INTERNATIONAL STANDARD CLASSIFICATION OF EDUCATION
Fields of education and training 2013 (ISCED-F 2013) – Detailed field descriptions
UNESCO

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The UIS is based in Montreal, Canada.
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>4</td>
</tr>
<tr>
<td>00 Generic programmes and qualifications</td>
<td>5</td>
</tr>
<tr>
<td>01 Education</td>
<td>7</td>
</tr>
<tr>
<td>02 Arts and Humanities</td>
<td>10</td>
</tr>
<tr>
<td>03 Social Sciences, Journalism and Information</td>
<td>17</td>
</tr>
<tr>
<td>04 Business, Administration and Law</td>
<td>20</td>
</tr>
<tr>
<td>05 Natural Sciences, Mathematics and Statistics</td>
<td>25</td>
</tr>
<tr>
<td>06 Information and Communication Technologies</td>
<td>29</td>
</tr>
<tr>
<td>07 Engineering, Manufacturing and Construction</td>
<td>31</td>
</tr>
<tr>
<td>08 Agriculture, Forestry, Fisheries and Veterinary</td>
<td>39</td>
</tr>
<tr>
<td>09 Health and Welfare</td>
<td>43</td>
</tr>
<tr>
<td>10 Services</td>
<td>48</td>
</tr>
<tr>
<td>Appendix I. ISCED-F 2013: List of possible codes</td>
<td>54</td>
</tr>
<tr>
<td>Appendix II. Numerical code list</td>
<td>59</td>
</tr>
<tr>
<td>Appendix III. Alphabetical list</td>
<td>80</td>
</tr>
</tbody>
</table>
Introduction

The International Standard Classification of Education (ISCED) is a framework for assembling, compiling and analysing cross-nationally comparable statistics on education. ISCED is a member of the United Nations International Family of Economic and Social Classifications and is the reference classification for organizing education programmes and related qualifications by levels and fields of education. First developed in the mid-1970s by the United Nations Educational, Scientific and Cultural Organization (UNESCO), ISCED has been revised several times, including in both 2011 and 2013.

The revision in 2011, concentrated primarily on changes to the levels of education of programmes (ISCED-P) and introduced, for the first time, a classification of levels of educational attainment based on qualifications (ISCED-A). The 2013 revision focused on the fields of education and training (ISCED-F). The ISCED revisions are the product of international agreement and are adopted formally by the General Conference of UNESCO Member States.

The current 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.
00 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’.

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’.

- 11 -
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 decisionmaking.

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
- Ethnology
- Gender studies
- Social anthropology
- Sociology

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-brokering

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 natural sciences, mathematics and statistics**

0588  **Inter-disciplinary programmes and qualifications involving natural sciences, 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

Handicrafts 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:

- Anaesthesics
- 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
- Herbology
- 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-F 2013: List of possible codes

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Numerical code list

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

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)                  History of medicine
Creative and performance art      History of science and ideas
Dance                             History of technology
Directing (theatre)               Literature history
Drama                             Medieval and renaissance studies
Elocution                         Preservation of artistic heritage
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            
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           

- 62 -
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

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
Social anthropology
Social conflict theory
Social geography
Sociology
Women's studies

0319 Social and behavioural sciences not elsewhere classified

032 Journalism and information

0320 Journalism and information not further defined

0321 Journalism and reporting

Broadcast journalism
Editing
Information (wording and content)
Journalism
Mass communication (wording and content)
News reporting
Publishing (dissemination of messages)

0322 Library, information and archival studies
  Archival sciences
  Curatorial studies
  Documentation
  Information science
  Information searching
  Librarianship training
  Library studies
  Museum documentation
  Museum studies
  Museology

0329 Journalism and information not elsewhere classified

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

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

039 Social sciences, journalism and information not elsewhere classified

0399 Social sciences, journalism and information not elsewhere classified

04 Business, administration and law

040 Business, administration and law not further defined

0400 Business, administration and law not further defined

041 Business and administration

0410 Business and administration not further defined

0411 Accounting and taxation

0412 Finance, banking and insurance
  Bank teller studies
  Banking and finance
  Business finance
  Finance, banking, insurance
  Finance theory
  Financial management
  Insurance
  Investment analysis
  Investments and securities
  Pension insurance
  Social insurance
  Stock-broking

0413 Management and administration
  Administration
  Business administration
  Educational management
  Employment management
  Entrepreneurship
  Enterprise training
  Health administration
  Human resources management
  Local public administration
  Logistic management
  Management of education
  Management science
  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

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)

0688 Inter-disciplinary programmes and qualifications involving Information and Communication Technologies (ICTs)

07 Engineering, manufacturing and construction

070 Engineering, manufacturing and construction not further defined

0700 Engineering, manufacturing and construction not further defined

071 Engineering and engineering trades

0710 Engineering and engineering trades not further defined

0711 Chemical engineering and processes
   Chemical engineering
   Chemical process engineering
Laboratory assistant programmes
Laboratory technician programmes
Laboratory technology
Oil/gas/petrochemicals processing
Oil refining
Plant and machine operation (processing)
Process technology

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

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
      Vineyard construction
      Viticulture
  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

<table>
<thead>
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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

0912 Bacteriology
0721 Baking 0215 Ballet
0412 Bank teller studies 0714 Banking and finance
1013 Bar service 1012 Barbering
1013 Bartender/mixologist 0913 Basic nursing
0011 Basic programmes and qualifications
0021 Basic remedial programmes for youth or adults
0811 Basic skills in agriculture
1012 Beauty therapy 0721 Beer brewing
0310 Behavioural sciences 0715 Bicycle production

0715 Bicycle repair 0211 Binding and finishing (printing)
0711 Biochemical technologies 0512 Biochemistry
0512 Biological chemistry 0511 Biology
0511 Biometrics 0533 Biophysics
0512 Biotechnology 0711 Biotechnology engineering
0722 Boat building (non-motor) 0715 Boilermaking and welding
0211 Bookbinding 0411 Bookkeeping
1014 Bookmaking (horses etc) 0511 Botany
0721 Brewing 0732 Bricklaying
0732 Brickwork and masonry 0732 Bridge construction
0011 Broad generic (non-specialised) programmes and qualifications
0321 Broadcast journalism 0714 Broadcasting electronics
0732 Building construction
0731 Building design 0732 Building engineering
0732 Building maintenance 0732 Building renovation
0732 Building technology 1041 Bus and coach driving
0413 Business administration 0415 Business correspondence
0412 Business finance 0721 Butchery
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0211 Composition equipment operating
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0714 Computer engineering
0211 Computer game production
0211 Computer graphics
0612 Computer media applications
0612 Computer network installation and maintenance
0613 Computer programming
0714 Computer repairing
0613 Computer science
0611 Computer software use
0612 Computer support
0613 Computer systems analysis
0613 Computer systems design
0211 Computer type-setting
0611 Computer use
0215 Conducting (music)
0721 Confectionery
0522 Conservation and land management
0214 Conservation of cultural material
0732 Construction equipment
0732 Construction plant operation
0732 Construction technology
0732 Constructional engineering
0732 Constructional metalwork (building)
0414 Consumer behaviour
1011 Consumer economics
0416 Consumer services
0313 Conversational therapy
0714 Control engineering

1011 Cooking (home)
1013 Cooking (restaurant and hotel-type)
0031 Co-operation skills
1012 Cosmetology
1012 Cosmetology
0212 Costume design
0923 Counselling
0415 Court reporting
0214 Craft programmes
0214 Crafts, folk arts and artisan
0215 Creative and performance art
1041 Crane and truck driving
0232 Creative writing
0421 Criminal justice studies
0314 Criminology
0923 Crisis support
0811 Crop growing and husbandry
1013 Croupier training
1013 Culinary arts
0314 Cultural geography
0222 Cultural history
0314 Cultural studies
0322 Curatorial studies
0111 Curriculum development (theory)
0111 Curriculum studies
1011 Custodian/caretaker
0723 Custom tailoring
0417 Customer service training
1032 Customs programmes
0723 Cutting and tailoring
0912 Cytology

D

0721 Dairy foods (industrial)
0416 Dairy retailing
0721 Dairy science
0215 Dance
0541 Data analysis (mathematics)
0415 Data entry
0714 Data processing technology
0612 Database administrator studies
0922 Day care (children)
0921 Day care (adults)
0214 Decorative metal crafts
0831 Deep sea fishing
1031 Defence studies
0314 Demography/population studies
0732 Demolition
0416 Demonstration techniques
0911 Dental assisting
0911 Dental hygiene
0911 Dental laboratory technology
0911 Dental nursing
0911 Dental science
0911 Dental surgery
0911 Dental technology
0911 Dentistry
0912 Dermatology
0212 Design
0212 Design of industrial products (artistic)
0211 Desktop publishing
0313 Development and child psychology
0031 Development of behavioural skills
0031 Development of mental skills
0031 Development of personal organisational capacities
0111 Didactics
0915 Dietician programmes
0714 Digital technology
0215 Directing (theatre)
0211 Disc jockey training
0916 Dispensing pharmacy
0111 Distance education methodology
0721 Distilling
1032 Diving (professional)
1014 Diving (sport)
0732 Dock and harbour engineering
0322 Documentation
0811 Dog breeding
1011 Domestic science
0215 Drama
0213 Drawing (artistic)
0732 Drawing, technical
0723 Dressmaking
0724 Drilling (industrial)
0114 Driver and safety teacher education
0114 Driving instructor training
1041 Driving training
1011 Dry-cleaning

E
0112 Early childhood teaching (within formal school settings)
0532 Earth science
0712 Ecological technology
0521 Ecology
0311 Econometrics
0311 Economic history
0311 Economics
0311 Economics, business
0321 Editing (newspapers)
0110 Education (not further defined)
0111 Education science
0111 Education technology
0111 Educational assessment, testing and measurement
0111 Educational evaluation and research
0413 Educational management
0913 Elder care, health
0713 Electrical appliances repairing
0713 Electrical engineering
0713 Electrical fitting
0713 Electrical power generation
0713 Electrical trades
0714 Electronic data processing
0714 Electronic engineering
0714 Electronic equipment servicing
0113 Elementary teacher education
0215 Elocution
0214 Embroidery (craft)
0723 Embroidery and needlework (industrial)
0914 Emergency para-medical technologies
0413 Employment management
0712 Energy efficiency
0713 Energy studies
0031 Enhancing personal skills
0511 Entomology
0413 Entrepreneurship
0712 Environmental control
0712 Environmental engineering
0712 Environmental protection technology
0521 Environmental science
0912 Epidemiology
1022 Ergonomics (occupational health and safety)
0213 Etching (artistic)
0223 Ethics
0314 Ethnology
0732 Excavation engineering
0231 Exogenous languages
0923 Family and marriage counselling
0031 Family life development training
0811 Farm and ranch management
0811 Farm maintenance
0811 Farming
0212 Fashion design
0215 Fashion modelling
1013 Fast food preparation
0214 Fibre, textile and weaving arts
0211 Film and video production
0211 Film and TV editing
0412 Finance
0412 Financial management
0213 Fine art printmaking
0213 Fine arts
1032 Fire-protection (fire-fighting)
1032 Fire technology
0232 First language studies
0831 Fish breeding
0831 Fish farming
0831 Fish husbandry
0831 Fishery science and technology
1012 Fitness and weight control
1012 Fitness services
0114 Flight instructor training
0732 Floor and wall tiling
0732 Floor covering
0812 Floriculture
0214 Floristry (flower arranging)
1041 Flying and navigation
0222 Folklore studies
0721 Food and drink processing
1013 Food and hospitality services
0721 Food handling/hygiene
0721 Food preparation
0721 Food preservation
0721 Food processing industry
0721 Food science and technology
1013 Food serving
0721 Food techniques
1014 Football playing
0723 Footwear making
0231 Foreign languages (acquisition of)
0415 Foreign language secretary programmes
0912 Forensic medicine
0914 Forensic medicine technology
0912 Forensic pathology
0512 Forensic science
0821 Forest keeping
0821 Forest product techniques
0821 Forest ranging
0821 Forestry
1041 Fork-lift truck driving
0811 Fruit growing
0021 Functional literacy
1011 Funeral services and mortuary science
0723 Fur making
0722 Furniture crafts
0722 Furniture making
0723 Furrier
0314 Futurology

G
1021 Garbage disposal
0812 Gardening
0723 Garment production

0713 Gas distribution
0314 Gender studies
0912 General medicine
0913 General nursing
0011 General programmes and qualification with no specific subject emphasis
0511 Genetics
0512 Genetic code (DNA, RNA) studies
0512 Genetic engineering
0314 Geography (social)
0314 Geography (social)
0532 Geodesy
0532 Geographic information systems (GIS)
0532 Geography (nature)
0532 Geography (physical)
0532 Geography (social)
0532 Geoinformatics
0532 Geology
0532 Geomatics
0541 Geometry
0532 Geophysics
0532 Geoscience
0532 Geospatial technology
0913 Gerontological services
0912 Gerontology
0214 Glass arts and craft
0722 Glass production
0722 Glass working (industrial)
0732 Glazing
0214 Goldsmithing
0811 Goose keeping
0811 Grain growing
0211 Graphic design
0211 Graphic reproduction
0812 Greenhouse operations
0812 Green keeping
1015 Ground crew training (airport)
1015 Guiding, tour leading
0715 Gunsmithing
1014 Gymnastics
0912 Gynaecology

0811 Horse breeding
0811 Horse husbandry
0812 Horticultural techniques
0812 Horticulture
1013 Hospitality services
1013 Hotel and restaurant studies
1013 Hotel receptionist training
1013 Hotel services
0732 House building
0314 Human geography
0412 Human resources management
0312 Human rights
0821 Hunting and trapping
0715 Hydraulics
0532 Hydrogeology
0532 Hydrology
1021 Hygiene, community
0913 Hygiene, medical
1021 Hygienic standards

0211 Illustration
0912 Immunology
0113 Indigenous crafts
0232 Indigenous language studies
0421 Indigenous law
0113 Indigenous teacher training
0732 Industrial abseiling (commercial)
0721 Industrial bakery/flour production
0212 Industrial design (artistic)
0722 Industrial diamond production
0712 Industrial discharge control
0417 Industrial relations
1022 Industrial welfare
0913 Infant hygiene (nursing)
0613 Informatics (computer science)  
0415 Information processing/data entry  
0322 Information science  
0322 Information searching  
0612 Information technology administration  
0612 Information technology security  
0532 Inorganic chemistry  
0732 Insulation  
0412 Insurance  
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0212 Interior architecture  
0212 Interior decorating  
0212 Interior design  
0912 Internal medicine  
0311 International economics  
0312 International relations  
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0231 Interpretation programmes  
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0412 Investments and securities  
0732 Irrigation and drainage (construction)  
0811 Irrigation techniques  
0421 Islamic sharia law  

K  
0415 Keyboard skills  
0723 Knitting (industrial)  

L  
0711 Laboratory assistant programmes  
0711 Laboratory technician programmes  
0711 Laboratory technology  
0421 Labour law  
1022 Labour protection  
1022 Labour security  
1022 Labour welfare (safety)  
0731 Land surveying  
0731 Landscape architecture  
0812 Landscape gardening  
0231 Language acquisition  
0214 Lapidary and jewellery  
1011 Laundry  
0421 Law  
1032 Law enforcement  
0211 Lay-out  
0723 Leather goods production  
0723 Leather processing  
0723 Leather trades  
0421 Legal practice  
0415 Legal secretary programmes  
0421 Legal studies  
1015 Leisure and tourism  
0322 Librarianship training  
0322 Library programmes  
1032 Life guarding  
0031 Life orientation programmes  
0511 Life sciences  
0511 Limnology  

J  
0214 Jewellery design  
0214 Jewellery making (craft)  
1022 Job safety  
0031 Job-seeking programmes  
1014 Jockeying  
0732 Joinery and carpentry (building)  
0321 Journalism  
0421 Jurisprudence
0232 Linguistics, general
0021 Literacy
0021 Literacy and numeracy
0232 Literature
0222 Literature history
0213 Lithography
0413 Local public administration
0715 Locksmithing and safe repairing
0223 Logic
0821 Logging
0413 Logistic management
0113 Lower secondary teacher training

M
0311 Macro economics
1041 Mail operations
0812 Maintaining sports turf
1012 Make-up
0923 Maltreatment (knowledge about)
0413 Management of education
0413 Management science
0413 Management skills
0415 Management support services
1012 Manicure
0831 Mariculture
0716 Marine construction
0716 Marine engineering
0532 Marine science
0716 Maritime engineering
0414 Market research
0414 Marketing
0732 Masonry and tile setting
0321 Mass communication (wording and content)
1012 Massage (beauty)

0915 Massage (medical)
0542 Mathematical (theoretical) statistics
0541 Mathematics
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0715 Mechanical engineering
0715 Mechanical trades
0211 Media techniques
0914 Medical laboratory technology
0533 Medical physics
0912 Medical science
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0912 Medical training
0912 Medicine
0222 Medieval and renaissance studies
0915 Mental health services
0414 Merchandising
0715 Metal casting and patternmaking
0715 Metal fitting, turning and machining
0715 Metal trades
0715 Metallurgical engineering
0715 Metallurgical technology
0532 Meteorology
0511 Microbiology
0715 Micromechanics
0913 Midwifery
1031 Military science
0724 Mineral technology
0532 Mineralogy
0724 Mining engineering
0724 Mining of minerals
0724 Mining technology
0923 Mobbing (knowledge about)
0511 Molecular biology
0223 Morals
0913 Mother craft nursing
0716 Motorcycle engineering
0716 Motorcycle mechanics
0211 Multimedia production
0322 Museology
0322 Museum documentation
0322 Museum studies
0215 Music
0215 Music conducting
0214 Musical instruments (making, repairing and tuning)
0215 Musicology
0511 Mycology

N
0719 Nanotechnology
0311 National accounts
0522 National parks and wildlife management
1031 National security
0522 Nature conservation
0912 Naturopathic medicine
1041 Nautical science
0716 Naval engineering
1041 Navigation technologies
1031 Navy training
0214 Needle craft
1011 Needlework (home)
0612 Network administration
0612 Network design (computers)
0714 Network technology
0912 Neurology
0321 News reporting
0712 Noise pollution control
0421 Notary/Notary’s practise
0914 Nuclear medicine technologies

0533 Nuclear physics
0713 Nuclear, hydraulic and thermal energy
0021 Numeracy
0541 Numerical analysis
0812 Nursery management (horticulture)
0913 Nursing
0913 Nursing aide/Orderly
0114 Nursing teacher training
0915 Nutrition and dietetics
0915 Nutrition science

O
0912 Obstetrics and gynaecology
1022 Occupational health and industrial hygiene
1022 Occupational health and safety
0915 Occupational therapy
0532 Ocean life sciences
0532 Oceanography
0911 Odontology
0415 Office automation
0413 Office management
0724 Oil and gas drilling
0724 Oil and gas extraction
0711 Oil refining
0711 Oil/gas/petrochemicals processing
0811 Olive growing
0912 Oncology
0613 Operating systems (IT)
0415 Operation of office machines
0541 Operational research
0912 Ophthalmology
0914 Optical lens making
0914 Optical prosthetics
0914 Optical technology
0533 Optics
0915 Optometry
0911 Oral surgery
0811 Orchards construction
0531 Organic chemistry
0417 Organisation at work
0413 Organisational theory and behaviour
0812 Ornamental plant production
0511 Ornithology
0911 Orthodontics
0914 Orthopaedic prosthetics
0915 Osteopathy

P
0912 Paediatrics
0111 Paedagogical sciences (education)
0213 Painting (art)
0732 Painting and wall covering
0532 Palaeontology
0716 Panel beating
0722 Paper manufacturing and processing
0421 Para-legal studies
0511 Parasitology
0031 Parenting courses
0923 Parole officer training
0721 Pastry cooking
0912 Pathology
0312 Peace and conflict studies
0831 Pearl cultivating
1012 Pedicure
0723 Pelt work
0412 Pension insurance
0413 Performance appraisal
0215 Performing arts
0921 Personal care of adults
0031 Personal career planning
0031 Personal development
0031 Personal skills
0413 Personnel administration
0413 Personnel management
0531 Petrology
0512 Pharmacology
0916 Pharmacy
0232 Philology (first language)
0223 Philosophy
0213 Philosophy of art
0231 Phonetics
0211 Photo developing
0211 Photography
0114 Physical education teacher training
0531 Physical chemistry
1014 Physical training (sports)
0533 Physics
0912 Physiology
0915 Physiotherapy
0214 Picture framing
0811 Pig farming
0732 Pipe fitting
0533 Planetary sciences
0711 Plant and machine operation (processing)
0732 Plastering (building)
0722 Plastic manufacturing
0912 Plastic surgery
0732 Plumbing
1032 Police work
1032 Policing studies
0311 Political economics
0312 Political history
0312 Political science
0312 Politics
0531 Polymer chemistry
0031 Positive thinking
1041 Postal services
0811 Poultry husbandry
0713 Power production
0713 Power line installation and maintenance
0110 Practical paedagogical courses
0211 Pre-press operations
0112 Pre-primary teacher training
0715 Precision mechanics
0031 Presentation skills
0222 Preservation of artistic heritage
0912 Preventive and social medicine
0011 Primary level programmes and qualifications
0113 Primary teaching (without subject specialisation)
0211 Print finishing and binding
0211 Printing
0211 Printing machining
1032 Prison work
0542 Probability theory
0923 Probation officer training
0711 Process technology
0812 Production of ornamental plants
0613 Programming (computer)
0613 Programming languages (Visual Basic, C++ etc.)
0613 Programming languages development
0416 Property sales
0914 Prosthetic technology
0913 Psychiatric nursing
0912 Psychiatry
0313 Psychoanalysis
0313 Psychology

0313 Psychotherapy
0413 Public administration
0413 Public and institution management
0312 Public policy studies
0414 Public relations
1032 Public security
0031 Public speaking
0321 Publishing (dissemination of messages)
0211 Publishing design
0416 Purchasing
0416 Purchasing, procurement and contracts
0541 Pure mathematics

Q
0417 Quality assurance
0413 Quality management
0732 Quantity surveying
0724 Quarry supervision

R
0811 Race horse care
0211 Radio and TV production
0914 Radiography
0914 Radiology technology
0914 Radiotherapy
1041 Railway operations
0724 Raw material extraction
0416 Real-estate business
0415 Receptionist training
0211 Recorded music production
1015 Recreation and leisure
1015 Recreation management
0413 Recruitment
0712 Recycling
0915 Reflexology
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0611 Software for data processing, use of
0611 Software for desktop publishing, use of
0611 Software for word processing, use of
0613 Software localisation
0613 Software programming
0613 Software testing
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-broking
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