599 Other commerce, management, tourism and services

359999 Other commerce, management, tourism and services not elsewhere classified

### 36 CREATIVE ARTS AND WRITING

- 3601 Art history, theory and criticism
- 360101 Art criticism
- 360102 Art history
- 360103 Art theory
- 360104 Visual cultures
- 360199 Art history, theory and criticism not elsewhere classified

## 3602 Creative and professional writing

- 360201 Creative writing (incl. scriptwriting)
- 360202 Digital writing
- 360203 Professional writing and journalism practice
- 360204 Site-based writing
- 360205 Technical writing
- 360299 Creative and professional writing not elsewhere classified
- 3603 Music
- 360301 Music cognition
- 360302 Music composition and improvisation
- 360303 Music education
- 360304 Music performance
- 360305 Music technology and recording
- 360306 Musicology and ethnomusicology
- 360399 Music not elsewhere classified

## 3604 Performing arts

- 360401 Applied theatre
- 360402 Dance and dance studies
- 360403 Drama, theatre and performance studies
- 360499 Performing arts not elsewhere classified
- 3605 Screen and digital media
- 360501 Cinema studies
- 360502 Computer gaming and animation

- 360503 Digital and electronic media art
- 360504 Interactive media
- 360505 Screen media
- 360506 Visual effects
- 360599 Screen and digital media not elsewhere classified
- 3606 Visual arts
- 360601 Crafts
- 360602 Fine arts
- 360603 Performance art
- 360604 Photography, video and lens-based practice
- 360699 Visual arts not elsewhere classified

## 3699 Other creative arts and writing

369999 Other creative arts and writing not elsewhere classified

## **37 EARTH SCIENCES**

#### 3701 Atmospheric sciences

- 370101 Adverse weather events
- 370102 Air pollution processes and air quality measurement
- 370103 Atmospheric aerosols
- 370104 Atmospheric composition, chemistry and processes
- 370105 Atmospheric dynamics
- 370106 Atmospheric radiation
- 370107 Cloud physics
- 370108 Meteorology
- 370109 Tropospheric and stratospheric physics
- 370199 Atmospheric sciences not elsewhere classified

## 3702 Climate change science

- 370201 Climate change processes
- 370202 Climatology
- 370203 Greenhouse gas inventories and fluxes
- 370299 Climate change science not elsewhere classified
- 3703 Geochemistry
- 370301 Exploration geochemistry

370302	Inorganic geochemistry
370303	Isotope geochemistry
370304	Organic geochemistry
370399	Geochemistry not elsewhere classified
3704	Geoinformatics
370401	Computational modelling and simulation in earth sciences
370402	Earth and space science informatics
370403	Geoscience data visualisation
370499	Geoinformatics not elsewhere classified
3705	Geology
370501	Biomineralisation
370502	Geochronology
370503	Igneous and metamorphic petrology
370504	Marine geoscience
370505	Mineralogy and crystallography
370506	Palaeontology (incl. palynology)
370507	Planetary geology
370508	Resource geoscience
370509	Sedimentology
370510	Stratigraphy (incl. biostratigraphy, sequence stratigraphy and basin analysis)
370511	Structural geology and tectonics
370512	Volcanology
370599	Geology not elsewhere classified
3706	Geophysics
370601	Applied geophysics
370602	Electrical and electromagnetic methods in geophysics
370603	Geodesy
370604	Geodynamics
370605	Geothermics and radiometrics
370606	Gravimetrics
370607	Magnetism and palaeomagnetism
370608	Petrophysics and rock mechanics
370609	Seismology and seismic exploration

- 370699 Geophysics not elsewhere classified
- 3707 Hydrology
- 370701 Contaminant hydrology
- 370702 Ecohydrology
- 370703 Groundwater hydrology
- 370704 Surface water hydrology
- 370705 Urban hydrology
- 370799 Hydrology not elsewhere classified

## 3708 Oceanography

- 370801 Biological oceanography
- 370802 Chemical oceanography
- 370803 Physical oceanography
- 370899 Oceanography not elsewhere classified

## 3709 Physical geography and environmental geoscience

- 370901 Geomorphology and earth surface processes
- 370902 Glaciology
- 370903 Natural hazards
- 370904 Palaeoclimatology
- 370905 Quaternary environments
- 370906 Regolith and landscape evolution
- 370999 Physical geography and environmental geoscience not elsewhere classified

## 3799 Other earth sciences

- 379901 Earth system sciences
- 379999 Other earth sciences not elsewhere classified

## 38 ECONOMICS

#### 3801 Applied economics

- 380101 Agricultural economics
- 380102 Behavioural economics
- 380103 Economic history
- 380104 Economics of education
- 380105 Environment and resource economics
- 380106 Experimental economics

- 380107 Financial economics
- 380108 Health economics
- 380109 Industry economics and industrial organisation
- 380110 International economics
- 380111 Labour economics
- 380112 Macroeconomics (incl. monetary and fiscal theory)
- 380113 Public economics public choice
- 380114 Public economics publicly provided goods
- 380115 Public economics taxation and revenue
- 380116 Tourism economics
- 380117 Transport economics
- 380118 Urban and regional economics
- 380119 Welfare economics
- 380199 Applied economics not elsewhere classified

## 3802 Econometrics

- 380201 Cross-sectional analysis
- 380202 Econometric and statistical methods
- 380203 Economic models and forecasting
- 380204 Panel data analysis
- 380205 Time-series analysis
- 380299 Econometrics not elsewhere classified

## 3803 Economic theory

- 380301 History of economic thought
- 380302 Macroeconomic theory
- 380303 Mathematical economics
- 380304 Microeconomic theory
- 380399 Economic theory not elsewhere classified

## 3899 Other economics

- 389901 Comparative economic systems
- 389902 Ecological economics
- 389903 Heterodox economics
- 389999 Other economics not elsewhere classified

## 39 EDUCATION

#### 3901 Curriculum and pedagogy

- 390101 Creative arts, media and communication curriculum and pedagogy
- 390102 Curriculum and pedagogy theory and development
- 390103 Economics, business and management curriculum and pedagogy
- 390104 English and literacy curriculum and pedagogy (excl. LOTE, ESL and TESOL)
- 390105 Environmental education curriculum and pedagogy
- 390106 Geography education curriculum and pedagogy

390107 Humanities and social sciences curriculum and pedagogy (excl. economics, business and management)

- 390108 LOTE, ESL and TESOL curriculum and pedagogy
- 390109 Mathematics and numeracy curriculum and pedagogy
- 390110 Medicine, nursing and health curriculum and pedagogy
- 390111 Physical education and development curriculum and pedagogy
- 390112 Religion curriculum and pedagogy
- 390113 Science, technology and engineering curriculum and pedagogy
- 390114 Vocational education and training curriculum and pedagogy
- 390115 Work integrated learning (incl. internships)
- 390199 Curriculum and pedagogy not elsewhere classified
- 3902 Education policy, sociology and philosophy
- 390201 Education policy
- 390202 History and philosophy of education
- 390203 Sociology of education
- 390299 Education policy, sociology and philosophy not elsewhere classified
- 3903 Education systems
- 390301 Continuing and community education
- 390302 Early childhood education
- 390303 Higher education
- 390304 Primary education
- 390305 Professional education and training
- 390306 Secondary education
- 390307 Teacher education and professional development of educators
- 390308 Technical, further and workplace education

- 390399 Education systems not elsewhere classified
- 3904 Specialist studies in education
- 390401 Comparative and cross-cultural education
- 390402 Education assessment and evaluation
- 390403 Educational administration, management and leadership
- 390404 Educational counselling
- 390405 Educational technology and computing
- 390406 Gender, sexuality and education
- 390407 Inclusive education
- 390408 Learning analytics
- 390409 Learning sciences
- 390410 Multicultural education (excl. Aboriginal and Torres Strait Islander, Māori and Pacific Peoples)
- 390411 Special education and disability
- 390412 Teacher and student wellbeing
- 390499 Specialist studies in education not elsewhere classified
- 3999 Other Education
- 399999 Other education not elsewhere classified

#### 40 ENGINEERING

- 4001 Aerospace engineering
- 400101 Aerospace materials
- 400102 Aerospace structures
- 400103 Aircraft performance and flight control systems
- 400104 Avionics
- 400105 Flight dynamics
- 400106 Hypersonic propulsion and hypersonic aerothermodynamics
- 400107 Satellite, space vehicle and missile design and testing
- 400199 Aerospace engineering not elsewhere classified

## 4002 Automotive engineering

- 400201 Automotive combustion and fuel engineering
- 400202 Automotive engineering materials
- 400203 Automotive mechatronics and autonomous systems
- 400204 Automotive safety engineering

- 400205 Hybrid and electric vehicles and powertrains
- 400299 Automotive engineering not elsewhere classified
- 4003 Biomedical engineering
- 400301 Biofabrication
- 400302 Biomaterials
- 400303 Biomechanical engineering
- 400304 Biomedical imaging
- 400305 Biomedical instrumentation
- 400306 Computational physiology
- 400307 Mechanobiology
- 400308 Medical devices
- 400309 Neural engineering
- 400310 Rehabilitation engineering
- 400311 Tissue engineering
- 400399 Biomedical engineering not elsewhere classified
- 4004 Chemical engineering
- 400401 Carbon capture engineering (excl. sequestration)
- 400402 Chemical and thermal processes in energy and combustion
- 400403 Chemical engineering design
- 400404 Electrochemical energy storage and conversion
- 400405 Food engineering
- 400406 Powder and particle technology
- 400407 Process control and simulation
- 400408 Reaction engineering (excl. nuclear reactions)
- 400409 Separation technologies
- 400410 Wastewater treatment processes
- 400411 Water treatment processes
- 400499 Chemical engineering not elsewhere classified

## 4005 Civil engineering

- 400501 Architectural engineering
- 400502 Civil geotechnical engineering
- 400503 Complex civil systems
- 400504 Construction engineering

- 400505 Construction materials
- 400506 Earthquake engineering
- 400507 Fire safety engineering
- 400508 Infrastructure engineering and asset management
- 400509 Structural dynamics
- 400510 Structural engineering
- 400511 Timber engineering
- 400512 Transport engineering
- 400513 Water resources engineering
- 400599 Civil engineering not elsewhere classified

## 4006 Communications engineering

- 400601 Antennas and propagation
- 400602 Data communications
- 400603 Molecular, biological, and multi-scale communications
- 400604 Network engineering
- 400605 Optical fibre communication systems and technologies
- 400606 Satellite communications
- 400607 Signal processing
- 400608 Wireless communication systems and technologies (incl. microwave and millimetrewave)
- 400699 Communications engineering not elsewhere classified

## 4007 Control engineering, mechatronics and robotics

- 400701 Assistive robots and technology
- 400702 Automation engineering
- 400703 Autonomous vehicle systems
- 400704 Biomechatronics
- 400705 Control engineering
- 400706 Field robotics
- 400707 Manufacturing robotics
- 400708 Mechatronics hardware design and architecture
- 400709 Medical robotics
- 400710 Micro-manipulation
- 400711 Simulation, modelling, and programming of mechatronics systems
- 400799 Control engineering, mechatronics and robotics not elsewhere classified

4008	Electrical engineering
400801	Circuits and systems
400802	Electrical circuits and systems
400803	Electrical energy generation (incl. renewables, excl. photovoltaics)
400804	Electrical energy storage
400805	Electrical energy transmission, networks and systems
400806	Electrical machines and drives
400807	Engineering electromagnetics
400808	Photovoltaic power systems
400899	Electrical engineering not elsewhere classified
4009	Electronics, sensors and digital hardware
400901	Analog electronics and interfaces
400902	Digital electronic devices
400903	Digital processor architectures
400904	Electronic device and system performance evaluation, testing and simulation
400905	Electronic instrumentation
400906	Electronic sensors
400907	Industrial electronics
400908	Microelectronics
400909	Photonic and electro-optical devices, sensors and systems (excl. communications)
400910	Photovoltaic devices (solar cells)
400911	Power electronics
400912	Quantum engineering systems (incl. computing and communications)
400913	Radio frequency engineering
400999	Electronics, sensors and digital hardware not elsewhere classified
4010	Engineering practice and education
401001	Engineering design
401002	Engineering education
401003	Engineering practice
401004	Humanitarian engineering
401005	Risk engineering
401006	Systems engineering
401099	Engineering practice and education not elsewhere classified

## SOURCE: Australian Bureau of Statistics,1297.0 Australian and New Zealand Standard Research Classification (ANZSRC) 2020 https://www.abs.gov.au/AUSSTATS/abs@.nsf/0/5D99AEA1DD8AA8E0CA2574180005421C?OpenDocument

#### 4011 Environmental engineering

- 401101 Air pollution modelling and control
- 401102 Environmentally sustainable engineering
- 401103 Global and planetary environmental engineering
- 401104 Health and ecological risk assessment
- 401105 Life cycle assessment and industrial ecology
- 401106 Waste management, reduction, reuse and recycling
- 401199 Environmental engineering not elsewhere classified

## 4012 Fluid mechanics and thermal engineering

- 401201 Aerodynamics (excl. hypersonic aerodynamics)
- 401202 Bio-fluids
- 401203 Biomedical fluid mechanics
- 401204 Computational methods in fluid flow, heat and mass transfer (incl. computational fluid dynamics)
- 401205 Experimental methods in fluid flow, heat and mass transfer
- 401206 Fluid-structure interaction and aeroacoustics
- 401207 Fundamental and theoretical fluid dynamics
- 401208 Geophysical and environmental fluid flows
- 401209 Hydrodynamics and hydraulic engineering
- 401210 Microfluidics and nanofluidics
- 401211 Multiphysics flows (incl. multiphase and reacting flows)
- 401212 Non-Newtonian fluid flows (incl. rheology)
- 401213 Turbulent flows
- 401299 Fluid mechanics and thermal engineering not elsewhere classified

## 4013 Geomatic engineering

- 401301 Cartography and digital mapping
- 401302 Geospatial information systems and geospatial data modelling
- 401303 Navigation and position fixing
- 401304 Photogrammetry and remote sensing
- 401305 Satellite-based positioning
- 401306 Surveying (incl. hydrographic surveying)
- 401399 Geomatic engineering not elsewhere classified

#### 4014 Manufacturing engineering

401401 Additive manufacturing

- 401402 CAD/CAM systems
- 401403 Flexible manufacturing systems
- 401404 Industrial engineering
- 401405 Machine tools
- 401406 Machining
- 401407 Manufacturing management
- 401408 Manufacturing processes and technologies (excl. textiles)
- 401409 Manufacturing safety and quality
- 401410 Microtechnology
- 401411 Packaging, storage and transportation (excl. food and agricultural products)
- 401412 Precision engineering
- 401413 Textile technology
- 401499 Manufacturing engineering not elsewhere classified

## 4015 Maritime engineering

- 401501 Marine engineering
- 401502 Naval architecture
- 401503 Ocean engineering
- 401504 Ship and platform structures (incl. maritime hydrodynamics)
- 401505 Special vehicles
- 401599 Maritime engineering not elsewhere classified

## 4016 Materials engineering

- 401601 Ceramics
- 401602 Composite and hybrid materials
- 401603 Compound semiconductors
- 401604 Elemental semiconductors
- 401605 Functional materials
- 401606 Glass
- 401607 Metals and alloy materials
- 401608 Organic semiconductors
- 401609 Polymers and plastics
- 401610 Timber, pulp and paper
- 401611 Wearable materials
- 401699 Materials engineering not elsewhere classified

#### 4017 Mechanical engineering

- 401701 Acoustics and noise control (excl. architectural acoustics)
- 401702 Dynamics, vibration and vibration control
- 401703 Energy generation, conversion and storage (excl. chemical and electrical)
- 401704 Mechanical engineering asset management
- 401705 Microelectromechanical systems (MEMS)
- 401706 Numerical modelling and mechanical characterisation
- 401707 Solid mechanics
- 401708 Tribology
- 401799 Mechanical engineering not elsewhere classified

## 4018 Nanotechnology

- 401801 Micro- and nanosystems
- 401802 Molecular and organic electronics
- 401803 Nanoelectromechanical systems
- 401804 Nanoelectronics
- 401805 Nanofabrication, growth and self assembly
- 401806 Nanomanufacturing
- 401807 Nanomaterials
- 401808 Nanometrology
- 401809 Nanophotonics
- 401810 Nanoscale characterisation
- 401899 Nanotechnology not elsewhere classified
- 4019 Resources engineering and extractive metallurgy
- 401901 Electrometallurgy
- 401902 Geomechanics and resources geotechnical engineering
- 401903 Hydrometallurgy
- 401904 Mineral processing/beneficiation
- 401905 Mining engineering
- 401906 Nuclear engineering (incl. fuel enrichment and waste processing and storage)
- 401907 Petroleum and reservoir engineering
- 401908 Pyrometallurgy
- 401999 Resources engineering and extractive metallurgy not elsewhere classified
- 4099 Other engineering

SOURCE: Australian Bureau of Statistics, 1297.0 Australian and New Zealand Standard Research Classification (ANZSRC) 2020 https://www.abs.gov.au/AUSSTATS/abs@.nsf/0/5D99AEA1DD8AA8E0CA2574180005421C?OpenDocument

- 409901 Agricultural engineering
- 409902 Engineering instrumentation
- 409903 Granular mechanics
- 409999 Other engineering not elsewhere classified

## 41 ENVIRONMENTAL SCIENCES

#### 4101 Climate change impacts and adaptation

- 410101 Carbon sequestration science
- 410102 Ecological impacts of climate change and ecological adaptation
- 410103 Human impacts of climate change and human adaptation
- 410199 Climate change impacts and adaptation not elsewhere classified

## 4102 Ecological applications

- 410201 Bioavailability and ecotoxicology
- 410202 Biosecurity science and invasive species ecology
- 410203 Ecosystem function
- 410204 Ecosystem services (incl. pollination)
- 410205 Fire ecology
- 410206 Landscape ecology
- 410299 Ecological applications not elsewhere classified
- 4103 Environmental biotechnology
- 410301 Biodiscovery
- 410302 Biological control
- 410303 Bioremediation
- 410304 Environmental biotechnology diagnostics (incl. biosensors)
- 410305 Environmental marine biotechnology
- 410306 Environmental nanotechnology and nanometrology
- 410399 Environmental biotechnology not elsewhere classified

## 4104 Environmental management

- 410401 Conservation and biodiversity
- 410402 Environmental assessment and monitoring
- 410403 Environmental education and extension
- 410404 Environmental management
- 410405 Environmental rehabilitation and restoration

- 410406 Natural resource management
- 410407 Wildlife and habitat management
- 410499 Environmental management not elsewhere classified

## 4105 Pollution and contamination

- 410501 Environmental biogeochemistry
- 410502 Noise and wave pollution processes and measurement
- 410503 Groundwater quality processes and contaminated land assessment
- 410504 Surface water quality processes and contaminated sediment assessment
- 410599 Pollution and contamination not elsewhere classified

## 4106 Soil sciences

- 410601 Land capability and soil productivity
- 410602 Pedology and pedometrics
- 410603 Soil biology
- 410604 Soil chemistry and soil carbon sequestration (excl. carbon sequestration science)
- 410605 Soil physics
- 410699 Soil sciences not elsewhere classified
- 4199 Other environmental sciences
- 419999 Other environmental sciences not elsewhere classified

## 42 HEALTH SCIENCES

#### 4201 Allied health and rehabilitation science

- 420101 Arts therapy
- 420102 Audiology
- 420103 Music therapy
- 420104 Occupational therapy
- 420105 Orthoptics
- 420106 Physiotherapy
- 420107 Podiatry
- 420108 Prosthetics and orthotics
- 420109 Rehabilitation
- 420110 Speech pathology
- 420199 Allied health and rehabilitation science not elsewhere classified

## 4202 Epidemiology

SOURCE: Australian Bureau of Statistics,1297.0 Australian and New Zealand Standard Research Classification (ANZSRC) 2020 https://www.abs.gov.au/AUSSTATS/abs@.nsf/0/5D99AEA1DD8AA8E0CA2574180005421C?OpenDocument

- 420201 Behavioural epidemiology 420202 Disease surveillance
- 420203 Environmental epidemiology
- 420204 Epidemiological methods
- 420205 Epidemiological modelling
- 420206 Forensic epidemiology
- 420207 Major global burdens of disease
- 420208 Nutritional epidemiology
- 420209 Occupational epidemiology
- 420210 Social epidemiology
- 420299 Epidemiology not elsewhere classified

## 4203 Health services and systems

- 420301 Aged health care
- 420302 Digital health
- 420303 Family care
- 420304 General practice
- 420305 Health and community services
- 420306 Health care administration
- 420307 Health counselling
- 420308 Health informatics and information systems
- 420309 Health management
- 420310 Health surveillance
- 420311 Health systems
- 420312 Implementation science and evaluation
- 420313 Mental health services
- 420314 Multimorbidity
- 420315 One health
- 420316 Palliative care
- 420317 Patient safety
- 420318 People with disability
- 420319 Primary health care
- 420320 Residential client care
- 420321 Rural and remote health services

420399 Health services and systems not elsewhere classified

- 4204 Midwifery
  420401 Clinical midwifery
  420402 Models of care and place of birth
  420403 Psychosocial aspects of childbirth and perinatal mental health
- 420499 Midwifery not elsewhere classified
- 4205 Nursing
- 420501 Acute care
- 420502 Aged care nursing
- 420503 Community and primary care
- 420504 Mental health nursing
- 420505 Nursing workforce
- 420506 Sub-acute care
- 420599 Nursing not elsewhere classified

## 4206 Public health

- 420601 Community child health
- 420602 Health equity
- 420603 Health promotion
- 420604 Injury prevention
- 420605 Preventative health care
- 420606 Social determinants of health
- 420699 Public health not elsewhere classified
- 4207 Sports science and exercise
- 420701 Biomechanics
- 420702 Exercise physiology
- 420703 Motor control
- 420799 Sports science and exercise not elsewhere classified
- 4208 Traditional, complementary and integrative medicine
- 420801 Chiropractic
- 420802 Naturopathy
- 420803 Traditional Chinese medicine and treatments
- 420899 Traditional, complementary and integrative medicine not elsewhere classified
- 4299 Other health sciences

429999 Other health sciences not elsewhere classified

# 43 HISTORY, HERITAGE AND ARCHAEOLOGY

### 4301 Archaeology

- 430101 Archaeological science
- 430102 Archaeology of Asia, Africa and the Americas
- 430103 Archaeology of Australia (excl. Aboriginal and Torres Strait Islander)
- 430104 Archaeology of Europe, the Mediterranean and the Levant
- 430105 Archaeology of New Zealand (excl. Māori)
- 430106 Digital archaeology
- 430107 Historical archaeology (incl. industrial archaeology)
- 430108 Maritime archaeology
- 430199 Archaeology not elsewhere classified
- 4302 Heritage, archive and museum studies
- 430201 Archival, repository and related studies
- 430202 Critical heritage, museum and archive studies
- 430203 Cultural heritage management (incl. world heritage)
- 430204 Digital heritage
- 430205 Heritage and cultural conservation
- 430206 Heritage collections and interpretations
- 430207 Heritage tourism, visitor and audience studies
- 430208 Intangible heritage
- 430209 Materials conservation
- 430299 Heritage, archive and museum studies not elsewhere classified

# 4303 Historical studies

- 430301 Asian history
- 430302 Australian history
- 430303 Biography
- 430304 British history
- 430305 Classical Greek and Roman history
- 430306 Digital history
- 430307 Environmental history
- 430308 European history (excl. British, classical Greek and Roman)

- 430309 Gender history
- 430310 Global and world history
- 430311 Historical studies of crime
- 430312 Histories of race
- 430313 History of empires, imperialism and colonialism
- 430314 History of religion
- 430315 History of the pacific
- 430316 International history
- 430317 Latin and South American history
- 430318 Middle Eastern and North African history
- 430319 Migration history
- 430320 New Zealand history
- 430321 North American history
- 430322 Sub-Saharan African history
- 430323 Transnational history
- 430399 Historical studies not elsewhere classified
- 4399 Other history, heritage and archaeology
- 439999 Other history, heritage and archaeology not elsewhere classified

# 44 HUMAN SOCIETY

- 4401 Anthropology
- 440101 Anthropology of development
- 440102 Anthropology of gender and sexuality
- 440103 Biological (physical) anthropology
- 440104 Environmental anthropology
- 440105 Linguistic anthropology
- 440106 Medical anthropology
- 440107 Social and cultural anthropology
- 440199 Anthropology not elsewhere classified

# 4402 Criminology

- 440201 Causes and prevention of crime
- 440202 Correctional theory, offender treatment and rehabilitation
- 440203 Courts and sentencing

- 440204 Crime and social justice
- 440205 Criminological theories
- 440206 Critical approaches to crime
- 440207 Cybercrime
- 440208 Environmental crime
- 440209 Gender and crime
- 440210 Organised crime
- 440211 Police administration, procedures and practice
- 440212 Private policing and security services
- 440213 Race/ethnicity and crime
- 440214 Sociological studies of crime
- 440215 State crime
- 440216 Technology, crime and surveillance
- 440217 Terrorism
- 440218 Victims
- 440219 White collar crime
- 440299 Criminology not elsewhere classified
- 4403 Demography
- 440301 Family and household studies
- 440302 Fertility
- 440303 Migration
- 440304 Mortality
- 440305 Population trends and policies
- 440399 Demography not elsewhere classified

# 4404 Development studies

- 440401 Development cooperation
- 440402 Humanitarian disasters, conflict and peacebuilding
- 440403 Labour, migration and development
- 440404 Political economy and social change
- 440405 Poverty, inclusivity and wellbeing
- 440406 Rural community development
- 440407 Socio-economic development
- 440408 Urban community development

440499	Development studies not elsewhere classific
4405	Gender studies
440501	Feminist and queer theory
440502	Feminist methodologies
440503	Feminist theory
440504	Gender relations
440505	Intersectional studies
440506	Sexualities
440507	Studies of men and masculinities
440508	Transgender studies
440509	Women's studies (incl. girls' studies)
440599	Gender studies not elsewhere classified
4406	Human geography
440601	Cultural geography
440602	Development geography
440603	Economic geography
440604	Environmental geography
440605	Health geography
440606	Political geography
440607	Population geography
440608	Recreation, leisure and tourism geography
440609	Rural and regional geography
440610	Social geography
440611	Transport geography
440612	Urban geography
440699	Human geography not elsewhere classified
4407	Policy and administration
440701	Communications and media policy
440702	Crime policy
440703	Economic development policy
440704	Environment policy

- 440705 Gender, policy and administration
- 440706 Health policy

440707 Housing policy 440708 Public administration 440709 Public policy 440710 Research, science and technology policy 440711 Risk policy 440712 Social policy 440713 Tourism policy 440714 Urban policy 440799 Policy and administration not elsewhere classified 4408 **Political science** 440801 Australian government and politics 440802 Citizenship 440803 Comparative government and politics 440804 Defence studies 440805 Environmental politics 440806 Gender and politics 440807 Government and politics of Asia and the Pacific 440808 International relations 440809 New Zealand government and politics 440810 Peace studies 440811 Political theory and political philosophy 440899 Political science not elsewhere classified 4409 Social work 440901 Clinical social work practice 440902 Counselling, wellbeing and community services 440903 Social program evaluation 440999 Social work not elsewhere classified 4410 Sociology 441001 Applied sociology, program evaluation and social impact assessment 441002 Environmental sociology 441003 Rural sociology 441004 Social change 441005 Social theory

- 441006 Sociological methodology and research methods
- 441007 Sociology and social studies of science and technology
- 441008 Sociology of culture
- 441009 Sociology of family and relationships
- 441010 Sociology of gender
- 441011 Sociology of health
- 441012 Sociology of inequalities
- 441013 Sociology of migration, ethnicity and multiculturalism
- 441014 Sociology of religion
- 441015 Sociology of the life course
- 441016 Urban sociology and community studies
- 441099 Sociology not elsewhere classified
- 4499 Other human society
- 449901 Studies of Asian society
- 449999 Other human society not elsewhere classified

#### 45 INDIGENOUS STUDIES

- 4501 Aboriginal and Torres Strait Islander culture, language and history
- 450101 Aboriginal and Torres Strait Islander archaeology
- 450102 Aboriginal and Torres Strait Islander artefacts
- 450103 Aboriginal and Torres Strait Islander cultural history
- 450104 Aboriginal and Torres Strait Islander culture
- 450105 Aboriginal and Torres Strait Islander curatorial, archives and museum studies
- 450106 Aboriginal and Torres Strait Islander ethics
- 450107 Aboriginal and Torres Strait Islander history
- 450108 Aboriginal and Torres Strait Islander linguistics and languages
- 450109 Aboriginal and Torres Strait Islander literature, journalism and professional writing
- 450110 Aboriginal and Torres Strait Islander media, film, animation and photography
- 450111 Aboriginal and Torres Strait Islander music and performing arts
- 450112 Aboriginal and Torres Strait Islander philosophy
- 450113 Aboriginal and Torres Strait Islander religion and religious studies
- 450114 Aboriginal and Torres Strait Islander repatriation
- 450115 Aboriginal and Torres Strait Islander research methods

450116 Aboriginal and Torres Strait Islander visual arts and crafts

450117 Aboriginal and Torres Strait Islander ways of knowing, being and doing

450118 Conservation of Aboriginal and Torres Strait Islander heritage

450199 Aboriginal and Torres Strait Islander culture, language and history not elsewhere classified

### 4502 Aboriginal and Torres Strait Islander education

450201 Aboriginal and Torres Strait Islander curriculum and pedagogy

450202 Aboriginal and Torres Strait Islander early childhood education

450203 Aboriginal and Torres Strait Islander educational methods

450204 Aboriginal and Torres Strait Islander technical, further, continuing and community education

450205 Aboriginal and Torres Strait Islander higher education

450206 Aboriginal and Torres Strait Islander language education

450207 Aboriginal and Torres Strait Islander men's education

450208 Aboriginal and Torres Strait Islander primary education

450209 Aboriginal and Torres Strait Islander secondary education

450210 Aboriginal and Torres Strait Islander student engagement and teaching

450211 Aboriginal and Torres Strait Islander women's education

450212 Cultural responsiveness and working with Aboriginal and Torres Strait Islander communities education

450213 Embedding Aboriginal and Torres Strait Islander knowledges, histories, culture, country, perspectives and ethics in education

450299 Aboriginal and Torres Strait Islander education not elsewhere classified

### 4503 Aboriginal and Torres Strait Islander environmental knowledges and management

450301 Aboriginal and Torres Strait Islander agriculture and forestry

450302 Aboriginal and Torres Strait Islander earth sciences

450303 Aboriginal and Torres Strait Islander environmental conservation

450304 Aboriginal and Torres Strait Islander environmental knowledges

450305 Aboriginal and Torres Strait Islander fisheries and customary fisheries

450306 Aboriginal and Torres Strait Islander land and water management

450307 Aboriginal and Torres Strait Islander marine environment science

450399 Aboriginal and Torres Strait Islander environmental knowledges and management not elsewhere classified

### 4504 Aboriginal and Torres Strait Islander health and wellbeing

450401 Aboriginal and Torres Strait Islander and disability

450402 Aboriginal and Torres Strait Islander biomedical and clinical sciences

- 450403 Aboriginal and Torres Strait Islander child health and wellbeing
- 450404 Aboriginal and Torres Strait Islander cultural determinants of health
- 450405 Aboriginal and Torres Strait Islander diet and nutrition
- 450406 Aboriginal and Torres Strait Islander epidemiology
- 450407 Aboriginal and Torres Strait Islander health policy
- 450408 Aboriginal and Torres Strait Islander health promotion
- 450409 Aboriginal and Torres Strait Islander health services
- 450410 Aboriginal and Torres Strait Islander lifecourse
- 450411 Aboriginal and Torres Strait Islander medicine and treatments
- 450412 Aboriginal and Torres Strait Islander men's health and wellbeing
- 450413 Aboriginal and Torres Strait Islander midwifery and paediatrics
- 450414 Aboriginal and Torres Strait Islander mothers and babies health and wellbeing
- 450415 Aboriginal and Torres Strait Islander nursing
- 450416 Aboriginal and Torres Strait Islander psychology
- 450417 Aboriginal and Torres Strait Islander public health and wellbeing
- 450418 Aboriginal and Torres Strait Islander remote health
- 450419 Aboriginal and Torres Strait Islander social determinants of health
- 450420 Aboriginal and Torres Strait Islander social, emotional, cultural and spiritual wellbeing
- 450421 Aboriginal and Torres Strait Islander sport and physical activity
- 450422 Aboriginal and Torres Strait Islander theory of change models for health
- 450423 Aboriginal and Torres Strait Islander youth and family social and emotional wellbeing
- 450499 Aboriginal and Torres Strait Islander health and wellbeing not elsewhere classified
- 4505 Aboriginal and Torres Strait Islander peoples, society and community
- 450501 Aboriginal and Torres Strait Islander accounting
- 450502 Aboriginal and Torres Strait Islander anthropology
- 450503 Aboriginal and Torres Strait Islander architecture
- 450504 Aboriginal and Torres Strait Islander commerce
- 450505 Aboriginal and Torres Strait Islander community and regional development
- 450506 Aboriginal and Torres Strait Islander community governance and decision making
- 450507 Aboriginal and Torres Strait Islander community-based research
- 450508 Aboriginal and Torres Strait Islander criminology
- 450509 Aboriginal and Torres Strait Islander customary law
- 450510 Aboriginal and Torres Strait Islander design practice and management

- 450511 Aboriginal and Torres Strait Islander economics
- 450512 Aboriginal and Torres Strait Islander finance
- 450513 Aboriginal and Torres Strait Islander human geography and demography
- 450514 Aboriginal and Torres Strait Islander legislation
- 450515 Aboriginal and Torres Strait Islander management
- 450516 Aboriginal and Torres Strait Islander marketing
- 450517 Aboriginal and Torres Strait Islander not-for-profit social enterprises
- 450518 Aboriginal and Torres Strait Islander peoples and the law
- 450519 Aboriginal and Torres Strait Islander perspectives
- 450520 Aboriginal and Torres Strait Islander political participation and representation
- 450521 Aboriginal and Torres Strait Islander politics
- 450522 Aboriginal and Torres Strait Islander social impact and program evaluation
- 450523 Aboriginal and Torres Strait Islander social work and social justice
- 450524 Aboriginal and Torres Strait Islander sociological studies
- 450525 Aboriginal and Torres Strait Islander sociology
- 450526 Aboriginal and Torres Strait Islander tourism
- 450527 Aboriginal and Torres Strait Islander urban and regional planning
- 450599 Aboriginal and Torres Strait Islander peoples, society and community not elsewhere classified

#### 4506 Aboriginal and Torres Strait Islander sciences

- 450601 Aboriginal and Torres Strait Islander astronomy and cosmology
- 450602 Aboriginal and Torres Strait Islander biological sciences
- 450603 Aboriginal and Torres Strait Islander computing technology use and design
- 450604 Aboriginal and Torres Strait Islander engineering
- 450605 Aboriginal and Torres Strait Islander genomics
- 450606 Aboriginal and Torres Strait Islander information and knowledge management systems
- 450607 Aboriginal and Torres Strait Islander innovation
- 450608 Aboriginal and Torres Strait Islander knowledge management methods

450609 Aboriginal and Torres Strait Islander mathematical, physical and chemical sciences (excl. astronomy and cosmology)

450699 Aboriginal and Torres Strait Islander sciences not elsewhere classified

## 4507 Te ahurea, reo me te hītori o te Māori (Māori culture, language and history)

- 450701 Te whāomoomo i te tuku ihotanga Māori (conservation of Māori heritage)
- 450702 Te mana wahine (female status)

450703 Te mana tāne (male status)

450704 Te mātai whaipara Māori (Māori archaeology)

450705 Ngā taonga Māori nō mua (Māori artefacts)

450706 Te hītori ahurea Māori (Māori cultural history)

450707 Te ahurea Māori (Māori culture)

450708 Ngā mātai kaitiaki, pūranga me ngā whare tongarewa o te Māori (Māori curatorial, archives and museum studies)

450709 Ngā matatika o te Māori (Māori ethics)

450710 Te hītori Māori (Māori history)

450711 Te whenua, ahurea me te tuakiri o te Māori (Māori land, culture and identity)

450712 Te mātai i te reo Māori me te reo Māori (Māori linguistics and languages)

450713 Te mātākōrero, te kawe kōrero me te tuhituhi ngaio o te Māori (Māori literature, journalism and professional writing)

450714 Ngā arapāho, ngā kiriata, te hākoritanga me te hopu whakaahua o te Māori (Māori media, film, animation and photography)

450715 Te puoro me ngā mahi a te rēhia o te Māori (Māori music and performing arts)

450716 Te rapunga whakaaro o te Māori (Māori philosophy)

450717 Ngā Kaupapa Māori (Māori projects)

450718 Te whakapono me te mātai whakapono o te Māori (Māori religion and religious studies)

450719 Te whakahoki taonga a te Māori ki te kāinga (Māori repatriation)

450720 Ngā tikanga rangahau o te Māori (Māori research methods)

450721 Ngā toi ataata ngā mahi ā-rehe o te Māori (Māori visual arts and crafts)

450799 Te ahurea, reo, me te hītori o te Māori kāore anō kia whakarōpūtia i wāhi kē (Māori culture, language and history not elsewhere classified)

#### 4508 Mātauranga Māori (Māori education)

450801 Ngā kōhanga reo (Māori curriculum and pedagogy)

450802 Te Whāriki - te mātauranga kōhungahunga Māori (Māori early childhood education)

450803 Ngā tikanga mātauranga o te Māori (Māori educational methods)

450804 Te mātauranga kura tuatoru Māori (Māori higher education)

450805 Te mātauranga reo Māori (Māori language education)

450806 Ngā kura kaupapa Māori (Māori primary education)

450807 Te urupare me te whai wāhi Māori ki te mātauranga (Māori responsiveness and engaged education)

450808 Te mātauranga kura tuarua Māori (Māori secondary education)

450809 Te whai wāhi ākonga me ngā mahi whakaako o te Māori (Māori student engagement and teaching)

450810 Tō te Māori mātauranga hangarau, mātauranga atu anō, mātauranga haere tonu, me te mātauranga hapori (Māori technical, further, continuing and community education)

450811 Te mātauranga Māori i roto i te mātauranga (Mātauranga Māori in education)

450899 Te mātauranga Māori kāore anō kia whakarōpūtia i wāhi kē (Māori education not elsewhere classified)

### 4509 Ngā mātauranga taiao o te Māori (Māori environmental knowledges)

450901 Te ahuwhenua me ngā mahi ngahere o te Māori (Māori agriculture and forestry)

450902 Ngā pūtaiao-ā-nuku o te Māori (Māori earth sciences)

450903 Te whāomoomo taiao o te Māori (Māori environmental conservation)

450904 Ngā mātauranga taiao o te Māori (Māori environmental knowledges)

450905 Te ahumoana me te ahumoana tuku iho o te Māori (Māori fisheries and customary fisheries)

450906 Te whakahaere whenua me te wai o te Māori (Māori land and water management)

450907 Te pūtaiao taiao moana o te Māori (Māori marine environment science)

450999 Ngā mātauranga taiao o te Māori kāore anō kia whakarōpūtia i wāhi kē (Māori environmental knowledges not elsewhere classified)

### 4510 Te hauora me te oranga o te Māori (Māori health and wellbeing)

451001 Te whaikaha me te Māori (Māori and disability)

451002 Ngā pūtaiao koiora-hauora, haumanu hoki o te Māori (Māori biomedical and clinical sciences)

451003 Ngā tokoingoa ahurea o te hauora o te Māori (Māori cultural determinants of health)

451004 Te horakai me ngā kai o te Māori (Māori diet and nutrition)

451005 Te mātai tahumaero o te Māori (Māori epidemiology)

451006 Ngā kaupapahere hauora o te Māori (Māori health policy)

451007 Te whakatairanga hauora o te Māori (Māori health promotion)

451008 Ngā wāhanga ora o te Māori (Māori life course)

451009 Ngā rongoā me ngā whakamaimoa o te Māori (Māori medicine and treatments)

451010 Ngā kaiwhakawhānau me te mātai mate tamariki o te Māori (Māori midwifery and paediatrics)

451011 Te hauora me te oranga ā-whaea, ā-pēpi o te Māori (Māori mothers and babies health and wellbeing)

- 451012 Te mahi tapuhi o te Māori (Māori nursing)
- 451013 Mātauranga hinengaro kaupapa Māori (Māori psychology)

451014 Ngā pūnaha mātauranga hinengaro o te Māori (Māori psychology knowledge systems)

451015 Te hauora me te oranga tūmatanui o te Māori (Māori public health and wellbeing)

451016 Te hauora mamao o te Māori (Māori remote health)

451017 Te oranga ā-pāpori, ā-hinengaro, ā-ahurea, ā-wairua o te Māori (Māori social, cultural, emotional and spiritual wellbeing)

451018 Ngā tokoingoa pāpori o te hauora o te Māori (Māori social determinants of health)

451019 Ngā hākinakina me te korikori tinana o te Māori (Māori sport and physical activity)

451020 Te ariā o ngā tauira panoni hauora o te Māori (Māori theory of change models for health)

451021 Ngā taiohi me ngā whānau Māori (Māori youth and family)

451099 Te hauora me te oranga o te Māori kāore anō kia whakarōpūhia i wāhi kē (Māori health and wellbeing not elsewhere classified)

### 4511 Ngā tāngata, te porihanga me ngā hapori o te Māori (Māori peoples, society and community)

451101 Te mahi kaute o te Māori (Māori accounting)

451102 Te mātauranga tikanga Māori (Māori anthropology)

451103 Te hoahoanga whare o te Māori (Māori architecture)

451104 Ngā mahi tauhokohoko o te Māori (Māori commerce)

451105 Te whanaketanga ā-hapori, ā-rohe o te Māori (Māori community and regional development)

451106 Te rangahau kei rō hapori o te Māori (Māori community-based research)

451107 Te kāwana ā-hapori, whakatau take hoki o te Māori (Māori community governance and decision making)

451108 Te mātauranga taihara Māori (Māori criminology)

451109 Ngā tikanga Māori (Māori customary law)

451110 Te whakaharatau me te whakahaere hoahoa o te Māori (Māori design practice and management)

451111 Te mātauranga ōhanga o te Māori (Māori economics)

451112 Te ahumoni Māori (Māori finance)

451113 Te mātauranga matawhenua ā-iwi me te tatauranga ā-iwi o te Māori (Māori human geography and demography)

451114 Te ture Whenua (Māori land law)

451115 Te ture me te tika Māori (Māori law and justice)

451116 Ngā ture Māori (Māori legislation)

451117 Te whakahaere o te Māori (Māori management)

451118 Te whakamākete o te Māori (Māori marketing)

451119 Ngā hinonga pāpori kaupapa atawhai o te Māori (Māori not-for-profit social enterprises)

451120 Ngā iwi Māori me te ture (Māori peoples and the law)

451121 Ngā tirohanga Māori (Māori perspectives)

451122 Te whai wāhi me te whakakanohi taha tōrāngapū o te Māori (Māori political participation and representation)

451123 Ngā mahi tōrangapū Māori (Māori politics)

451124 Ngā ture rawa Māori (Māori resource law)

451125 Te pāpātanga pāpori me te aromātai hōtaka o te Māori (Māori social impact and program evaluation)

451126 Ngā mahi tauwhiro me te tika pāpori o te Māori (Māori social work and social justice)

451127 Ngā mātai tikanga ā-iwi o te Māori (Māori sociological studies)

451128 Te mātauranga pāpori o te Māori (Māori sociology)

451129 Te mahi tāpoi Māori (Māori tourism)

451130 Te Tiriti o Waitangi (The Treaty of Waitangi)

451131 Te whakamahere ā-tāone, ā-rohe o te Māori (Māori urban and regional planning)

451199 Ngā tāngata, te porihanga me ngā hapori o te Māori kāore anō kia whakarōpūtia i wāhi kē (Māori peoples, society and community not elsewhere classified)

### 4512 Ngā pūtaiao Māori (Māori sciences)

451201 Te mātai arorangi me te mātai tuarangi o te Māori (Māori astronomy and cosmology)

451202 Ngā pūtaiao koiora o te Māori (Māori biological sciences)

451203 Te whakamahi me te hoahoa o te hangarau rorohiko o te Māori (Māori computing technology use and design)

451204 Te mana motuhake o ngā raraunga Māori (Māori data sovereignty)

451205 Te mātauranga pūkaha o te Māori (Māori engineering)

451206 Te mātai huingaira o te Māori (Māori genomics)

451207 Ngā pūnaha whakahaere mōhiohio me te mātauranga o te Māori (Māori information and knowledge management systems)

451208 Te wairua auaha o te Māori (Māori innovation)

451209 Ngā tikanga whakahaere mōhiotanga Māori (Māori knowledge management methods)

451210 Ngā pūtaiao pāngarau, ōkiko, matū hoki - hāunga te mātai arorangi me te mātai tuarangi o te Māori (Māori mathematical, physical and chemical sciences - excl. astronomy and cosmology)

451211 Te tukatuka reo noa o te Māori (Māori natural language processing)

451299 Ngā pūtaiao Māori kāore anō kia whakarōpūhia i wāhi kē (Māori sciences not elsewhere classified)

#### 4513 Pacific Peoples culture, language and history

451301 Archaeology of New Guinea and Pacific Islands (excl. New Zealand)

451302 Conservation of Pacific Peoples heritage

- 451303 Pacific Peoples artefacts
- 451304 Pacific Peoples cultural history
- 451305 Pacific Peoples culture

451306 Pacific Peoples curatorial, archives and museum studies

451307 Pacific Peoples ethics

451308 Pacific Peoples history

- 451309 Pacific Peoples land, culture and identity
- 451310 Pacific Peoples linguistics and languages
- 451311 Pacific Peoples literature, journalism and professional writing
- 451312 Pacific Peoples media, film, animation and photography
- 451313 Pacific Peoples music and performing arts
- 451314 Pacific Peoples philosophy
- 451315 Pacific Peoples religion and religious studies
- 451316 Pacific Peoples repatriation
- 451317 Pacific Peoples research methods
- 451318 Pacific Peoples visual arts and crafts
- 451319 Pacific Peoples ways of knowing, being and doing
- 451399 Pacific Peoples culture, language and history not elsewhere classified

### 4514 Pacific Peoples education

- 451401 Cultural responsiveness and working with Pacific Peoples communities education
- 451402 Embedding Pacific Peoples knowledges, histories, culture, country, perspectives and ethics in education
- 451403 Pacific Peoples curriculum and pedagogy
- 451404 Pacific Peoples early childhood education
- 451405 Pacific Peoples educational methods
- 451406 Pacific Peoples technical, further, continuing and community education
- 451407 Pacific Peoples higher education
- 451408 Pacific Peoples language education
- 451409 Pacific Peoples men's education
- 451410 Pacific Peoples primary education
- 451411 Pacific Peoples secondary education
- 451412 Pacific Peoples student engagement and teaching
- 451413 Pacific Peoples women's education
- 451499 Pacific Peoples education not elsewhere classified
- 4515 Pacific Peoples environmental knowledges
- 451501 Pacific Peoples agriculture and forestry
- 451502 Pacific Peoples earth sciences
- 451503 Pacific Peoples environmental conservation
- 451504 Pacific Peoples environmental knowledges

- 451505 Pacific Peoples fisheries and customary fisheries
- 451506 Pacific Peoples land and water management
- 451507 Pacific Peoples marine environment science
- 451599 Pacific Peoples environmental knowledges not elsewhere classified

### 4516 Pacific Peoples health and wellbeing

- 451601 Pacific Peoples and disability
- 451602 Pacific Peoples biomedical and clinical science
- 451603 Pacific Peoples cultural determinants of health
- 451604 Pacific Peoples diet and nutrition
- 451605 Pacific Peoples epidemiology
- 451606 Pacific Peoples health policy
- 451607 Pacific Peoples health promotion
- 451608 Pacific Peoples life course
- 451609 Pacific Peoples medicine and treatments
- 451610 Pacific Peoples midwifery and paediatrics
- 451611 Pacific Peoples mothers and babies health and wellbeing
- 451612 Pacific Peoples nursing
- 451613 Pacific Peoples psychology
- 451614 Pacific Peoples public health and wellbeing
- 451615 Pacific Peoples remote health
- 451616 Pacific Peoples social determinants of health
- 451617 Pacific Peoples social, cultural, emotional and spiritual wellbeing
- 451618 Pacific Peoples sport and physical activity
- 451619 Pacific Peoples theory of change models for health
- 451620 Pacific Peoples youth and family
- 451699 Pacific Peoples health and wellbeing not elsewhere classified
- 4517 Pacific Peoples sciences
- 451701 Pacific Peoples astronomy and cosmology
- 451702 Pacific Peoples biological sciences
- 451703 Pacific Peoples computing technology use and design
- 451704 Pacific Peoples engineering
- 451705 Pacific Peoples genomics
- 451706 Pacific Peoples information and knowledge management systems

- 451707 Pacific Peoples innovation
- 451708 Pacific Peoples knowledge management methods
- 451709 Pacific Peoples mathematical, physical and chemical sciences (excl. astronomy and cosmology)
- 451799 Pacific Peoples sciences not elsewhere classified

### 4518 Pacific Peoples society and community

- 451801 Pacific Peoples and the law
- 451802 Pacific Peoples anthropology
- 451803 Pacific Peoples architecture
- 451804 Pacific Peoples commerce
- 451805 Pacific Peoples community and regional development
- 451806 Pacific Peoples community governance and decision making
- 451807 Pacific Peoples community-based research
- 451808 Pacific Peoples criminology
- 451809 Pacific Peoples customary law
- 451810 Pacific Peoples design practice and management
- 451811 Pacific Peoples economics
- 451812 Pacific Peoples finance
- 451813 Pacific Peoples human geography and demography
- 451814 Pacific Peoples legislation
- 451815 Pacific Peoples management
- 451816 Pacific Peoples marketing
- 451817 Pacific Peoples not-for-profit social enterprises
- 451818 Pacific Peoples perspectives
- 451819 Pacific Peoples political participation and representation
- 451820 Pacific Peoples politics
- 451821 Pacific Peoples social impact and program evaluation
- 451822 Pacific Peoples social work and social justice
- 451823 Pacific Peoples sociological studies
- 451824 Pacific Peoples sociology
- 451825 Pacific Peoples tourism
- 451826 Pacific Peoples urban and regional planning
- 451899 Pacific Peoples, society and community not elsewhere classified

### 4519 Other Indigenous data, methodologies and global Indigenous studies

- 451901 Global Indigenous studies culture, language and history
- 451902 Global Indigenous studies environmental knowledges and management
- 451903 Global Indigenous studies health and wellbeing
- 451904 Global Indigenous studies peoples, society and community
- 451905 Global Indigenous studies sciences
- 451906 Indigenous data and data technologies
- 451907 Indigenous methodologies
- 451999 Other Indigenous data, methodologies and global Indigenous studies not elsewhere classified
- 4599 Other Indigenous studies
- 459999 Other Indigenous studies not elsewhere classified

## 46 INFORMATION AND COMPUTING SCIENCES

### 4601 Applied computing

- 460101 Applications in arts and humanities
- 460102 Applications in health
- 460103 Applications in life sciences
- 460104 Applications in physical sciences
- 460105 Applications in social sciences and education
- 460106 Spatial data and applications
- 460199 Applied computing not elsewhere classified

### 4602 Artificial intelligence

- 460201 Artificial life and complex adaptive systems
- 460202 Autonomous agents and multiagent systems
- 460203 Evolutionary computation
- 460204 Fuzzy computation
- 460205 Intelligent robotics
- 460206 Knowledge representation and reasoning
- 460207 Modelling and simulation
- 460208 Natural language processing
- 460209 Planning and decision making
- 460210 Satisfiability and optimisation
- 460211 Speech production
- 460212 Speech recognition

460299 Artificial intelligence not elsewhere classified

## 4603 Computer vision and multimedia computation

- 460301 Active sensing
- 460302 Audio processing
- 460303 Computational imaging
- 460304 Computer vision
- 460305 Image and video coding
- 460306 Image processing
- 460307 Multimodal analysis and synthesis
- 460308 Pattern recognition
- 460309 Video processing
- 460399 Computer vision and multimedia computation not elsewhere classified

## 4604 Cybersecurity and privacy

- 460401 Cryptography
- 460402 Data and information privacy
- 460403 Data security and protection
- 460404 Digital forensics
- 460405 Hardware security
- 460406 Software and application security
- 460407 System and network security
- 460499 Cybersecurity and privacy not elsewhere classified

## 4605 Data management and data science

- 460501 Data engineering and data science
- 460502 Data mining and knowledge discovery
- 460503 Data models, storage and indexing
- 460504 Data quality
- 460505 Database systems
- 460506 Graph, social and multimedia data
- 460507 Information extraction and fusion
- 460508 Information retrieval and web search
- 460509 Query processing and optimisation
- 460510 Recommender systems
- 460511 Stream and sensor data

460599 Data management and data science not elsewhere classified

## 4606 Distributed computing and systems software

460601 Cloud computing

- 460602 Concurrent/parallel systems and technologies
- 460603 Cyberphysical systems and internet of things
- 460604 Dependable systems
- 460605 Distributed systems and algorithms
- 460606 Energy-efficient computing
- 460607 High performance computing
- 460608 Mobile computing
- 460609 Networking and communications
- 460610 Operating systems
- 460611 Performance evaluation
- 460612 Service oriented computing
- 460699 Distributed computing and systems software not elsewhere classified

### 4607 Graphics, augmented reality and games

- 460701 Computer aided design
- 460702 Computer graphics
- 460703 Entertainment and gaming
- 460704 Interactive narrative
- 460705 Procedural content generation
- 460706 Serious games
- 460707 Sound and music computing
- 460708 Virtual and mixed reality
- 460799 Graphics, augmented reality and games not elsewhere classified

## 4608 Human-centred computing

- 460801 Accessible computing
- 460802 Affective computing
- 460803 Collaborative and social computing
- 460804 Computing education
- 460805 Fairness, accountability, transparency, trust and ethics of computer systems
- 460806 Human-computer interaction
- 460807 Information visualisation

- 460808 Mixed initiative and human-in-the-loop 460809 Pervasive computing 460810 Social robotics 460899 Human-centred computing not elsewhere classified 4609 Information systems 460901 Business process management 460902 Decision support and group support systems 460903 Information modelling, management and ontologies 460904 Information security management 460905 Information systems development methodologies and practice 460906 Information systems education 460907 Information systems for sustainable development and the public good 460908 Information systems organisation and management 460909 Information systems philosophy, research methods and theory 460910 Information systems user experience design and development 460911 Inter-organisational, extra-organisational and global information systems 460912 Knowledge and information management 460999 Information systems not elsewhere classified 4610 Library and information studies 461001 Digital curation and preservation 461002 Human information behaviour 461003 Human information interaction and retrieval 461004 Information governance, policy and ethics 461005 Informetrics 461006 Library studies 461007 Open access 461008 Organisation of information and knowledge resources 461009 Recordkeeping informatics 461010 Social and community informatics 461099 Library and information studies not elsewhere classified 4611 **Machine learning**
- 461101 Adversarial machine learning
- 461102 Context learning

- 461103 Deep learning
  461104 Neural networks
  461105 Reinforcement learning
  461106 Semi- and unsupervised learning
  461199 Machine learning not elsewhere classified
  4612 Software engineering
  461201 Automated software engineering
  461202 Empirical software engineering
  461203 Formal methods for software
- 461204 Programming languages
- 461205 Requirements engineering
- 461206 Software architecture
- 461207 Software quality, processes and metrics
- 461208 Software testing, verification and validation
- 461299 Software engineering not elsewhere classified

#### 4613 Theory of computation

- 461301 Coding, information theory and compression
- 461302 Computational complexity and computability
- 461303 Computational logic and formal languages
- 461304 Concurrency theory
- 461305 Data structures and algorithms
- 461306 Numerical computation and mathematical software
- 461307 Quantum computation
- 461399 Theory of computation not elsewhere classified

## 4699 Other information and computing sciences

469999 Other information and computing sciences not elsewhere classified

# 47 LANGUAGE, COMMUNICATION AND CULTURE

## 4701 Communication and media studies

- 470101 Communication studies
- 470102 Communication technology and digital media studies
- 470103 Environmental communication
- 470104 International and development communication

SOURCE: Australian Bureau of Statistics, 1297.0 Australian and New Zealand Standard Research Classification (ANZSRC) 2020 https://www.abs.gov.au/AUSSTATS/abs@.nsf/0/5D99AEA1DD8AA8E0CA2574180005421C?OpenDocument

- 470105 Journalism studies
- 470106 Media industry studies
- 470107 Media studies
- 470108 Organisational, interpersonal and intercultural communication
- 470199 Communication and media studies not elsewhere classified
- 4702 Cultural studies
- 470201 Arts and cultural policy
- 470202 Asian cultural studies
- 470203 Consumption and everyday life
- 470204 Cultural and creative industries
- 470205 Cultural studies of agriculture, food and wine
- 470206 Cultural studies of nation and region
- 470207 Cultural theory
- 470208 Culture, representation and identity
- 470209 Environment and culture
- 470210 Globalisation and culture
- 470211 Migrant cultural studies
- 470212 Multicultural, intercultural and cross-cultural studies
- 470213 Postcolonial studies
- 470214 Screen and media culture
- 470299 Cultural studies not elsewhere classified

# 4703 Language studies

- 470301 African languages
- 470302 Central and Eastern European languages (incl. Russian)
- 470303 Chinese languages
- 470304 Comparative language studies
- 470305 Early English languages
- 470306 English as a second language
- 470307 English language
- 470308 French language
- 470309 German language
- 470310 Iberian languages
- 470311 Indian languages

470312 Indonesian languages 470313 Italian language 470314 Japanese language 470315 Korean language 470316 Latin and classical Greek languages 470317 Middle Eastern languages 470318 Other Asian languages (excl. South-East Asian) 470319 Other European languages 470320 South-East Asian languages (excl. Indonesian) 470321 Translation and interpretation studies 470399 Language studies not elsewhere classified 4704 Linguistics 470401 Applied linguistics and educational linguistics 470402 Child language acquisition 470403 Computational linguistics 470404 Corpus linguistics 470405 Discourse and pragmatics 470406 Historical, comparative and typological linguistics 470407 Language documentation and description 470408 Lexicography and semantics 470409 Linguistic structures (incl. phonology, morphology and syntax) 470410 Phonetics and speech science 470411 Sociolinguistics 470499 Linguistics not elsewhere classified 4705 Literary studies 470501 African literature 470502 Australian literature (excl. Aboriginal and Torres Strait Islander literature) 470503 Book history 470504 British and Irish literature 470505 Central and Eastern European literature (incl. Russian) 470506 Children's literature 470507 Comparative and transnational literature 470508 Digital literature

- 470509 Ecocriticism
- 470510 Indian literature
- 470511 Indonesian literature
- 470512 Korean literature
- 470513 Latin and classical Greek literature
- 470514 Literary theory
- 470515 Literature in Chinese
- 470516 Literature in French
- 470517 Literature in German
- 470518 Literature in Italian
- 470519 Literature in Japanese
- 470520 Literature in Spanish and Portuguese
- 470521 Middle Eastern literature
- 470522 New Zealand literature (excl. Māori literature)
- 470523 North American literature
- 470524 Other Asian literature (excl. South-East Asian)
- 470525 Other European literature
- 470526 Other literatures in English
- 470527 Popular and genre literature
- 470528 Print culture
- 470529 South-East Asian literature (excl. Indonesian)
- 470530 Stylistics and textual analysis
- 470531 Young adult literature
- 470599 Literary studies not elsewhere classified

# 4799 Other language, communication and culture

479999 Other language, communication and culture not elsewhere classified

# 48 LAW AND LEGAL STUDIES

- 4801 Commercial law
- 480101 Banking, finance and securities law
- 480102 Commercial law
- 480103 Corporations and associations law
- 480104 Labour law

SOURCE: Australian Bureau of Statistics, 1297.0 Australian and New Zealand Standard Research Classification (ANZSRC) 2020 https://www.abs.gov.au/AUSSTATS/abs@.nsf/0/5D99AEA1DD8AA8E0CA2574180005421C?OpenDocument 480105 Not-for-profit law 480106 Taxation law 480199 Commercial law not elsewhere classified 4802 **Environmental and resources law** 480201 Animal law 480202 Climate change law 480203 Environmental law 480204 Mining, energy and natural resources law 480299 Environmental and resources law not elsewhere classified 4803 International and comparative law 480301 Asian and Pacific law 480302 Comparative law 480303 Conflict of laws (incl. private international law) 480304 European Union law 480305 International arbitration 480306 International criminal law 480307 International humanitarian and human rights law 480308 International trade and investment law 480309 Ocean law and governance 480310 Public international law 480311 Space, maritime and aviation law 480399 International and comparative law not elsewhere classified 4804 Law in context 480401 Criminal law 480402 Family law 480403 Law and humanities 480404 Law and religion 480405 Law and society and socio-legal research 480406 Law reform 480407 Law, gender and sexuality (incl. feminist legal scholarship) 480408 Law, science and technology 480409 Legal education 480410 Legal theory, jurisprudence and legal interpretation

480411	Media and communication law
480412	Medical and health law
480413	Race, ethnicity and law
480414	Sports law
480499	Law in context not elsewhere classified
4805	Legal systems
480501	Access to justice
480502	Civil procedure
480503	Criminal procedure
480504	Legal institutions (incl. courts and justice systems)
480505	Legal practice, lawyering and the legal profession
480506	Litigation, adjudication and dispute resolution
480507	Youth justice
480599	Legal systems not elsewhere classified
4806	Private law and civil obligations
480601	Contract law
480602	Equity and trusts law
480603	Intellectual property law
480604	Property law (excl. intellectual property law)
480605	Tort law
480699	Private law and civil obligations not elsewhere classified
4807	Public law
480701	Administrative law
480702	Constitutional law
480703	Domestic human rights law
480704	Migration, asylum and refugee law
480705	Military law and justice
480706	Privacy and data rights
480707	Welfare, insurance, disability and social security law
480799	Public law not elsewhere classified
4899	Other law and legal studies

489999 Other law and legal studies not elsewhere classified

### 49 MATHEMATICAL SCIENCES

#### 4901 Applied mathematics

- 490101 Approximation theory and asymptotic methods
- 490102 Biological mathematics
- 490103 Calculus of variations, mathematical aspects of systems theory and control theory
- 490104 Complex systems
- 490105 Dynamical systems in applications
- 490106 Financial mathematics
- 490107 Mathematical methods and special functions
- 490108 Operations research
- 490109 Theoretical and applied mechanics
- 490199 Applied mathematics not elsewhere classified

### 4902 Mathematical physics

- 490201 Algebraic structures in mathematical physics
- 490202 Integrable systems (classical and quantum)
- 490203 Mathematical aspects of classical mechanics, quantum mechanics and quantum information theory
- 490204 Mathematical aspects of general relativity
- 490205 Mathematical aspects of quantum and conformal field theory, quantum gravity and string theory
- 490206 Statistical mechanics, physical combinatorics and mathematical aspects of condensed matter
- 490299 Mathematical physics not elsewhere classified

#### 4903 Numerical and computational mathematics

- 490301 Experimental mathematics
- 490302 Numerical analysis
- 490303 Numerical solution of differential and integral equations
- 490304 Optimisation
- 490399 Numerical and computational mathematics not elsewhere classified

# 4904 Pure mathematics

- 490401 Algebra and number theory
- 490402 Algebraic and differential geometry
- 490403 Category theory, k theory, homological algebra
- 490404 Combinatorics and discrete mathematics (excl. physical combinatorics)
- 490405 Group theory and generalisations
- 490406 Lie groups, harmonic and Fourier analysis

- 490407 Mathematical logic, set theory, lattices and universal algebra
- 490408 Operator algebras and functional analysis
- 490409 Ordinary differential equations, difference equations and dynamical systems
- 490410 Partial differential equations
- 490411 Real and complex functions (incl. several variables)
- 490412 Topology
- 490499 Pure mathematics not elsewhere classified
- 4905 Statistics
- 490501 Applied statistics
- 490502 Biostatistics
- 490503 Computational statistics
- 490504 Forensic evaluation, inference and statistics
- 490505 Large and complex data theory
- 490506 Probability theory
- 490507 Spatial statistics
- 490508 Statistical data science
- 490509 Statistical theory
- 490510 Stochastic analysis and modelling
- 490511 Time series and spatial modelling
- 490599 Statistics not elsewhere classified
- 4999 Other mathematical sciences
- 499999 Other mathematical sciences not elsewhere classified

# 50 PHILOSOPHY AND RELIGIOUS STUDIES

- 5001 Applied ethics
- 500101 Bioethics
- 500102 Business ethics
- 500103 Ethical use of new technology
- 500104 Human rights and justice issues (excl. law)
- 500105 Legal ethics
- 500106 Medical ethics
- 500107 Professional ethics
- 500199 Applied ethics not elsewhere classified

### 5002 History and philosophy of specific fields

- 500201 History and philosophy of engineering and technology 500202 History and philosophy of law and justice 500203 History and philosophy of medicine 500204 History and philosophy of science 500205 History and philosophy of the humanities 500206 History and philosophy of the social sciences 500207 History of ideas 500208 History of philosophy 500299 History and philosophy of specific fields not elsewhere classified 5003 Philosophy 500301 Aesthetics 500302 Critical theory 500303 Decision theory 500304 Environmental philosophy 500305 Epistemology 500306 Ethical theory 500307 Hermeneutics 500308 Logic 500309 Metaphysics 500310 Phenomenology
- 500311 Philosophical psychology (incl. moral psychology and philosophy of action)
- 500312 Philosophy of cognition
- 500313 Philosophy of gender
- 500314 Philosophy of language
- 500315 Philosophy of mind (excl. cognition)
- 500316 Philosophy of religion
- 500317 Philosophy of science (excl. history and philosophy of specific fields)
- 500318 Philosophy of specific cultures (incl. comparative philosophy)
- 500319 Poststructuralism
- 500320 Psychoanalytic philosophy
- 500321 Social and political philosophy
- 500399 Philosophy not elsewhere classified

#### 5004 Religious studies

- 500401 Christian studies
- 500402 Comparative religious studies
- 500403 Islamic studies
- 500404 Jewish studies
- 500405 Religion, society and culture
- 500406 Studies in eastern religious traditions
- 500407 Studies in religious traditions (excl. Eastern, Jewish, Christian and Islamic traditions)
- 500499 Religious studies not elsewhere classified
- 5005 Theology
- 500501 Theology
- 500599 Theology not elsewhere classified
- 5099 Other philosophy and religious studies
- 509999 Other philosophy and religious studies not elsewhere classified

## 51 PHYSICAL SCIENCES

#### 5101 Astronomical sciences

- 510101 Astrobiology
- 510102 Astronomical instrumentation
- 510103 Cosmology and extragalactic astronomy
- 510104 Galactic astronomy
- 510105 General relativity and gravitational waves
- 510106 High energy astrophysics and galactic cosmic rays
- 510107 Planetary science (excl. solar system and planetary geology)
- 510108 Solar physics
- 510109 Stellar astronomy and planetary systems
- 510199 Astronomical sciences not elsewhere classified

## 5102 Atomic, molecular and optical physics

- 510201 Atomic and molecular physics
- 510202 Lasers and quantum electronics
- 510203 Nonlinear optics and spectroscopy
- 510204 Photonics, optoelectronics and optical communications
- 510205 Terahertz physics

510299 Atomic, molecular and optical physics not elsewhere classified

### 5103 Classical physics

- 510301 Acoustics and acoustical devices; waves
- 510302 Classical and physical optics
- 510303 Electrostatics and electrodynamics
- 510304 Thermodynamics and statistical physics
- 510399 Classical physics not elsewhere classified

### 5104 Condensed matter physics

- 510401 Condensed matter characterisation technique development
- 510402 Condensed matter imaging
- 510403 Condensed matter modelling and density functional theory
- 510404 Electronic and magnetic properties of condensed matter; superconductivity
- 510405 Soft condensed matter
- 510406 Structural properties of condensed matter
- 510407 Surface properties of condensed matter
- 510499 Condensed matter physics not elsewhere classified

#### 5105 Medical and biological physics

- 510501 Biological physics
- 510502 Medical physics
- 510599 Medical and biological physics not elsewhere classified

### 5106 Nuclear and plasma physics

- 510601 Nuclear physics
- 510602 Plasma physics; fusion plasmas; electrical discharges
- 510699 Nuclear and plasma physics not elsewhere classified

# 5107 Particle and high energy physics

- 510701 Astroparticle physics and particle cosmology
- 510702 Field theory and string theory
- 510703 Particle physics
- 510799 Particle and high energy physics not elsewhere classified

#### 5108 Quantum physics

- 510801 Degenerate quantum gases and atom optics
- 510802 Foundations of quantum mechanics
- 510803 Quantum information, computation and communication

- 510804 Quantum optics and quantum optomechanics
- 510805 Quantum technologies
- 510899 Quantum physics not elsewhere classified

## 5109 Space sciences

- 510901 Astrodynamics and space situational awareness
- 510902 Heliophysics and space weather
- 510903 Mesospheric, thermospheric, ionospheric and magnetospheric physics
- 510904 Solar system energetic particles
- 510905 Solar system planetary science (excl. planetary geology)
- 510906 Space instrumentation
- 510999 Space sciences not elsewhere classified

## 5110 Synchrotrons and accelerators

- 511001 Accelerators
- 511002 Instruments and techniques
- 511003 Synchrotrons
- 511099 Synchrotrons and accelerators not elsewhere classified

#### 5199 Other physical sciences

- 519901 Complex physical systems
- 519999 Other physical sciences not elsewhere classified

## 52 PSYCHOLOGY

### 5201 Applied and developmental psychology

- 520101 Child and adolescent development
- 520102 Educational psychology
- 520103 Forensic psychology
- 520104 Industrial and organisational psychology (incl. human factors)
- 520105 Psychological methodology, design and analysis
- 520106 Psychology of ageing
- 520107 Sport and exercise psychology
- 520108 Testing, assessment and psychometrics
- 520199 Applied and developmental psychology not elsewhere classified

## 5202 Biological psychology

520201 Behavioural genetics

- 520202 Behavioural neuroscience
- 520203 Cognitive neuroscience
- 520204 Evolutionary psychological studies
- 520205 Psychopharmacology
- 520206 Psychophysiology
- 520207 Social and affective neuroscience
- 520299 Biological psychology not elsewhere classified

## 5203 Clinical and health psychology

- 520301 Clinical neuropsychology
- 520302 Clinical psychology
- 520303 Counselling psychology
- 520304 Health psychology
- 520399 Clinical and health psychology not elsewhere classified

### 5204 Cognitive and computational psychology

- 520401 Cognition
- 520402 Decision making
- 520403 Learning, motivation and emotion
- 520404 Memory and attention
- 520405 Psycholinguistics (incl. speech production and comprehension)
- 520406 Sensory processes, perception and performance
- 520499 Cognitive and computational psychology not elsewhere classified

## 5205 Social and personality psychology

- 520501 Community psychology
- 520502 Gender psychology
- 520503 Personality and individual differences
- 520504 Psychology of religion
- 520505 Social psychology
- 520599 Social and personality psychology not elsewhere classified
- 5299 Other psychology
- 529999 Other psychology not elsewhere classified