
Detailed field descriptions

May 2015
**Detailed field descriptions**

This document describes the subject content of each of the detailed fields of the 2013 revision of the ISCED Fields of Education and Training classification (ISCED-F 2013). Where possible each description gives examples both of subjects which belong to each field and some boundary cases which are included in other fields. Such exclusions help to better distinguish one field from another especially where the content of two fields appears to be similar.

At the end of the document there are alphabetical and numerical listings of subjects and fields. These lists include more examples of subjects than are mentioned in the field descriptions themselves.

A summary of all possible field codes and their place in the classification hierarchy is also included.
Generic programmes and qualifications

Generic programmes and qualifications are those providing fundamental and personal skills education which cover a broad range of subjects and do not emphasise or specialise in a particular broad or narrow field.

This broad field should not be used as a residual category. Programmes and qualifications with a **specific subject emphasis** should be classified in broad fields 01 to 10. In particular, education at the tertiary level should only by way of exception be classified here.

**001  Basic programmes and qualifications**

**0011  Basic programmes and qualifications**

**Basic programmes and qualifications** are designed to provide participants with fundamental skills in reading, writing and arithmetic along with an elementary understanding of other subjects such as history, geography, natural science, social science, art and music, and in some cases religious instruction. These programmes and qualifications are normally offered at primary and lower secondary levels. Broad, non-specialised programmes at upper secondary level are also classified here even if there is **some** concentration on, for example, humanities, social science, natural science etc. Vocational programmes and qualifications are included here only by way of exception.

Programmes and qualifications with the following main subject content are classified here:

- Basic programmes and qualifications
- Broad, generic (non-specialised) programmes and qualifications
- General programmes and qualifications with no specific subject emphasis
- Programmes and qualifications at primary level

**Inclusions:**

**Basic programmes and qualifications** at upper secondary level (in some countries at lower secondary level) with **some emphasis on e.g. humanities, social sciences or natural sciences** but still covering other fields of knowledge are included in this detailed field. In some countries such programmes or qualifications are offered on a modular basis and should also be classified here.

**Exclusions:**

Programmes that are considered as general in the programme orientation sense (non-vocational) but have a **clear** emphasis on a detailed, narrow or broad field are excluded from this detailed field and included in one of the broad fields 01-10, depending on the subject covered.

**002  Literacy and numeracy**

**0021  Literacy and numeracy**

**Literacy and numeracy** are programmes or qualifications arranged mainly for **adults**, designed to teach fundamental skills in reading, writing and arithmetic. The typical age range of participants can be used to distinguish between detailed field 0011 'Basic programmes and qualifications' and this detailed field.

Programmes and qualifications with the following main content are classified here:

- Basic remedial programmes for youth or adults
- Literacy
- Numeracy
003  **Personal skills**

0031  **Personal skills**

**Personal skills** are defined by reference to the effects on the individual’s capacity (mental, social etc.). This detailed field covers personal skills programmes not included in 0011 ‘Basic programmes and qualifications’ or 0021 ‘Literacy and numeracy’, giving key competencies and transferable skills.

Programmes and qualifications with the following main content are classified here:

- Argumentation and presentation
- Assertiveness training
- Communication skills
- Co-operation
- Development of behavioural capacities
- Development of mental skills
- Job-seeking programmes
- Parenting courses
- Public speaking
- Self-esteem skills
- Social competence
- Time management

**Inclusions:**

Education and training in *leadership* in the context of *personal development* is included here.

Education and training related to the *work place* or to *work assignments* is included in this detailed field if it has more to do with personal development than work development. Personal skills courses can be taught at the workplace, but still be classified here based on their content.

Programmes for people with special needs on how to *cope with their daily life* are included here.

**Exclusions:**

Study of *leadership* in the context of *management* is excluded from this group and included in detailed field 0413 ‘Management and administration’.
01 Education

011 Education

0111 Education science

*Education science* is the study of the learning process and the theories, methods and techniques of imparting knowledge to others.

Programmes and qualifications with the following main content are classified here:

- Curriculum studies
- Didactics
- Educational assessment, testing and measurement
- Educational evaluation and research
- Paedagogical sciences

*Exclusions:*

*Teacher training programmes* which combine education science with the practice of teaching are excluded from this detailed field and included in one of the detailed fields for teacher training (0112-0114).

0112 Training for pre-school teachers

*Training for pre-school teachers* is the study of the theories, methods and practice of teaching very young children up to 7 years of age within formal school settings at pre-primary or early childhood educational development levels.

Programmes and qualifications with the following main content are classified here:

- Early childhood teaching (within formal school settings)
- Pre-primary teacher training

*Exclusions:*

Training in caring for children outside formal school settings is excluded from this detailed field and included in detailed field 0922 “Child care and youth services”

0113 Teacher training without subject specialisation

*Training for teachers without subject specialisation* is the study of the theories, methods and practice of providing children between approximately 5 and 15 years of age with the fundamental skills in reading, writing and mathematics along with an elementary understanding of other subjects such as history, geography, social science etc and laying the foundation for lifelong learning. Subject specialisation is stressed less than in detailed field 0114 ‘Teacher training with subject specialisation’. The study of teaching children with special needs is included in this detailed field, likewise the study of teaching adults fundamental reading and writing skills and teaching immigrants these types of skills in their home or first language.

Programmes and qualifications with the following main content are classified here:

- Class teacher training
- Indigenous teacher training
- Primary teaching
- Teacher training for children with special needs

*Inclusions:*

The study of *teaching adults basic literacy and numeracy* skills is included here. *Teacher’s aide (teaching assistant)* is also included here.
Exclusions:

Teacher training with subject specialisation even if intended for the teaching of children in primary or lower secondary education is excluded from this detailed field and included in detailed field 0114 ‘Teacher training with subject specialisation’.

0114 Teacher training with subject specialisation

Teacher training with subject specialisation is the study of the theories, methods and practice of teaching a specific subject, mostly at secondary or higher levels of education. Programmes and qualifications included in this detailed field often comprise both studies as well as the subject/subjects that are going to be taught.

Programmes and qualifications with the following main content are classified here:

- Teacher training – arts and crafts
- Teacher training – commercial subjects
- Teacher training – music
- Teacher training – nursing
- Teacher training – physical training
- Teacher training – second languages
- Teacher training – specific theoretical subjects, e.g. English, mathematics, history
- Teacher training – technical subjects
- Teacher training – vocational subjects
- Training of driving instructors
- Training of trainers

Inclusions:

Teacher training courses for university teachers, instructors of work place and working life skills and in practical and artistic subjects are included here.

Exclusions:

Training of sports trainers is excluded from this detailed field and included in detailed field 1014 ‘Sports’.

018 Inter-disciplinary programmes and qualifications involving education

0188 Inter-disciplinary programmes and qualifications involving education

Inter-disciplinary programmes and qualifications to which the greatest intended learning time is devoted to education are classified here.
02 Arts and Humanities

021 Arts

0211 Audio-visual techniques and media production

Audio-visual techniques and media production is the study of techniques and skills to produce books or newspapers, radio or TV production, film or video production, recorded music production and graphic reproduction. It includes programmes and qualifications in methods of colour reproduction, photography and computer graphics. Study of combining pictures, words and decorations in the production of books, magazines, posters, adverts etc. is also included.

Programmes and qualifications with the following main content are classified here:

- Animation
- Bookbinding
- Camera operating
- Compositing (printing)
- Computer game production
- Computer type-setting
- Film and video production
- Graphic design
- Graphic reproduction
- Illustration
- Interactive media design
- Media techniques
- Multimedia production
- Photography
- Pre-press operations
- Print finishing and binding
- Printing
- Publishing design, lay-out
- Radio and TV production
- Recorded music production
- Sound techniques
- Type-setting

Inclusions:

Desktop publishing and lay-out are included here.

Exclusions:

Programmes and qualifications in the use of specific software applications for desktop publishing and website development are excluded from this detailed field and included in detailed field 0611 ‘Computer use’.

Study of journalism (wording and content of messages) is excluded from this detailed field and included in detailed field 0321 ‘Journalism and reporting’.

0212 Fashion, interior and industrial design

Fashion, interior and industrial design is the study of creatively combining line, form and fabric in designing and constructing e.g. fashion garments, industrial products and interiors.

Programmes and qualifications with the following main content are classified here:

- Costume design
- Design of industrial products
- Fashion design
- Interior architecture
- Interior design
- Stage designing
- Window dressing
Exclusions:

Study of **Building design** is excluded from this detailed field and included in detailed field 0731 ‘Architecture and town planning’.

Study of **Industrial design** is excluded from this detailed field if emphasis is given to technical subjects and not to artistic design, and included in the appropriate detailed field under 071 ‘Engineering and engineering trades’.

**Publishing design** and **graphic design** are excluded from this detailed field and included in detailed field 0211 ‘Audio-visual techniques and media production’.

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### 0213 Fine arts

**Fine arts** is the study of visual forms of creative expression, dealing with theory, history, techniques, performance and production in fine arts.

Programmes and qualifications with the following main content are classified here:

- Art theory
- Calligraphy
- Etching
- Fine art printmaking
- History of art
- Painting
- Philosophy of art
- Sculpture

**Exclusions:**

Training in **ceramics, pottery etc** is excluded from this detailed field and included in detailed field 0214 ‘Handicrafts’.

Study of **architecture** is excluded from this detailed field and included in detailed field 0731 ‘Architecture and town planning’.

**Teacher training** in arts is excluded from this detailed field and included in detailed field 0114 ‘Teacher training with subject specialisation’.

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### 0214 Handicrafts

**Handicrafts** is the study of techniques and skills in a chosen craft, such as jewellery, pottery, weaving, woodcarving etc.

Programmes and qualifications with the following main content are classified here:

- Ceramics
- Crafts, folk arts and artisan
- Decorative metal crafts
- Indigenous crafts
- Embroidery
- Floristry (flower arranging)
- Glass arts and craft
- Goldsmithing
- Jewellery
- Making of musical instruments (not industrial)
- Musical instruments (repairing and tuning)
- Silversmithing
- Stone carving (craft)
- Weaving (craft)
- Woodcarving

**Exclusions:**

Study of **industrial (large scaled mechanised) production** of pottery, woven materials, embroidery etc. is excluded from this field and included in one of the detailed fields under broad field 07 ‘Engineering, manufacturing and construction’.
**0215  Music and performing arts**

*Music and performing arts* is the study of the principles and techniques associated with performance involving music, speech, movement, mime, characterisation, improvisation and stage craft.

Programmes and qualifications with the following main content are classified here:

- Acting and directing
- Ballet
- Choreography
- Circus
- Composition (music)
- Conducting (music)
- Creative and performance art
- Dance
- Drama
- History of film and theatre
- History of music
- Music
- Music conducting
- Musicology
- Theatre/Theatre sciences

*Inclusions:*  
Study of music and performing arts *history and theory* is included here.

*Exclusions:*  
*Teacher training* in music and other performing arts is excluded from this detailed field and included in detailed field 0114 ‘Teacher training with subject specialisation’.

**022  Humanities (except languages)**

**0221  Religion and theology**

*Religion and theology* is the study of religious beliefs, concepts, symbols, expressions and texts of spirituality.

Programmes and qualifications with the following main content are classified here:

- Religious history
- Study of sacred books
- Study of different religions
- Theology

*Inclusions:*  
Included in this detailed field are programmes for children and young people, usually given in religious schools or seminars, in monasteries etc, *aiming to develop an interest in the tenets of their religion* and sufficient familiarity with its philosophy to assist in the propagation of their faith.

*Exclusions:*  
*Basic programmes given in religious schools*, seminars etc. containing religious instruction but not emphasising it or leading to a religious vocation, are excluded from this detailed field and included in 0011 ‘Basic programmes and qualifications’. *Islamic sharia* programmes and qualifications are excluded from this detailed field and included in detailed field 0421 ‘Law’.

**0222  History and archaeology**

*History* is the study of past events, especially the political, social and economic development of a country, a continent or the world. History of medicine is classified here, likewise the study of history of science and ideas. *Archaeology* is the study of ancient civilisations by scientific analysis of what is found in the ground.
Programmes and qualifications with the following main content are classified here:

- Archaeology
- Cultural history
- Folklore studies
- History
- History of literature
- History of medicine
- History of science and ideas
- History of technology

Inclusions:

*Restoration and preservation* of artistic heritage are included here.

**Exclusions:**

Study of *literature combined with study of a specific language* is excluded from this detailed field and included in detailed field 0232 ‘Literature and linguistics’.

Study of *classical languages* (Latin etc.) is excluded from this detailed field and included in detailed field 0231 ‘Language acquisition’.

Study of *History of art* is excluded from this detailed field and included in detailed field 0213 ‘Fine arts’.

Study of *Music and performing arts history* is excluded from this detailed field and included in detailed field 0215 ‘Music and performing arts’.

Study of *Economic history/history of economics* is excluded from this detailed field and included in detailed field 0311 ‘Economics’.

**0223 Philosophy and ethics**

*Philosophy and ethics* is the study of philosophy, ethics and related subjects dealing with the conception of life.

Programmes and qualifications with the following main content are classified here:

- Ethics
- Logic
- Morals
- Philosophy

**Exclusions:**

Study of *religion* is excluded from this detailed field and included in detailed field 0221 ‘Religion’.

Study of *Philosophy of arts* is excluded from this detailed field and is included in detailed field 0213 ‘Fine arts’

**023 Languages**

**0231 Language acquisition**

*Language acquisition* is the study of the structure and composition of languages taught as second or foreign languages (i.e. that are intended for non-native or non-fluent speakers of the language). It includes the study of related cultures, literature, linguistics and phonetics if related to the specific language being acquired and forms part of the same programme or qualification. Classical or dead languages are included here as it is assumed there are no native speakers of the language and hence the manner of teaching and the content of the curriculum are more similar to the teaching of foreign languages.
Programmes and qualifications with the following main content are classified here:

- Classical languages
- Exogenous languages
- Foreign languages
- Interpretation
- Phonetics
- Second languages, for example English as a second language
- Sign language
- Sign language interpreting
- Translation

**Inclusions:**

Language and linguistics studies are included here if the linguistics are related to a specific language or languages being acquired and forming part of the same programme or qualification. Translation and interpretation are included here.

**Exclusions:**

The study of the mother tongue or first language (i.e. that are intended for native, fluent or competent speakers of the language), even if this language is not a national language of the country of study (e.g. programmes for immigrants learning their mother tongue) are excluded from this detailed field and included in detailed field 0232 ‘Literature and linguistics’.

0232  Literature and linguistics

**Literature and linguistics** is here defined as the study of language(s) intended for native, fluent or competent speakers of the language. It includes the study of related literature and linguistics and may or may not include the structure and composition of the language.

Programmes and qualifications with the following main content are classified here:

- Creative writing
- First language
- Indigenous languages
- Linguistics
- Literature
- “Mother tongue” languages
- Native first languages

**Inclusions:**

Languages taught as the first language (“mother tongue”), even if the language is not the national language of the country of study (e.g. programmes for immigrants in their home or first language) are included here. Local and regional languages are included here if they are first languages spoken by a significant minority in the country and are intended for at least competent speakers of the language.

Study of comparative literature is included here. Study of general linguistics (not related to the study of a particular language) is included here. Study of literature in general (not combined with study of a special language) is included here.

**Exclusions:**

Language programmes are excluded from this detailed field if the language is taught as a foreign or a second language, and are then included in 0231 ‘Language acquisition’.

Programmes in literacy and numeracy are excluded from this detailed field and included in detailed field 0021 ‘Literacy and numeracy’.

Sign language programmes are excluded from this detailed field and included in detailed field 0231 ‘Language acquisition’.


028  *Inter-disciplinary programmes and qualifications involving arts and humanities*

0288  *Inter-disciplinary programmes and qualifications involving arts and humanities*

*Inter-disciplinary programmes and qualifications* to which the greatest intended learning time is devoted to arts and humanities are classified here.
03 Social Sciences, Journalism and Information

031 Social and behavioural sciences

0311 Economics

Economics is the study of economic policy, economic theory and economic decision making.

Programmes and qualifications with the following main content are classified here:

- Econometrics
- Economic history
- Economics
- Political economics

Exclusions:

Study of economics where emphasis is given to business studies is excluded from this detailed field and classified under 041 ‘Business and administration’. Study of home economics is excluded from this detailed field and included in the detailed field 1011 ‘Domestic services’.

0312 Political sciences and civics

Political sciences and civics is the study of government and political principles or practice. The study of the rights and duties of the citizens are included here.

Programmes and qualifications with the following main content are classified here:

- Civics
- Human rights
- International relations
- Peace and conflict studies
- Political history
- Political science
- Public policy studies

Exclusions:

Study of political economics is excluded from this detailed field and included in the detailed field 0311 ‘Economics’.

0313 Psychology

Psychology is the study of the human mind and behaviour as a result of individual differences, experience and environment.

Programmes and qualifications with the following main content are classified here:

- Cognitive science
- Psychoanalysis
- Psychology
- Psychotherapy

0314 Sociology and cultural studies

Sociology and cultural studies is the study of human beings and the way they behave in groups and in relation to society. The study of ethnology and social anthropology are included here, likewise the study of human and social geography.

Programmes and qualifications with the following main content are classified here:

- Criminology
- Cultural geography
- Cultural studies
- Demography/population studies
Exclusions:

Social welfare where emphasis is given to practical social work is excluded from this detailed field and included in detailed field 0923 ‘Social work and counselling’.

Physical geography is excluded from this detailed field and included in detailed field 0532 ‘Earth science’.

032  Journalism and information

0321  Journalism and reporting

Journalism and reporting is the study of the theory and practices of journalism/reporting as part of the field of mass communication. Journalism and reporting is about the wording and content of messages. It comprises news reporting, writing commentaries and feature stories of public interest etc.

Programmes and qualifications with the following main content are classified here:

- Broadcast journalism
- Editing
- Information (wording and content)
- Journalism
- Mass communication (wording and content)
- News reporting

Exclusions:

Study of techniques for mass communication (e.g. printing and radio/TV production) is excluded from this detailed field and included in detailed field 0211 ‘Audio-visual techniques and media production’.

Study of lay-out and publishing design is excluded from this detailed field and included in detailed field 0211 ‘Audio-visual techniques and media production’.

Study of public relations is excluded from this detailed field and included in detailed field 0414 ‘Marketing and advertising’.

0322  Library, information and archival studies

Library, information and archival studies is the study of the methods of selecting, acquiring, organizing and storing collections of information, and facilitating the use of information. Museum and library studies are included here.

Programmes and qualifications with the following main content are classified here:

- Archival sciences
- Curatorial studies
- Documentation
- Information science
- Library studies
- Museum documentation
- Museum studies
- Museology

Exclusions:

Restoration and preservation of artistic heritage are excluded from this field and included in field 0222 ‘History and archaeology’.
038 Inter-disciplinary programmes and qualifications involving social sciences, journalism and information

0388 Inter-disciplinary programmes and qualifications involving social sciences, journalism and information

Inter-disciplinary programmes and qualifications to which the greatest intended learning time is devoted to social sciences, journalism and information are classified here.
04 **Business, Administration and Law**

041 **Business and administration**

0411 **Accounting and taxation**

*Accounting and taxation* is the study of maintaining, auditing and recording financial transactions.

Programmes and qualifications with the following main content are classified here:

- Accounting
- Auditing
- Bookkeeping
- Tax accounting
- Tax management

**Exclusions:**

Study of *tax laws* is excluded from this detailed field and included in detailed field 0421 ‘Law’.

0412 **Finance, banking and insurance**

*Finance, banking and insurance* is the study of planning, directing, organizing and controlling financial activities and services. It includes the control and monitoring of the financial resources of organizations, institutions and individuals, and the provision of financial services at the corporate and individual level.

Programmes and qualifications with the following main content are classified here:

- Bank teller studies
- Banking and finance
- Finance theory
- Insurance
- Investment analysis
- Investments and securities
- Pension insurance
- Social insurance
- Stock-broking

**Exclusions:**

Study of *actuarial science* is excluded from this detailed field and included in detailed field 0542 ‘Statistics’.

0413 **Management and administration**

*Management and administration* is the study of planning, directing and operating the functions and activities of organizations and institutions. Programmes in management also including administration, economics, finance etc. are included here if emphasis is given to management and administration.

Programmes and qualifications with the following main content are classified here:

- Administration
- Educational management
- Employment management
- Entrepreneurship
- Health administration
- Logistic management
- Management science
- Office management
- Organizational theory and behaviour
- Personnel administration
- Personnel management
- ‘Start your own business’ courses
Supply change management
Training management

Inclusions:
Study of leadership in the context of management is included here.

Exclusions:
Training in leadership in the context of personal development is excluded from this detailed field and included in detailed field 0031 ‘Personal skills’.

Study of administration in the meaning of office work is excluded from this detailed field and included in detailed field 0415 ‘Secretarial and office work’.

0414 Marketing and advertising

Marketing and advertising is the study of promoting the exchange processes of goods and services between organizations and/or individuals, and the study of consumer behaviour and requirements. It includes the study of the role of product development, pricing, distribution, promotion and sales in order to maximise business performance.

Programmes and qualifications with the following main content are classified here:

- Advertising
- Consumer behaviour
- Market research
- Marketing
- Merchandising
- Public relations

0415 Secretarial and office work

Secretarial and office work is the study of administrative procedures and practices, office technology and clerical, shorthand and keyboard skills. Specialised secretarial programmes (bilingual, medical, law, accounting etc) are included if the programme has secretarial work as its objective, rather than work as specialised assistants.

Programmes and qualifications with the following main content are classified here:

- Administrative and secretarial services
- Clerical programmes
- Data entry
- Foreign language secretary programmes
- Keyboard skills
- Legal secretary programmes
- Medical secretary programmes
- Operation of office equipment
- Receptionist training
- Secretarial programmes
- Shorthand
- Switchboard operating
- Typing

Inclusions:

Broad secretarial programmes comprising among other things computer courses are included here.

Exclusions:

Separate programmes or qualifications in using a specific computer software are excluded from this detailed field and included under detailed field 0611 ‘Computer use’.

Office management is excluded from this detailed field and included in detailed field 0413 ‘Management and administration’.
Hotel receptionist programmes are excluded from this detailed field and included in detailed field 1013 ‘Hotel, restaurant and catering’.

0416 Wholesale and retail sales

Wholesale and retail sales is the study of buying and selling goods and services, including stock management, pricing practices, loss prevention, sales systems and procedures. It includes the study of the workings and current trends of the wholesale and retail industries. Selling of buildings and properties is also included.

Programmes and qualifications with the following main content are classified here:

- Auctioneering
- Consumer services
- Demonstration techniques
- Purchasing
- Real-estate business
- Retailing
- Stock-keeping
- Ware-housing
- Wholesaling

Inclusions:

Study of buying and selling buildings and properties is included here.

0417 Work skills

Work skills is the study of the structure and function of working life. It comprises programmes, mainly given as staff training, related to the working place and to work assignments.

Programmes and qualifications with the following main content are classified here:

- Clients’ needs
- Company knowledge
- Customer service training
- ‘Introduction to work’ courses
- Organization at work
- Quality assurance
- Trade union courses (general)
- Work development

Inclusions:

Staff training related to the work place or work assignments is included here.

Exclusions:

Training related to the work place or work assignments is excluded from this detailed field if it has more to do with personal development than work development and is included in detailed field 0031 ‘Personal skills’.

Staff training which can be classified to any other field is excluded from this detailed field and included in the appropriate field (e.g. quality courses should, if technical, be included in the detailed fields under 071 ‘Engineering and engineering trades’.)

Programmes in work environment should be included in detailed field 1022 ‘Occupational health and safety’.

Programmes, mostly at tertiary level, dealing with working life in general in terms of the labour market, the social partners, industrial psychology etc. are excluded from this detailed field and included in the detailed fields under 031 ‘Social and behaviour sciences’.
042 Law

0421 Law

Law is the study of the principles and procedures for formally maintaining social order, including training for legal professions such as advocate or training for the judicial bench.

Programmes and qualifications with the following main content are classified here:

- Commercial law
- Criminal justice studies
- History of law
- Indigenous law
- Jurisprudence
- Labour law
- Legal practice
- Notary/Notary’s practise
- Paralegal studies

Exclusions:

Court reporting programmes and legal secretary programmes are excluded from this detailed field and included in detailed field 0415 “Secretarial and office work”.

Police studies are excluded from this detailed field and included in detailed field 1032 ‘Protection of persons and property’.

048 Inter-disciplinary programmes and qualifications involving business, administration and law

0488 Inter-disciplinary programmes and qualifications involving business, administration and law

Inter-disciplinary programmes and qualifications to which the greatest intended learning time is devoted to business, administration and law are classified here.

Inclusions:

Study of business and administration where emphasis is not given towards any of the detailed fields under 041 is included in this field.

Exclusions:

Business programmes where emphasis is given to any of the detailed fields under 041 ‘Business and administration’ (management, administration, marketing etc.) should be classified according to the specialisation.
05 Natural Sciences, Mathematics and Statistics

051 Biological and related sciences

0511 Biology

*Biology* is the study of the structure, function, reproduction, growth, evolution and behaviour of all living organisms.

Programmes and qualifications with the following main content are classified here:

- Biology
- Botany
- Cell biology
- Entomology
- Genetics
- Mycology
- Zoology

**Exclusions:**

Study of *environmental sciences*, which is the study of the relation between living organisms and the environment, is excluded from this detailed field and included in detailed field 0521 ‘Environmental sciences’. Study of *chemical processes in living organisms* (biochemistry, toxicology, pharmacology etc.) is excluded from this detailed field and included in detailed field 0512 ‘Biochemistry’.

0512 Biochemistry

*Biochemistry*, sometimes called Biological chemistry, is the study of the chemistry of living organisms, including but not limited to, living matter.

Programmes and qualifications with the following main content are classified here:

- Biological chemistry
- Cell technology
- Forensic sciences
- Genetic code (DNA, RNA) studies
- Genetic engineering
- Pharmacology
- Tissue culture technology
- Toxicology
- Virology

**Inclusions:**

*Biotechnology* is included here.

052 Environment

0521 Environmental sciences

*Environmental sciences* are the study of organisms in relation to one another and to the environment.

Programmes and qualifications with the following main content are classified here:

- Ecology
- Environmental science

**Exclusions:**

The study of *biology* and *toxicology* are excluded from this detailed field and included under narrow field 051 ‘Biological and related sciences’.
0522 Natural environments and wildlife

Natural environments and wildlife is the study of the relationships between living organisms in natural environments in order to protect nature and wildlife. It includes the study of establishing and maintaining national parks in order to preserve their original natural state.

Programmes and qualifications with the following main content are classified here:

- National parks and wildlife management
- Nature conservation
- Wildlife

Exclusions:

Study of agriculture, horticulture and forestry are excluded from this detailed field and included in some of the detailed fields under 08 ‘Agriculture, forestry, fisheries and veterinary’.

Study of hunting and trapping is excluded from this detailed field and included in detailed field 0821 ‘Forestry’.

053 Physical sciences

0531 Chemistry

Chemistry is the study of substances and their elements and how they react when combined.

Programmes and qualifications with the following main content are classified here:

- Inorganic chemistry
- Organic chemistry
- Physical chemistry

Exclusions:

Biochemistry is excluded from this detailed field and included in detailed field 0512 ‘Biochemistry’.

0532 Earth sciences

Earth sciences is the study of the composition and structure of earth including the hydrosphere and the atmosphere.

Programmes and qualifications with the following main content are classified here:

- Climate research
- Earth science
- Geodesy
- Geography (physical)
- Geology
- Geomatics
- Geospatial technology
- Meteorology
- Oceanography
- Seismology

Exclusions:

Social geography is excluded from this detailed field and included in detailed field 0314 ‘Sociology and cultural studies’. Soil science is excluded from this detailed field and included in detailed field 0811 ‘Crop and livestock production’.
0533 Physics

Physics is the study of properties and interactions of matter and energy. It includes the study of astronomy and space science.

Programmes and qualifications with the following main content are classified here:

- Astronomy
- Astrophysics
- Chemical physics
- Medical physics
- Optics
- Physics
- Space science

Exclusions:

Opticians’ practice is excluded from this detailed field and included in detailed field 0914 ‘Medical diagnostic and treatment technology’.

054 Mathematics and statistics

0541 Mathematics

Mathematics is the study of abstract deductive systems. It includes algebra, arithmetic, geometry, real and complex analysis and pure and applied mathematics.

Programmes and qualifications with the following main content are classified here:

- Algebra
- Geometry
- Mathematics
- Numerical analysis
- Operational research

0542 Statistics

Statistics is the study of collecting, describing, arranging and analysing numerical data. The study of probability theory and actuarial science is included.

Programmes and qualifications with the following main content are classified here:

- Actuarial science
- Probability theory
- Statistics, applied
- Survey design
- Survey sampling

Inclusions:

Study of mathematical (theoretical) statistics is included here.

Exclusions:

Demography/population studies is excluded from this detailed field and included in detailed field 0314 ‘Sociology and cultural studies’.

058 Inter-disciplinary programmes and qualifications involving mathematics and statistics

0588 Inter-disciplinary programmes and qualifications involving mathematics and statistics

Inter-disciplinary or broad programmes and qualifications to which the greatest intended learning time is devoted to natural sciences, mathematics and statistics are classified here.
**06 Information and Communication Technologies**

**061 Information and Communication Technologies**

**0611 Computer use**

Computer use is the study of using computers and computer software and applications for different purposes. These programmes are generally of short duration.

Programmes and qualifications with the following main content are classified here:

- Computer use
- Use of software for calculating (spread sheets)
- Use of software for data processing
- Use of software for desk top publishing
- Use of software for word processing
- Use of Internet

**0612 Database and network design and administration**

Database and network design and administration is the study of the design, maintenance and integration of software applications. Computer media applications are included.

Programmes and qualifications with the following main content are classified here:

- Computer administration and management
- Computer media applications
- Computer network installation and maintenance
- Database administrator studies
- Information technology administration
- Information technology security
- Network administration
- Network design
- Web design

**0613 Software and applications development and analysis**

Software and applications development and analysis is the study of the design and development of computer systems and computing environments.

Programmes and qualifications with the following main content are classified here:

- Computer programming
- Computer science
- Computer systems analysis
- Computer systems design
- Informatics
- Operating systems
- Programming languages development
- Software development
- Software programming

**Exclusions:**

Computer engineering (hardware) is excluded from this detailed field and included in detailed field 0714 ‘Electronics and automation’.

Programmes and qualifications in using computer applications are excluded from this detailed field and included in detailed field 0611 ‘Computer use’. Database and network design and administration is excluded from this detailed field and included in detailed field 0612 ‘Database and network design and administration’.

**0619 Information and Communication Technologies not elsewhere classified**

Information technology studies not fitting in the detailed fields are classified here:

- Artificial intelligence
068 Inter-disciplinary programmes and qualifications involving Information and Communication Technologies

0688 Inter-disciplinary programmes and qualifications involving Information and Communication Technologies

Inter-disciplinary programmes and qualifications to which the greatest intended learning time is devoted to information and communication technologies (ICTs) are classified here.
07 Engineering, Manufacturing and Construction

071 Engineering and engineering trades

0711 Chemical engineering and processes

Chemical engineering and processes is the study of planning, designing, and developing products and processes where chemical and physical changes occur. It includes designing chemical plants and control systems.

Programmes and qualifications with the following main content are classified here:

- Chemical engineering
- Chemical process engineering
- Laboratory technology
- Oil/gas/petrochemicals processing
- Plant and machine operation (processing)
- Process technology

Inclusions:

Laboratory technology is included here if emphasis is not given to a specific application.

Exclusions:

Laboratory technology is excluded from this detailed field if emphasis is given to a specific application (biological, medical, etc.) and is included under the appropriate detailed field (0914 etc). Biotechnology is excluded from this detailed field and included in detailed field 0512 ‘Biochemistry’.

Programmes and qualifications with emphasis on the production of a specific material are excluded from this detailed field (e.g. studies with emphasis on paper processing should be included in detailed field 0722 ‘Materials (glass, paper, plastic, wood’).

0712 Environmental protection technology

Environmental protection technology is the study of processes in order to minimise discharge and waste and avoid pollution. It includes programmes dealing with control of water, air, soil etc.

Programmes and qualifications with the following main content are classified here:

- Air pollution control
- Ecological technology
- Energy efficiency
- Environmental engineering
- Industrial discharge control
- Noise pollution control
- Recycling
- Water pollution control

Exclusions:

Programmes and qualifications dealing with hygienic standards in food, water etc. are excluded from this detailed field and included in detailed field 1021 ‘Community sanitation’.

Construction related to waste and water management is excluded from this detailed field and included in detailed field 0732 ‘Building and civil engineering’.

0713 Electricity and energy

Electricity and energy is the study of installing, maintaining, repairing and diagnosing faults in electrical wiring and related equipment in domestic, commercial and industrial establishments. Installation and maintenance of overhead and underground electrical power distribution networks is included. Energy is the study of energy generation.
Programmes and qualifications with the following main content are classified here:

- Air-conditioning trades
- Climate engineering
- Electrical appliances repairing
- Electrical engineering
- Electrical fitting
- Electrical power generation
- Electrical trades
- Energy studies
- Gas distribution
- Heating trades
- Nuclear, hydraulic and thermal energy
- Power line installation and maintenance
- Power production
- Refrigeration
- Solar power
- Wind turbines

**Inclusions:**

The study of installing, diagnosing faults in and repairing heating, air-conditioning and refrigeration equipment is included here.

**Exclusions:**

Study of vehicle electrical systems is excluded from this detailed field and included in detailed field 0716 'Motor vehicles, ships and aircraft'.

### 0714  Electronics and automation

**Electronics and automation** is the study of planning, designing, developing maintaining and monitoring electronic equipment, machinery and systems. It includes designing computers and equipment for communication.

Programmes and qualifications with the following main content are classified here:

- Broadcasting electronics
- Communication systems
- Communications equipment installation
- Communications equipment maintenance
- Computer engineering
- Computer repairing
- Control engineering
- Data processing technology
- Digital technology
- Electronic engineering
- Electronic equipment servicing
- Network technology
- Robotics
- Telecommunications technology
- Television and radio repairing

**Exclusions:**

Computer science (Software and applications development) is excluded from this detailed field and included under 0613 'Software and applications development and analysis'.

### 0715  Mechanics and metal trades

**Mechanics and metal trades** is the study of planning, designing, developing, producing, maintaining and monitoring machines, mechanical plants and systems and metal products. It includes designing and maintaining machines which produce goods and services. The focus of study in this detailed field is machines, mechanical systems and metal products.
Programmes and qualifications with the following main content are classified here:

- Gunsmithing
- Hydraulics
- Locksmithing and safe repairing
- Mechanical engineering
- Mechanical trades
- Metal casting and patternmaking
- Metal fitting, turning and machining
- Metallurgical engineering
- Precision mechanics
- Sheet metal working
- Steel production
- Tool and die making
- Welding

**Exclusions:**

The study of *motor vehicle mechanics and engineering* is excluded from this detailed field and included in detailed field 0716 ‘Motor vehicles, ships and aircraft’.

### 0716 Motor vehicles, ships and aircraft

**Motor vehicles, ships and aircraft** is the study of designing, developing, producing, maintaining, diagnosing faults in, repairing and servicing motor vehicles, including earth moving equipment and agriculture machines, ships, trains and aircraft. Typical is the combination of studies in both metal structures and motors.

Programmes and qualifications with the following main content are classified here:

- Aerospace engineering
- Aircraft engineering
- Aircraft maintenance
- Automotive electrical systems
- Automotive engineering
- Avionics
- Coachwork
- Marine engineering
- Motorcycle engineering
- Panel beating
- Shipbuilding
- Train repair and maintenance
- Vehicle building and repairing
- Vehicle varnishing/spraying

**Inclusions:**

Study of *vehicle electrical systems* is included here.

**Exclusions:**

Study of *producing and repairing non-motorised vehicles* is excluded from this detailed field and included in 0715 ‘Mechanics and metal work’ (e.g. bicycles) or 0722 ‘Materials (glass, paper, plastic, wood)’ (e.g. non-motor boats).

### 0719 Engineering and engineering trades not elsewhere classified

Engineering studies not covered by other detailed fields are classified here:

- Nanotechnology

### 072 Manufacturing and processing

#### 0721 Food processing

**Food processing** is the study of processing and packaging of food and beverages, and the equipment and procedures used in the production and distribution of foods.
Programmes and qualifications with the following main content are classified here:

- Baking
- Beer brewing
- Butchery
- Confectionery
- Dairy foods
- Food and drink processing
- Food preservation
- Food science and technology
- Meat processing
- Pastry cooking
- Tobacco processing
- Wine production

**Inclusions:**

Study of *food handling and food hygiene* is included here.

**Exclusions:**

*Restaurant and catering* are excluded from this detailed field and included in detailed field 1013 ‘Hotel, restaurant and catering’.

*Nutrition science* is excluded from this detailed field and included in narrow field 051 ‘Biological and related sciences’.

**0722  Materials (glass, paper, plastic and wood)**

*Materials* is the study of the *manufacturing of products* in glass, paper, plastic, wood or other materials like stone, clay, artificial materials etc. Programmes and qualifications included in this detailed field have more to do with a specific material than general technical knowledge.

Programmes and qualifications with the following main content are classified here:

- Boat building (non-motor)
- Cabinet making
- Carpentry (furniture)
- Ceramics (industrial)
- Furniture making
- Glass working (industrial)
- Industrial diamond production
- Paper manufacturing and processing
- Plastic manufacturing
- Rubber processing
- Timber technology
- Wood machining and turning
- Woodwork trades

**Exclusions:**

Study of *metal work* is excluded from this detailed field and included in detailed field 0715 ‘Mechanics and metal trades’.

Study of *building carpentry and joinery* is excluded from this detailed field and included in detailed field 0732 ‘Building and civil engineering’.

Study of *chemical processing in general* is excluded from this detailed field and included in detailed field 0711 ‘Chemical engineering and processes’.

Study of *printing and bookbinding* is excluded from this detailed field and included in detailed field 0211 ‘Audio-visual techniques and media production’.

*Handicrafts programmes* (glass arts and crafts, woodcarving etc) are excluded from this detailed field and included in detailed field 0214 ‘Handicrafts’.
0723  **Textiles (clothes, footwear and leather)**

**Textiles (clothes, footwear and leather)** is the study of the manufacture of textiles, textile and leather products, clothing and related items, shoes and other forms of footwear.

Programmes and qualifications with the following main content are classified here:

- Clothing trades
- Dressmaking
- Footwear making
- Fur making
- Garment production
- Leather processing
- Saddlery
- Shoemaking
- Skins and leather production
- Spinning
- Tailoring
- Textile trades
- Upholstery
- Weaving (industrial)
- Wool science

**Exclusions:**

Handicraft studies (weaving, embroidery etc.) are excluded from this detailed field and included in detailed field 0214 ‘Handicrafts’.

0724  **Mining and extraction**

**Mining and extraction** is the study of assessing, planning, developing, and directing the extraction of minerals, oil and gas from the earth.

Programmes and qualifications with the following main content are classified here:

- Coal mining
- Mineral technology
- Mining of minerals
- Oil and gas drilling
- Oil and gas extraction
- Raw material extraction

**Exclusions:**

Study of metallurgical engineering is excluded from this detailed field and included in 0715 ‘Mechanics and metal trades’

Study of geology is excluded from this detailed field and included in detailed field 0532 ‘Earth sciences’.

073  **Architecture and construction**

0731  **Architecture and town planning**

**Architecture** is the study of the art, science and techniques of building design. It encompasses both utilitarian ends - such as the soundness of the structure and the functional and economic efficiency of the building - and aesthetic considerations. **Town planning** is the study of the regulated growth and improvement of towns in both functional and aesthetical points of view.

Programmes and qualifications with the following main content are classified here:

- Architectural urban design and planning
- Architecture
- Building design
- Cartography/Land surveying
- City planning
Community development
Landscape architecture
Structural architecture
Surveying
Town and country planning
Urban planning

Exclusions:

Study of interior design is excluded from this detailed field and included in detailed field 0212 ‘Fashion, interior and industrial design’. Geomatics is excluded from this detailed field and included in detailed field 0532 ‘Earth science’.

The laying out and construction of parks and gardens is excluded from this detailed field and included in detailed field 0812 ‘Horticulture’.

0732 Building and civil engineering

Building is the study of the science, technology and techniques of assembling, erecting and maintaining public, commercial, industrial and residential structures and their fittings. Civil engineering is the study of planning, designing, testing and directing the construction of large scale buildings and structures, including systems for transport, water supply, sewage etc.

Programmes and qualifications with the following main content are classified here:

- Bricklaying
- Bridge construction
- Building construction
- Building engineering
- Building technology
- Carpentry and joinery (building)
- Civil engineering
- Construction equipment
- Constructional metalwork (building)
- Dock and harbour engineering
- Floor and wall tiling
- Floor covering
- House building
- Industrial abseiling (commercial)
- Masonry and tile setting
- Painting and wall covering
- Plastering
- Plumbing and pipefitting
- Road building
- Water engineering and technology
- Water supply and sewerage engineering
- Ventilation

Exclusions:

Installation of electricity is excluded from this detailed field and included in detailed field 0713 ‘Electricity and energy’. Similarly, installing and repairing of heating, air-conditioning and refrigeration equipment is excluded from this detailed field and included in detailed field 0713 ‘Electricity and energy’.

078 Inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction

0788 Inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction

Inter-disciplinary or broad programmes and qualifications to which the greatest intended learning time is devoted to engineering, manufacturing and construction are classified here.
08  Agriculture, Forestry, Fisheries and Veterinary

081  Agriculture

0811  Crop and livestock production

Crop and livestock production is the study of growing, maintaining and harvesting crops and pastures, and grazing and managing animals. It includes the study of managing and maintaining farms and producing unprocessed plant and animal products.

Programmes and qualifications with the following main content are classified here:

- Agricultural sciences
- Agronomy and crop science
- Animal husbandry
- Crop growing
- Dog breeding
- Farm and ranch management
- Farming
- Fruit growing
- Grain growing
- Horse breeding
- Pig farming
- Poultry husbandry
- Rice farming
- Rye and wheat growing
- Sheep farming
- Soil science
- Sugar cane growing
- Vegetable planting
- Wine growing

Inclusions:
Study of soil fertility and irrigation techniques are included here.
Study of growing intensively managed crops such as fruit and vegetables is included here.

Exclusions:
Study of wine production is excluded from this detailed field and is included in detailed field 0721 ‘Food processing’.
Jockeying is excluded from this detailed field and is included in detailed field 1014 ‘Sports’

0812  Horticulture

Horticulture is the study of horticultural technology and management, floriculture, greenhouse methods, nursery management, landscape gardening etc.

Programmes and qualifications with the following main content are classified here:

- Floriculture
- Gardening
- Green keeping
- Horticultural techniques
- Nursery management
- Turf cultivation

Inclusions:
The laying out and construction of urban and domestic parks and gardens is included here.
Gardening programmes combining floriculture and growing vegetables are included here.
Exclusions:

Study of growing edible crops (such as wheat, rice, fruit, vegetables etc.) is excluded from this detailed field and included in detailed field 0811 ‘Crop and livestock production’.

Study of soil science, soil fertility and irrigation techniques is excluded from this detailed field and included in detailed field 0811 ‘Crop and livestock production’.

Study of National park management is excluded from this detailed field and included in detailed field 0522 ‘Natural environments and wildlife’.

Study of Landscape architecture is excluded from this detailed field and included in detailed field 0731 ‘Architecture and town planning’.

082 Forestry

0821 Forestry

Forestry is the study of establishing, cultivating, harvesting and managing forests. It includes the study of hunting and trapping.

Programmes and qualifications with the following main content are classified here:

- Charcoal burning
- Forest keeping
- Forest product techniques
- Forestry
- Hunting and trapping
- Logging
- Tree felling

Exclusions:

Study of National park management is excluded from this detailed field and included in detailed field 0522 ‘Natural environments and wildlife’.

Timber technology (sawmill production etc) is excluded from this detailed field and included in detailed field 0722 ‘Materials (glass, paper, plastic and wood)’.

083 Fisheries

0831 Fisheries

Fisheries is the study of breeding, rearing and harvesting fish and other seafood.

Programmes and qualifications with the following main content are classified here:

- Aquaculture
- Fish breeding
- Fish farms
- Fishery science and technology
- Pearl cultivating
- Seafood farming
- Shellfish breeding

Inclusions:

Programmes for operating fishing boats are included here.

Exclusions:

Study of industrial processing of fish is excluded from this detailed field and included in detailed field 0721 ‘Food processing’.
084 Veterinary

0841 Veterinary

Veterinary is the study of preventing, diagnosing and treating diseases and injuries in animals, and their general care. The study of caring for sick, injured and infirm animals undergoing treatment in veterinary clinics is included. It also includes the study of providing assistance to veterinary scientists.

Programmes and qualifications with the following main content are classified here:

- Animal health care
- Animal reproduction (science)
- Artificial insemination (of animals)
- Veterinary assisting
- Veterinary medicine
- Veterinary nursing
- Veterinary science

Inclusions:
The science of animal reproduction is included here.

Exclusions:
Study of animal breeding is excluded from this detailed field and included in detailed field 0811 ‘Crop and livestock production’.

088 Inter-disciplinary programmes and qualifications involving agriculture, forestry, fisheries and veterinary

0888 Inter-disciplinary programmes and qualifications involving agriculture, forestry, fisheries and veterinary

Inter-disciplinary or broad programmes and qualifications to which the greatest intended learning time is devoted to agriculture, forestry, fisheries and veterinary are classified here.
09  Health and Welfare

091  Health

0911  Dental studies

Dental studies are the study of diagnosing, treating and preventing diseases and abnormalities of the teeth and gums. It includes the study of designing, making and repairing dental prostheses and orthodontic appliances. It also includes the study of providing assistance to dentists.

Programmes and qualifications with the following main content are classified here:

- Dental assisting
- Dental hygiene
- Dental laboratory technology
- Dental nursing
- Dental science
- Dental surgery
- Dental technology
- Odontology
- Oral surgery
- Orthodontics

Inclusions:

Study of public dental health is included here.

0912  Medicine

Medicine is the study of the principles and procedures used in preventing, diagnosing, caring for and treating illness, disease and injury in humans and the maintenance of general health. Principally, this detailed field consists of training of physicians/doctors.

Programmes and qualifications with the following main content are classified here:

- Anaesthetics
- Forensic medicine
- Forensic pathology
- General medicine
- Gerontology
- Gynaecology
- Medical science
- Medical training
- Medicine
- Paediatrics
- Psychiatry
- Surgery
- Training of physicians/doctors

0913  Nursing and midwifery

Nursing is the study of providing health care for the sick, disabled or infirm and assisting physicians and other medical and health professionals diagnose and treat patients. The focus of qualifications in nursing is maintaining and caring for the health of patients during illness and rehabilitation. It includes health care of old people and health care of the disabled. Midwifery is the study of providing care to childbearing women during pregnancy, labour and birth and during the postpartum period. It also includes caring for the new born and assisting the mother with breast feeding.

Programmes and qualifications with the following main content are classified here:

- Assistant nursing
- Basic nursing
- General nursing
- Health care of old people
Health care of the disabled
Health care programmes
Infant hygiene (nursing)
Midwifery
Nursing aide/Orderly
Psychiatric nursing
Specialised nursing

Inclusions:
Care programmes comprising both health care and social care e.g. for old people, are included here.

Exclusions:
Veterinary nursing is excluded from this detailed field and is included in detailed field 0841 ‘Veterinary’.

Dental nursing is excluded from this detailed field and is included in detailed field 0911 ‘Dental studies’.

Non-medical care of children (not health care) is excluded from this detailed field and included in detailed field 0922 ‘Child care and youth services’.

Non-medical care of the elderly (not health care) is excluded from this detailed field and included in detailed field 0921 ‘Care of the elderly and disabled adults’.

0914 Medical diagnostic and treatment technology

Medical diagnostic and treatment technology is the study of a wide range of technologies used for diagnosing and treating diseases and handicaps.

Programmes and qualifications with the following main content are classified here:

Ambulance technology
Hearing aid technology
Medical laboratory technology
Optical technology
Prosthetic technology
Radiology technology
Radiotherapy
X-ray technology (medical)

Exclusions:
Study of laboratory technology is excluded from this detailed field if emphasis is not given to medical laboratory technology. General laboratory technology is included in detailed field 0711 ‘Chemical engineering and processes’. Laboratory technology where emphasis is given to other specific applications (biology, chemistry, physics etc) is included in the appropriate detailed field (0511, 0531, 0533 etc.).

Study of dental technology is excluded from this detailed field and included in detailed field 0911 ‘Dental studies’.

0915 Therapy and rehabilitation

Therapy and rehabilitation is the study of restoring normal physical conditions to those incapacitated by temporary or permanent disability.

Programmes and qualifications with the following main content are classified here:

Dietician programmes
Medical massage
Nutrition/Dietetics
Occupational therapy
Physiotherapy
Rehabilitation
Speech therapy
Exclusions:
Study of psychotherapy is excluded from this detailed field and included in detailed field 0313 ‘Psychology’.
Study of nutrition science is excluded from this detailed field and included in narrow field 051 ‘Biological and related sciences’.

0916 Pharmacy

Pharmacy is the study of drugs and their effects on humans. It includes their preparation, dispensing and administration.
Programmes and qualifications with the following main content are classified here:
- Dispensing pharmacy
- Pharmacy

Exclusions:
Study of pharmacology is excluded from this detailed field and included in detailed field 0511 ‘Biology’.

0917 Traditional and complementary medicine and therapy

Traditional and complementary medicine is the study of alternative medicine.
Programmes and qualifications with the following main content are classified here:
- Acupuncture and oriental medicine
- Aromatherapy
- Ayurvedic medicine
- Herbalism
- Herobology
- Holistic medicine
- Homeopathic medicine
- Traditional medicine, for example Chinese

092 Welfare

0921 Care of elderly and of disabled adults

Care of the elderly and of disabled adults is the study of non-medical care of the elderly and disabled.
Programmes and qualifications with the following main content are classified here:
- Care of the elderly
- Non-medical care of disabled adults
- Personal care of adults

Exclusions:
Study of health care of the elderly and disabled is excluded from this detailed field and included in detailed field 0913 ‘Nursing and midwifery’.

0922 Child care and youth services

Child care and youth services are the study of the development and non-medical care of children and youths. It includes the study of recreation and leisure activities as a social service for school children and young adults.
Programmes and qualifications with the following main content are classified here:
- Child care
- Child recreation programmes
- Day care
- Non-medical care of disabled children
- Youth services
Youth worker programmes

**Exclusions:**

Study of *early childhood education in pre-schools* is excluded from this detailed field and included in detailed field 0112 ‘Training for pre-school teachers’.

Study of *health care of children* is excluded from this detailed field and included in detailed field 0913 ‘Nursing and midwifery’.

**0923 Social work and counselling**

Social work and counselling is the study of the welfare needs of communities, specific groups and individuals and the appropriate ways of meeting these needs. The focus is on social welfare with emphasis on social policy and practice.

Programmes and qualifications with the following main content are classified here:

- Alcohol and drug abuse counselling
- Alcohol, tobacco, drugs (knowledge about)
- Crisis support
- Family and marriage counselling
- Mobbing and maltreatment (knowledge about)
- Parole officer training
- Probation officer training
- Social policy
- Social practice
- Social theory (applied)
- Social work (welfare)
- Vocational counselling
- Vocational guidance

**Exclusions:**

Study of *sociology and social science* is excluded from this detailed field and included in detailed field 0314 ‘Sociology and cultural studies’.

Studies combining health care and social care (e.g. for old people) are excluded from this detailed field and included in detailed field 0913 ‘Nursing and midwifery’.

**098 Inter-disciplinary programmes and qualifications involving health and welfare**

**0988 Inter-disciplinary programmes and qualifications involving health and welfare**

Inter-disciplinary or broad programmes and qualifications to which the greatest intended learning time is devoted to health and welfare are classified here.
10 **Services**

101 **Personal services**

1011 **Domestic services**

*Domestic services* are the study of various domestic services, such as housekeeping, cleaning, laundering, sewing etc.

Programmes and qualifications with the following main content are classified here:

- Caretaking, housekeeping and home service workers
- Chimney sweeping
- Cleaning
- Cooking (home)
- Domestic science
- Dry-cleaning
- Funeral services and mortuary science
- Home economics
- Laundry
- Needlework (home)
- Sewing (home)
- Window cleaning

**Inclusions:**

*Cleaning* is included here even if directed towards *cleaning schools, hospitals, factories* etc.

**Exclusions:**

Study of *building maintenance* is excluded from this detailed field and included in detailed field 0732 'Building and civil engineering'.

1012 **Hair and beauty services**

*Hair and beauty services* are the study of caring for the hair and the body for beautification.

Programmes and qualifications with the following main content are classified here:

- Barbering
- Beauty therapy
- Cosmetology (make up)
- Fitness and weight control
- Hairdressing
- Manicure
- Pedicure

1013 **Hotel, restaurants and catering**

*Hotel, restaurants and catering* is the study of providing food, beverages, accommodation and related services at hotels, restaurants etc.

Programmes and qualifications with the following main content are classified here:

- Catering
- Cooking (restaurant and hotel-type)
- Fast food preparation
- Food serving
- Hospitality services
- Hotel and restaurant studies
- Hotel receptionist training
- Hotel services
- Waiting and bar service

**Exclusions:**

Study of *food processing (industrial)* is excluded from this detailed field and included in detailed field 0721 'Food processing'.
Receptionist training (general) is excluded from this detailed field and included in detailed field 0415 ‘Secretarial and office work’.

1014 Sports

Sports is the study of techniques and skills in a chosen sport.

Programmes and qualifications with the following main content are classified here:

- Sport trainer studies
- Techniques and skills in a chosen sport
- Training of umpires/referees and other sports officials

Inclusions:

Jockeying is included here. Chess playing is included here.

Exclusions:

Training of school teachers in physical education (sports teachers) is excluded from this detailed field and included in detailed field 0114 ‘Teacher training with subject specialisation’.

Fitness services are excluded from this detailed field and included in detailed field 1012 ‘Hair and beauty services’.

1015 Travel, tourism and leisure

Travel and tourism is the study of marketing and advertising tourist destinations and events. It includes the study of ticketing and reservation practices. Leisure is the study of recreational and leisure activities for individuals and groups.

Programmes and qualifications with the following main content are classified here:

- Abseiling (rope climbing)
- Adventure based activities
- Ground crew training (airport)
- Guiding, tour leading
- Recreation and leisure
- Tourist trades programmes
- Travel agency services
- Travel and tourism
- Travel services

Inclusions:

Basic training in how to treat tourists is included here.

Exclusions:

Study of recreation and leisure activities for school children is excluded from this detailed field and included in detailed field 0922 ‘Child care and youth services’.

102 Hygiene and occupational health services

1021 Community sanitation

Community sanitation is the study of community services dealing with items that affect public health such as hygienic standards in food, water supply, disposal of sewage and garbage and street cleaning.

Programmes and qualifications with the following main content are classified here:

- Hygiene, community
- Hygienic standards
- Refuse collection
- Refuse/sewage disposal
- Street cleaning
- Water supply (service)
- Waste management
1022  **Occupational health and safety**

**Occupational health and safety** is the study of recognising, evaluating and controlling environmental factors associated with the workplace.

Programmes and qualifications with the following main content are classified here:

- Ergonomics (occupational health and safety)
- Health and safety in the workplace
- Industrial welfare
- Labour protection
- Labour security
- Labour welfare (safety)
- Occupational health and industrial hygiene
- Occupational safety
- Stress management
- Work environment

**Exclusions:**

Study of *vocational rehabilitation and occupational therapy* is excluded from this detailed field and included in detailed field 0915 ‘Therapy and rehabilitation’.

Study of *labour law* is excluded from this detailed field and included in 0421 ‘Law’.

Study of *ergonomics* is excluded from this detailed field if emphasis is given to technical aspects and is included in the appropriate detailed field under 071 ‘Engineering and engineering trades’.

103  **Security services**

1031  **Military and defence**

**Military and defence** is the study of services to the community connected with war and defence, designed to provide training in the principles and practice of military science.

Programmes and qualifications with the following main content are classified here:

- Air force training
- Army training
- Defence studies
- Military science
- Navy training
- War theory

**Exclusions:**

Military personnel participating in non-military programmes should be classified according to the subject content of the training programme.

1032  **Protection of persons and property**

**Protection of persons and property** is the study of services to the community concerning protection of property and persons. It comprises training in police work, public security, fire protection and fire-fighting.

Programmes and qualifications with the following main content are classified here:

- Civil security
- Customs programmes
- Fire-protection (fire-fighting)
- Fire technology
- Life guarding
- Police work
- Policing studies
- Prison work
- Public security
Security and loss prevention services
Security guarding

**Exclusions:**

Study of law is excluded from this detailed field and included in 0421 ‘Law’.
Study of criminology is excluded from this detailed field and included in detailed field 0314 ‘Sociology and cultural studies’.

104 **Transport services**

1041 **Transport services**

**Transport** is the study of operating, navigating and directing ships, train, aircraft and other forms of transportation.

Programmes and qualifications with the following main content are classified here:

- Aircraft operation
- Air traffic control
- Air traffic safety
- Cabin crew training
- Communication (air, railway, road etc.) programmes
- Crane and truck driving
- Driving programmes
- Flying and navigation
- Navigation technologies
- Postal service
- Railway operations
- Road motor vehicle operations
- Ship operation
- Shipping
- Transport studies

**Exclusions:**

Programmes in *telephone network services* are excluded from this detailed field and included in detailed field 0714 ‘Electronics and automation’. Programmes in *switchboard operating* are excluded from this detailed field and included in detailed field 0415 ‘Secretarial and office work’.

108 **Inter-disciplinary programmes and qualifications involving services**

1088 **Inter-disciplinary programmes and qualifications involving services**

*Inter-disciplinary programmes and qualifications* to which the greatest intended learning time is devoted to services are classified here.
## Appendix I: ISCED fields of education and training (ISCED-F 2013): Full list of possible codes

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Appendix II: Numerical Code List

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0000 Generic programmes and qualifications not further defined
00000 Generic programmes and qualifications not further defined
001 Basic programmes and qualifications
0011 Basic programmes and qualifications
Basic programmes and qualifications
Broad generic (non-specialised) programmes and qualifications
General programmes and qualifications with no specific subject emphasis
Programmes and qualifications at primary level
002 Literacy and numeracy
0021 Literacy and numeracy
Basic remedial programmes for youth or adults
Functional literacy
Literacy
Numeracy
Simple literacy
003 Personal skills and development
0031 Personal skills and development
Argumentation and presentation
Assertiveness training
Communication skills
Co-operation
Development of behavioural capacities
Development of mental skills
Development of personal organisational capacities
Enhancing personal skills
Family life development training
Job-seeking programmes
Life orientation programmes
Parenting courses
Personal career planning
Personal development
Positive thinking
Presentation techniques
Public speaking
Self-confidence
Self-esteem skills
Social competence
Teamwork
Time management
009 Generic programmes and qualifications not elsewhere classified
0099 Generic programmes and qualifications not elsewhere classified
01 Education
011 Education
0110 Education not further defined
0111 Education science
Curriculum development (theory)
Curriculum studies
Didactics
Distance education methodology
Education science
Educational assessment, testing and measurement
Educational evaluation and research
Paedagogical sciences (education)
0112 Training for pre-school teachers
Early childhood teaching (within formal school settings)
Pre-primary teacher training
0113 Teacher training without subject specialisation
Adult literacy and numeracy teacher training
Class teacher training
Elementary teacher education
Indigenous teacher training
Lower secondary teaching
Primary teaching
Special education teaching
0114 Teacher training with subject specialisation
Teacher training - arts and crafts
Teacher training – commercial subjects
Teacher training – music
Teacher training – nursing
Teacher training – physical training
Teacher training – second languages
Teacher training – specific theoretical subjects (e.g. mathematics, history)
Teacher training – technical subjects
Teacher training – vocational subjects
Teacher training courses for university teachers
Training of driving instructors

0119 Education not elsewhere classified

018 Inter-disciplinary programmes and qualifications involving education

0188 Inter-disciplinary programmes and qualifications involving education

02 Arts and humanities

020 Arts and humanities not further defined

0200 Arts and humanities not further defined

021 Arts

0210 Arts not further defined

0211 Audio-visual techniques and media production
  Animation
  Binding and finishing (printing)
  Bookbinding
  Camera operating
  Cinematography
  Compositing (printing)
  Composition equipment operating
  Computer game production
  Computer graphics
  Computer type-setting
  Desktop publishing
  Disc jockey training
  Film and TV editing
  Film and video production
  Graphic design
  Graphic reproduction
  Illustration
  Interactive media design
  Lay-out
  Media techniques
  Multimedia production
  Photo developing
  Photography
  Pre-press operations
  Print finishing and binding
  Printing
  Printing machining
  Publishing design
  Radio and TV production
  Recorded music production
  Sound and vision
  Sound techniques
  Type-setting

0212 Fashion, interior and industrial design
  Costume design
  Design
  Design of industrial products (artistic)
  Fashion design
  Industrial design (artistic)
  Interior architecture
  Interior decorating
  Interior design
  Stage designing
  Three dimensional design
  Window dressing

0213 Fine arts
  Aesthetics
  Art history
  Art studies
  Art theory
  Calligraphy
  Drawing (artistic)
  Etching (artistic)
  Fine art printmaking
  History of art
  Lithography
Painting (art)
Philosophy of art
Sculpture
Sketching (art)

0214 Handicrafts
Ceramics (craft)
Conservation of cultural material
Craft programmes
Crafts, folk arts and artisan
Decorative metal crafts
Embroidery (craft)
Fibre, textile and weaving arts
Floristry (flower arranging)
Glass arts and craft
Goldsmithing
Handicrafts
Indigenous crafts
Jewellery design
Jewellery making (craft)
Lapidary and jewellery
Making of musical instruments (not industrial)
Musical instruments (repairing and tuning)
Needle craft
Picture framing
Silversmithing
Stone carving (craft)
Weaving (craft)
Woodcarving

0215 Music and performing arts
Acting and directing
Ballet
Choreography
Circus
Composition (music)
Conducting (music)
Creative and performance art
Dance
Directing (theatre)
Drama

Elocution
Fashion modelling
History of film and theatre
History of music
Music
Music and the stage
Music composition
Music conducting
Musicology
Performing arts
Theatre/theatre sciences

0219 Arts not elsewhere classified

022 Humanities (excluding languages)

0220 Humanities (excluding languages) not further defined

0221 Religion and theology
Religion
Religious history
Religious studies
Study of different religions
Study of sacred books
Theology

0222 History and archaeology
Archaeology
Cultural history
Folklore studies
History
History and philosophy of science and technology
History of literature
History of medicine
History of science and ideas
History of technology
Literature history
Medieval and renaissance studies
Preservation of artistic heritage

0223 Philosophy and ethics
Ethics
Logic
Morals
Philosophy

0229 Humanities (except languages) not elsewhere classified

023 Languages

0230 Languages not further defined

0231 Language acquisition
  Classical languages
  Exogenous languages
  Foreign languages
  Interpretation programmes
  Phonetics
  Second languages
  Semantics, foreign languages
  Sign language interpreting
  Sign languages
  Translation programmes

0232 Literature and linguistics
  Comparative literature
  Creative writing
  First language programmes
  Indigenous languages
  Linguistics, general
  Literature
  Mother tongue programmes
  Native first languages
  Philology (first language)
  Semantics (first language)
  Speech and rhetorical studies

0239 Languages not elsewhere classified

028 Inter-disciplinary programmes and qualifications involving arts and humanities

0288 Inter-disciplinary programmes and qualifications involving arts and humanities

029 Arts and humanities not elsewhere classified

0299 Arts and humanities not elsewhere classified

03 Social sciences, journalism and information

030 Social sciences, journalism and information not further defined

0300 Social sciences, journalism and information not further defined

031 Social and behavioural sciences

0310 Social and behavioural sciences not further defined

0311 Economics
  Econometrics
  Economic history
  Economics
  International economics
  Macro economics
  National accounts
  Political economics

0312 Political sciences and civics
  Civics
  Human rights
  International relations
  Peace and conflict studies
  Political history
  Political science
  Politics
  Public policy studies

0313 Psychology
  Cognitive sciences
  Conversational therapy
  Development and child psychology
  Psychoanalysis
  Psychology
  Psychotherapy

0314 Sociology and cultural studies
  Criminology
  Cultural geography
  Cultural studies
  Demography/population studies
  Ethnology
  Futurology
  Gender studies
  Geography (social)
  Human geography
  Regional cultures
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<td>Social sciences, journalism and information not elsewhere classified</td>
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Management skills
Office management
Organisational theory and behaviour
Performance appraisal
Personnel administration
Personnel management
Public administration
Public and institution management
Quality management
Recruitment
‘Start your own business’ courses
Supply change management
Training management

0414 Marketing and advertising
Advertising
Consumer behaviour
Market research
Marketing
Merchandising
Public relations
Sales and marketing

0415 Secretarial and office work
Administrative and secretarial services
Business correspondence
Clerical programmes
Court reporting
Data entry
Foreign language secretary programmes
Information processing/data entry
Keyboard skills
Legal secretary programmes
Management support services
Medical secretary programmes
Office automation
Operation of office equipment
Receptionist training
Secretarial programmes
Shorthand
Stenography
Switchboard operating
Typing

0416 Wholesale and retail sales
Auctioneering
Buying and selling
Consumer services
Dairy retailing
Demonstration techniques
Property sales
Purchasing
Purchasing, procurement and contracts
Real-estate business
Retailing
Sales representatives
Stock-keeping
Telephone selling
Ware-housing
Wholesaling

0417 Work skills
Clients’ needs
Company knowledge
Customer service training
Industrial relations
Introduction to work courses
Organisation at work
Quality assurance
Trade union courses (general)
Work development
Work place skills
Working life

0419 Business and administration not elsewhere classified

042 Law

0421 Law
Commercial law
Criminal justice studies
History of law
Indigenous law
Islamic sharia
Jurisprudence
Labour law
Law
Legal practice
Legal studies
Notary/Notary’s practise
Paralegal studies

048 Inter-disciplinary programmes and qualifications involving business, administration and law

0488 Inter-disciplinary programmes and qualifications involving business, administration and law

049 Business, administration and law not elsewhere classified

0499 Business, administration and law not elsewhere classified

05 Natural sciences, mathematics and statistics

050 Natural sciences, mathematics and statistics not further defined

0500 Natural sciences, mathematics and statistics not further defined

051 Biological and related sciences

0510 Biological and related sciences not further defined

0511 Biology
  Biology
  Biometrics
  Botany
  Cell biology
  Entomology
  Genetics
  Life sciences
  Limnology
  Microbiology
  Molecular biology
  Mycology
  Ornithology
  Parasitology
  Zoology

0512 Biochemistry
  Biological chemistry
  Biotechnology

Cell technology
Forensic sciences
Genetic code (DNA, RNA) studies
Genetic engineering
Pharmacology
Tissue culture technology
Toxicology
Virology

0519 Biological and related sciences not elsewhere classified

052 Environment

0520 Environment not further defined

0521 Environmental sciences
  Ecology
  Environmental science

0522 Natural environments and wildlife
  Conservation and land management
  National parks and wildlife management
  Nature conservation
  Wildlife management
  Wildlife ranger studies

0529 Environment not elsewhere classified

053 Physical sciences

0530 Physical sciences not further defined

0531 Chemistry
  Analytical chemistry
  Chemistry
  Inorganic chemistry
  Organic chemistry
  Petrology
  Physical chemistry
  Polymer chemistry

0532 Earth sciences
  Atmospheric sciences
  Climate research
  Earth science
  Geodesy
  Geographic information systems (GIS)
  Geography (nature)
  Geography (physical)
Geoinformatics
Geology
Geomatics
Geophysics
Geoscience
Geospatial technology
Hydrogeology
Hydrology
Marine science
Meteorology
Mineralogy
Ocean life sciences
Oceanography
Palaeontology
Seismology
Vulcanology

0533 Physics
Acoustics
Astronomy
Astrophysics
Biophysics
Chemical physics
Medical physics
Nuclear physics
Optics
Physics
Planetary sciences
Space science

0539 Physical sciences not elsewhere classified

054 Mathematics and statistics

0540 Mathematics and statistics not further defined

0541 Mathematics
Algebra
Applied mathematics
Data analysis (mathematics)
Geometry
Mathematics
Numerical analysis

Operational research
Pure mathematics

0542 Statistics
Actuarial science
Applied statistics
Mathematical (theoretical) statistics
Probability theory
Survey design
Survey sampling

058 Inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics

0588 Inter-disciplinary programmes and qualifications involving natural sciences, mathematics and statistics

059 Natural sciences, mathematics and statistics not elsewhere classified

0599 Natural sciences, mathematics and statistics not elsewhere classified

06 Information and Communication Technologies (ICTs)

061 Information and Communication Technologies (ICTs)

0610 Information and Communication Technologies (ICTs) not further defined

0611 Computer use
Computer software use
Computer use
Internet use
Use of software for calculating (spreadsheets)
Use of software for data processing
Use of software for desktop publishing
Use of software for word processing

0612 Database and network design and administration
Computer administration and management
Computer media applications
Computer network installation and maintenance
Computer support
Database administrator studies
Information technology administration
Information technology security
Network administration
Network design
Web design

0613 Software and applications development and analysis
Computer programming
Computer science
Computer systems analysis
Computer systems design
Informatics (computer science)
Operating systems
Programming (computer)
Programming languages development
Software development
Software localisation
Software programming
Software testing

0619 Information and Communication Technologies (ICTs) not elsewhere classified
Artificial intelligence

068 Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs)

0712 Environmental protection technology
Air pollution control
Ecological technology
Energy efficiency
Environmental control
Environmental engineering
Environmental protection technology
Industrial discharge control
Noise pollution control
Recycling
Water pollution control

0713 Electricity and energy
Air-conditioning trades (installation and maintenance)
Climate engineering
Electrical appliances repairing
Electrical engineering
Electrical fitting
Electrical power generation
Electrical trades
Energy studies
Gas distribution
Heating trades (installation and maintenance)
Nuclear, hydraulic and thermal energy
Power line installation and maintenance
Power production
Refrigeration
Solar energy
Solar power
Wind turbines

0714 Electronics and automation
Automation
Broadcasting electronics
Communication systems
Communications equipment installation
Communications equipment maintenance  
Computer engineering  
Computer repairing  
Control engineering  
Data processing technology  
Digital technology  
Electronic engineering  
Electronic equipment servicing  
Network technology  
Robotics  
Telecommunications technology  
Television and radio repairing  

**0715 Mechanics and metal trades**  
Bicycle production  
Bicycle repair  
Boilermaking and welding  
Gunsmithing  
Hydraulics  
Locksmithing and safe repairing  
Mechanical engineering  
Mechanical trades  
Metal casting and patternmaking  
Metal fitting, turning and machining  
Metal trades programmes  
Metallurgical engineering  
Metallurgical technology  
Micromechanics  
Precision mechanics  
Sheet metal working  
Steel production  
Tool and die making  
Watchmaking  
Welding  

**0716 Motor vehicles, ships and aircraft**  
Aeronautical engineering  
Aerospace engineering  
Agriculture machinery mechanics  
Aircraft engineering  
Aircraft maintenance  
Automotive electrical systems  
Automotive engineering  
Avionics  
Coachwork  
Helicopter construction  
Marine construction  
Marine engineering  
Maritime engineering  
Motorcycle engineering  
Motorcycle mechanics  
Naval engineering  
Panel beating  
Shipbuilding  
Train repair and maintenance  
Vehicle and motor engineering  
Vehicle building  
Vehicle diagnostics  
Vehicle electrical systems  
Vehicle mechanics  
Vehicle painting  
Vehicle repairing  
Vehicle trimming  
Vehicle varnishers/sprayers  

**0719 Engineering and engineering trades not elsewhere classified**  
Nanotechnology  

**072 Manufacturing and processing**  
**0720 Manufacturing and processing not further defined**  

**0721 Food processing**  
Baking  
Brewing  
Butchery  
Cheese production  
Confectionery  
Dairy foods (industrial)  
Dairy science  
Distilling  
Food and drink processing  
Food handling/hygiene
Food preparation  
Food preservation  
Food processing industry  
Food science  
Food science and technology  
Food techniques  
Industrial bakery/flour production  
Meat processing  
Pastry cooking  
Tobacco processing  
Wine production  
Wine science  
Wine storing/maturing

0722 Materials (glass, paper, plastic and wood)
- Boat building (non-motor)
- Cabinet making
- Cane, willow and bamboo work
- Carpentry (furniture)
- Ceramics (industrial)
- Furniture crafts
- Furniture making
- Glass production
- Glass working (industrial)
- Industrial diamond production
- Paper manufacturing and processing
- Plastic manufacturing
- Rubber processing
- Stone cutting
- Synthetic fibre manufacturing
- Timber technology
- Wood machining and turning
- Wood technology
- Woodwork trades
- Woodworking and carpentry

0723 Textiles (clothes, footwear and leather)
- Clothing, apparel and textile working
- Clothing industry
- Clothing trades
- Custom tailoring
- Cutting and tailoring
- Dressmaking
- Embroidery and needlework (industrial)
- Footwear making
- Fur making
- Furrier
- Garment production
- Knitting (industrial)
- Leather goods production
- Leather processing
- Leather trades
- Pelt worker
- Saddlery
- Sewing (industrial)
- Shoe, boot and leather repairing
- Shoemaking
- Skins and leather production
- Soft furnishings
- Spinning
- Tailoring
- Textiles, clothing and footwear
- Textile techniques
- Textile trades
- Upholstery
- Weaving (industrial)
- Wool science

0724 Mining and extraction
- Coal mining
- Drilling
- Mineral technology
- Mining engineering
- Mining of minerals
- Mining technology
- Oil and gas drilling
- Oil and gas extraction
- Quarry supervision
- Raw material extraction

0729 Manufacturing and processing not elsewhere classified
073 Architecture and construction
0730 Architecture and construction not further defined
0731 Architecture and town planning
  Architectural urban design and planning
  Architecture
  Building design
  Cartography/Land surveying
  City planning
  Community development
  Community planning
  Landscape architecture
  Rural development
  Structural architecture
  Surveying
  Topography
  Town and country planning
  Town and regional planning
  Town planning
  Urban planning
  Urban studies

0732 Building and civil engineering
  Bricklaying
  Brickwork and masonry
  Bridge construction
  Building construction
  Building engineering
  Building maintenance
  Building renovation
  Building technology
  Carpentry and joinery (building)
  Cement working
  Civil engineering
  Construction equipment
  Construction plant operation
  Construction technology
  Constructional engineering
  Constructional metalwork (building)
  Demolition
  Dock and harbour engineering
  Drawing, technical
  Excavation engineering
  Floor and wall tiling
  Floor covering
  Glazing
  House building
  Industrial abseiling (commercial)
  Insulation
  Irrigation and drainage (construction)
  Joinery and carpentry (building)
  Masonry and tile setting
  Painting and wall covering
  Pipe fitting
  Plastering (building)
  Plumbing
  Quantity surveying
  Road building
  Roof fixing
  Sanitation (building)
  Scaffolding work
  Stonemasonry
  Structural engineering
  Technical drawing
  Water supply and sewerage engineering
  Water technology and engineering
  Ventilation (building)

078 Inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction
0788 Inter-disciplinary programmes and qualifications involving engineering, manufacturing and construction
079 Engineering, manufacturing and construction not elsewhere classified
0799 Engineering, manufacturing and construction not elsewhere classified
08 Agriculture, forestry, fisheries and veterinary
080 Agriculture, forestry, fisheries and veterinary not further defined
0800 Agriculture, forestry, fisheries and veterinary not further defined

081 Agriculture

0810 Agriculture not further defined

0811 Crop and livestock production

- Agricultural business/agribusiness operations
- Agricultural economics
- Agricultural sciences
- Agriculture
- Agronomy and crop science
- Animal breeding
- Animal husbandry
- Animal training
- Basic skills in agriculture
- Crop growing
- Dog breeding
- Farm and ranch management
- Farm maintenance
- Farming
- Fruit growing
- Fruit production
- Goose keeping
- Grain growing
- Horse breeding
- Horse husbandry
- Irrigation techniques
- Olive growing
- Orchards construction
- Pig farming
- Poultry husbandry
- Race horse care
- Rye and wheat growing
- Sheep farming
- Soil and water technician programmes
- Soil fertility
- Soil science
- Sugar cane growing
- Vegetable plantation
- Wine growing

0812 Horticulture

- Floriculture
- Gardening
- Green keeping
- Greenhouse operations
- Horticultural techniques
- Horticulture
- Landscape gardening
- Nursery management (horticulture)
- Ornamental plants production
- Sports grounds maintenance
- Turf cultivation and management

0819 Agriculture not elsewhere classified

082 Forestry

0821 Forestry

- Charcoal burning
- Forest keeping
- Forest product techniques
- Forest ranging
- Forestry
- Hunting and trapping
- Logging
- Tree felling

083 Fisheries

0831 Fisheries

- Aquaculture
- Deep sea fishing
- Fish breeding
- Fish farms
- Fish husbandry
- Fishery
- Fishery science and technology
- Mariculture
- Pearl cultivating
- Sea food breeding
- Shellfish breeding

084 Veterinary
0841 Veterinary
   Animal health care
   Animal reproduction (science)
   Artificial insemination (of animals)
   Veterinary assisting
   Veterinary medicine
   Veterinary nursing
   Veterinary science

088 Inter-disciplinary programmes and qualifications involving agriculture, forestry, fisheries and veterinary

0888 Inter-disciplinary programmes and qualifications involving agriculture, forestry, fisheries and veterinary

089 Agriculture, forestry, fisheries and veterinary not elsewhere classified

0899 Agriculture, forestry, fisheries and veterinary not elsewhere classified

09 Health and welfare

090 Health and welfare not further defined

0900 Health and welfare not further defined

091 Health

0910 Health not further defined

0911 Dental studies
   Clinical dentistry
   Dental assisting
   Dental hygiene
   Dental laboratory technology
   Dental nursing
   Dental science
   Dental surgery
   Dental technology
   Dentistry
   Odontology
   Oral surgery
   Orthodontics

0912 Medicine
   Anaesthetics
   Anatomy
   Audiology/hearing sciences
   Bacteriology
   Cardiology
   Cytology
   Dermatology
   Epidemiology
   Forensic medicine
   Forensic pathology
   General medicine
   Gerontology
   Gynaecology
   Haematology
   Histology
   Immunology
   Internal medicine
   Medical science
   Medical training
   Medicine
   Naturopathic medicine
   Neurology
   Obstetrics and gynaecology
   Oncology
   Ophthalmic
   Ophthalmology
   Paediatrics
   Pathology
   Physiology
   Plastic surgery
   Preventive and social medicine
   Psychiatry
   Stomatology
   Surgery
   Training of doctors
   Training of physicians

0913 Nursing and midwifery
   Assistant nursing
   Basic nursing
   Community nursing
   General nursing
   Gerontological services
   Health care of old people
Health care of the disabled
Health care programmes
Hygiene, medical
Infant hygiene (nursing)
Midwifery
Mother craft nursing
Nursing
Nursing aide/Orderly
Psychiatric nursing
Specialised nursing

0914 Medical diagnostic and treatment technology
Ambulance service
Ambulance technology
Auditory prosthetics
Emergency para-medical technologies
Forensic medicine technology
Hearing aid technology
Medical laboratory technology
Medical technology
Nuclear medicine technologies
Optical lens making
Optical prosthetics
Optical technology
Orthopaedic prosthetics
Prosthetic technology
Radiography
Radiology technology
Radiotherapy
X-ray technology (medical)

0915 Therapy and rehabilitation
Chiropractice
Dietician programmes
Massage (medical)
Mental health services
Nutrition and dietetics
Occupational therapy
Optometry
Osteopathy
Physiotherapy
Reflexology
Rehabilitation
Speech pathology and therapy
Vocational rehabilitation

0916 Pharmacy
Dispensing pharmacy
Pharmacy

0917 Traditional and complementary medicine and therapy
Acupuncture and oriental medicine
Aromatherapy
Ayurvedic medicine
Herbalism
Herbology
Holistic medicine
Homeopathic medicine
Traditional medicine, for example Chinese

0919 Health not elsewhere classified
092 Welfare

0920 Welfare not further defined

0921 Care of the elderly and of disabled adults
Care (non-medical) of the elderly
Non-medical care of disabled adults
Personal care of adults

0922 Child care and youth services
Child care (non-medical)
Child recreation programmes
Day care
Non-medical care of disabled children
Youth recreation programmes
Youth services
Youth worker programmes

0923 Social work and counselling
Alcohol and drug abuse counselling
Alcohol, tobacco, drugs (knowledge about)
Career advising
Counselling
Crisis support
Family and marriage counselling
Maltreatment (knowledge about)
Mobbing (knowledge about)
Parole officer training
Probation officer training
Social care
Social policy
Social practice
Social theory (applied)
Social work (welfare)
Vocational counselling
Vocational guidance

0929 Welfare not elsewhere classified

098 Inter-disciplinary programmes and qualifications involving health and welfare

0988 Inter-disciplinary programmes and qualifications involving health and welfare

099 Health and welfare not elsewhere classified

0999 Health and welfare not elsewhere classified

10 Services

100 Services not further defined

1000 Services not further defined

101 Personal services

1010 Personal services not further defined

1011 Domestic services
- Caretaking, housekeeping, home service
- Chimney sweeping
- Cleaning
- Cooking (home)
- Custodian/caretaker
- Domestic science
- Dry-cleaning
- Funeral services and mortuary science
- Home economics
- Laundry
- Needlework (home)
- Sewing (home)
- Window cleaning

1012 Hair and beauty services
- Barbering
- Beauty therapy

Cosmetic services
Cosmetology
Fitness and weight control
Fitness services
Hairdressing
Make-up
Manicure
Massage (beauty)
Pedicure
Salon services (beauty therapy)
Wig making

1013 Hotel, restaurants and catering
- Bar service
- Bartender/mixologist
- Catering
- Cooking (restaurant and hotel-type)
- Croupier training
- Culinary arts
- Fast food preparation
- Food and hospitality services
- Food serving
- Hospitality services
- Hotel and restaurant studies
- Hotel receptionist training
- Hotel services
- Waiting and bar service

1014 Sports
- Bookmaking (horses etc)
- Diving (sport)
- Football playing
- Gymnastics
- Jockeying
- Physical training (sports)
- Sport leadership
- Sport trainer studies
- Sports
- Sports coaching
- Sports instructor training
- Umpires and other sports officials
1015 Travel, tourism and leisure
Abseiling (leisure)
Adventure based activities
Ground crew training (airports)
Guiding, tour leading
Leisure and tourism
Recreation and leisure
Recreation management
Tourism
Tourist trades
Travel agency services
Travel and tourism
Travel services

1019 Personal services not elsewhere classified

102 Hygiene and occupational health services

1020 Hygiene and occupational health services not further defined

1021 Community sanitation
Garbage disposal
Hygiene, community
Hygienic standards
Refuse collection
Refuse/sewage disposal
Sanitation, community
Street cleaning
Water supply (service)
Waste management

1022 Occupational health and safety
Ergonomics (occupational health and safety)
Health and safety in the work place
Industrial welfare
Job safety
Labour protection
Labour security
Labour welfare (safety)
Occupational health and industrial hygiene
Occupational health and safety
Stress management

Work environment

1029 Hygiene and occupational health services not elsewhere classified

103 Security services

1030 Security services not further defined

1031 Military and defence
Army training
Defence studies
Military science
National security
Navy training
War theory

1032 Protection of persons and property
Civil security
Customs programmes
Diving (professional)
Fire-protection (fire-fighting)
Fire technology
Law enforcement
Life guarding
Police work
Policing studies
Prison work
Public security
Security and loss prevention services
Security guarding

1039 Security services not elsewhere classified

104 Transport services

1041 Transport services
Air crew (flying and navigation)
Air traffic control
Air traffic safety
Aircraft operation
Aviation
Bus and coach driving
Cabin crew training
Communications (air, railway, road etc.)
Crane and truck driving
Driving training
Flying and navigation
Fork-lift truck driving
Mail operations
Nautical science
Navigation technologies
Postal services
Railway operations
Road motor vehicle operations
Seamanship
Seamen's programmes/qualifications
Ship operation

Shipping
Stewardess/steward training (air)
Transport studies
Truck driving

108 Inter-disciplinary programmes and qualifications involving services
1088 Inter-disciplinary programmes and qualifications involving services
109 Services not elsewhere classified
1099 Services not elsewhere classified
99 Field unknown
999 Field unknown
9999 Field unknown
Appendix III: Alphabetical List

A
1015 Abseiling (leisure)
0411 Accounting
0533 Acoustics
0215 Acting and directing
0542 Actuarial science
0917 Acupuncture and oriental medicine
0413 Administration
0415 Administrative and secretarial services
1015 Adventure based activities
0414 Advertising
0113 Adult literacy and numeracy teacher training
0716 Aeronautical engineering
0716 Aerospace engineering
0213 Aesthetics
0811 Agricultural business/agribusiness operations
0811 Agricultural economics
0811 Agricultural sciences
0811 Agriculture
0716 Agriculture machinery mechanics
0811 Agronomy and crop science
1041 Air crew (flying and navigation)
0712 Air pollution control
1041 Air traffic control
1041 Air traffic safety
0713 Air-conditioning programmes
0716 Aircraft engineering
0716 Aircraft maintenance
1041 Aircraft operation
0923 Alcohol and drug abuse counselling
0923 Alcohol, tobacco, drugs (knowledge about)
0541 Algebra
0914 Ambulance service
0914 Ambulance technology
0912 Anaesthetics
0531 Analytical chemistry
0912 Anatomy
0811 Animal breeding
0841 Animal health care
0811 Animal husbandry
0841 Animal reproduction (science)
0811 Animal training
0211 Animation
0541 Applied mathematics
0542 Applied statistics
0831 Aquaculture
0222 Archaeology
0731 Architectural urban design and planning
0731 Architecture
0322 Archival sciences
0031 Argumentation and presentation
1031 Army training
0917 Aromatherapy
0213 Art history
0213 Art studies
0213 Art theory
0841 Artificial insemination (of animals)
0912 Artificial insemination (of humans)
0619 Artificial intelligence
0031 Assertiveness training
0913 Assistant nursing
0533 Astronomy
0533 Astrophysics
0532 Atmospheric sciences
0416 Auctioneering
0912 Audiology/hearing sciences
0211 Audio-visual techniques and media production
0411 Auditing
0914 Auditory prosthetics
0714 Automation
0716 Automotive electrical systems
0716 Automotive engineering
1041 Aviation
0716 Avionics
0917 Ayurvedic medicine
Bacteriology
Baking
Ballet
Bank teller studies
Banking and finance
Bar service
Barbering
Bartender/mixologist
Basic nursing
Basic programmes and qualifications
Basic remedial programmes for youth or adults
Basic skills in agriculture
Beauty therapy
Beer brewing
Behavioural sciences
Bicycle production
Bicycle repair
Binding and finishing (printing)
Biochemical technologies
Biochemistry
Biological chemistry
Biology
Biometrics
Biophysics
Biotechnology
Biotechnology engineering
Boat building (non-motor)
Boilermaking and welding
Bookbinding
Bookkeeping
Bookmaking (horses etc)
Botany
Brewing
Bricklaying
Brickwork and masonry
Bridge construction

Broad generic (non-specialised) programmes and qualifications
Broadcast journalism
Broadcasting electronics
Building construction
Building design
Building engineering
Building maintenance
Building renovation
Building technology
Bus and coach driving
Business administration
Business correspondence
Business finance
Butchery
Buying and selling

Cabin crew training
Cabinet making
Calligraphy
Camera operating
Cane, willow and bamboo work
Cardiology
Care (non-medical) of the elderly
Care (non-medical) of disabled adults
Care (non-medical) of disabled children
Career advising
Caretaking, housekeeping, home service
Carpentry (furniture)
Carpentry and joinery (building)
Cartography
Catering
Cell biology
Cell technology
Cement working
Ceramics (craft)
Ceramics (industrial)
Charcoal burning
Cheese production
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<td>Child care (non-medical)</td>
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<td>Children recreation programmes</td>
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<td>Chimney sweeping</td>
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<td>Clothing trades</td>
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<td>Commercial law</td>
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<td>Communications equipment installation</td>
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0522 Soil and water conservation
0811 Soil and water technician programmes
0811 Soil fertility
0811 Soil science
0713 Solar energy
0713 Solar power
0211 Sound and vision
0211 Sound techniques
0533 Space science
0113 Special education teaching
0913 Specialised nursing
0114 Specialised subject teaching
0232 Speech and rhetorical studies (first language)
0915 Speech pathology and therapy
0723 Spinning (industrial)
1014 Sport leadership
1014 Sport trainer training
1014 Sports
1014 Sports coaching
1014 Sports instructor training
0812 Sports grounds maintenance
0212 Stage designing
0413 Start your own business-courses
0542 Statistics
0715 Steel production
0415 Stenography
1041 Stewardess/steward training (air)
0412 Stock-brokering
0416 Stock-keeping
0912 Stomatology
0214 Stone carving (craft)
0722 Stone cutting, precious
0732 Stonemasonry
1021 Street cleaning
1022 Stress management
0731 Structural architecture
0732 Structural engineering
0811 Sugar cane growing
0413 Supply change management
0912 Surgery
0542 Survey design
0542 Survey sampling
0731 Surveying
0415 Switchboard operating
0722 Synthetic fibre manufacturing

T
0723 Tailoring
0411 Tax accounting
0411 Tax management
0110 Teacher training
0112 Teacher training, pre-school
0113 Teacher training, primary
0113 Teacher training, lower secondary (without subject specialisation)
0114 Teacher training courses for university teachers
0114 Teacher training in arts and crafts
0114 Teacher training in commercial subjects
0114 Teacher training in music
0114 Teacher training in nursing
0114 Teacher training in physical training
0114 Teacher training in second languages
0114 Teacher training in specific theoretical subjects (e.g. mathematics, history)
0114 Teacher training in technical subjects
0114 Teacher training in vocational subjects
0114 Teacher training with subject specialisation
0113 Teacher training without subject specialisation
0031 Teamwork
0732 Technical drawing
0114 Technical teaching
0710 Technology
0714 Telecommunication technology
0416 Telephone selling
0714 Television and radio repairing
0723 Textile techniques
0723 Textile trades
0723 Textiles, clothing and footwear
0215 Theatre
0221 Theology
0212 Three dimensional design
0722 Timber technology
0031 Time management
0512 Tissue culture technology
0721 Tobacco processing
0715 Tool and die making
0731 Topography
1015 Tourism
0731 Town and country planning
0512 Toxicology
0417 Trade union courses (general)
0917 Traditional medicine
0716 Train repair and maintenance
0413 Training management
0912 Training of doctors
0114 Training of driving instructors
0912 Training of physicians
0114 Training of trainers (with subject specialisation)
0113 Training of trainers (without subject specialisation)
0231 Translation programmes
1041 Transport studies
1015 Travel agency services
1015 Travel and tourism
1015 Travel services
0821 Tree felling
1041 Truck driving
0812 Turf cultivation
0812 Turf management
0211 Type-setting
0415 Typing

U
1014 Umpires and other sports officials
0723 Upholstery
0731 Urban planning
0731 Urban studies

V
0716 Varnishers/sprayers (vehicles)
0811 Vegetable plantation
0716 Vehicle and motor engineering
0716 Vehicle building
0716 Vehicle diagnostics
0716 Vehicle electrical systems
0716 Vehicle mechanics
0716 Vehicle painting
0716 Vehicle repairing
0716 Vehicle trimming
0716 Vehicle varnishers/sprayers
0732 Ventilation (building)
0841 Veterinary assisting
0841 Veterinary medicine
0841 Veterinary nursing
0841 Veterinary science
0811 Vineyard construction
0512 Virology
0811 Viticulture
0923 Vocational counselling
0923 Vocational guidance
0915 Vocational rehabilitation
0532 Vulcanology

W
1013 Waiting and bar service
1031 War theory
0416 Ware-housing
1021 Waste management
0715 Watchmaking
0712 Water pollution control
1021 Water supply (service)
0732 Water supply and sewerage engineering
0732 Water technology and engineering
0214 Weaving (craft)
0723 Weaving (industrial)
0612 Web design (Internet)
0715 Welding
0416 Wholesaling
1012 Wig making
0522 Wildlife management
0522 Wildlife ranger studies
1011 Window cleaning
0212 Window dressing
0713 Wind turbines
0811 Wine growing
0721 Wine production
0721 Wine science
0721 Wine storing/maturing

0314 Women’s studies
0722 Wood machining and turning
0722 Wood technology
0214 Woodcarving
0722 Woodwork trades
0722 Woodworking and carpentry
0723 Wool science
0417 Work development
1022 Work environment
0417 Work place skills
0417 Working life

X
0914 X-ray technology (medical)

Y
0922 Youth recreation programmes
0922 Youth services
0922 Youth worker programmes

Z
0511 Zoology