Appendix 4

Alphabetic Code List

A
344 Accounting
441 Acoustics
212 Acting and directing
462 Actuarial science
345 Administration
346 Administrative and secretarial services
342 Advertising
525 Aeronautical engineering
525 Aerospace engineering
211 Aesthetics
621 Agricultural business/agribusiness operations
621 Agricultural economics
621 Agricultural sciences
621 Agriculture
525 Agriculture machinery mechanics
621 Agronomy and crop science
840 Air crew programmes (flying and navigation)
851 Air pollution control
840 Air traffic control
522 Air-conditioning programmes
525 Air-craft engineering
525 Air-craft maintenance
840 Aircraft operation
762 Alcohol and drug abuse counselling
762 Alcohol, tobacco, drugs (knowledge about)
461 Algebra
725 Ambulance service
725 Ambulance technology
721 Anaesthesiology
442 Analytical chemistry
721 Anatomy
621 Animal breeding
640 Animal health care
621 Animal husbandry
640 Animal reproduction (science)
621 Animal training
213 Animation
461 Applied mathematics
225 Archaeology
581 Architectural urban design and planning
581 Architecture
322 Archival sciences
090 Argumentation technique
863 Army training
211 Art history
211 Art studies
211 Art theory
210 Arts (broad programmes)
210 Arts and craft (broad programmes)
090 Assertiveness
723 Assistant nursing
441 Astronomy
441 Astrophysics
443 Atmospheric sciences
341 Auctioneering
721 Audiology/hearing sciences
344 Auditing
725 Auditory prosthetics
523 Automation
525 Automotive electricity
525 Automotive engineering
840 Aviation

B
721 Bacteriology
541 Baking
343 Bank teller programmes
343 Banking and finance
811 Bar service
815 Barbering
811 Bartender/mixologist
723 Basic nursing
010 Basic programmes
080 Basic remedial programmes for adults
621 Basic skills in agriculture
815 Beauty therapy
541 Beer brewing
310 Behavioural sciences
521 Bicycle production
521 Bicycle repair
213 Binding and finishing (printing)
524 Biochemical technologies
421 Biochemistry
421 Biology
421 Biometrics
421 Biophysics
524 Biotechnology engineering
543 Boat building (non-motor)
521 Boilermaking and welding
213 Bookbinding
344 Bookkeeping
813 Bookmaking (horses etc)
421 Botany
541 Brewing
582 Bricklaying
582 Brickwork and masonry
582 Bridge construction
010 Broad, general programmes
321 Broadcast journalism
523 Broadcasting electronics
582 Building construction
581 Building design
582 Building engineering
582 Building maintenance
582 Building renovation
582 Building technology
840 Bus and coach driving
345 Business administration
340 Business and administration (broad programmes)
346 Business correspondence
343 Business finance
340 Business programmes, broad
340 Business studies (broad programmes)
541 Butchering
341 Buying and selling

C
840 Cabin crew training
543 Cabinet making
211 Calligraphy
213 Camera operating
543 Cane willow and bamboo work
721 Cardiology
723 Care of old people
723 Care of the disabled
762 Career advising
814 Catering
582 Carpentering (not building)
582 Carpentry and joinery (building)
581 Cartography/Land surveying
811 Coaching
582 Cement working
215 Ceramics (craft)
543 Ceramics (industrial)
541 Cheese production
524 Chemical engineering
524 Chemical process engineering
442 Chemistry
761 Child care
761 Children recreation programmes
814 Chimney sweeping
726 Chiropractic
212 Choreography
213 Cinematography
212 Circus
581 City planning
313 Civics
582 Civil engineering
861 Civil security
144 Class teacher training
814 Cleaning
346 Clerical programmes
347 Clients’ needs
522 Climate engineering
724 Clinical dentistry
542 Clothing industry
542 Clothing trades programmes
542 Clothing, apparel and textile working
090 Co-operation
525 Coachwork
544 Coal mining
380 Commercial law
840 Communication (air, railway, road etc.)
090 Communication skills
523 Communication systems
321 Communication, mass- (wording and content)
523 Communications equipment installation
523 Communications equipment maintenance
581 Community development
723 Community nursing
581 Community planning
347 Company knowledge
225 Comparative literature
213 Compositing (printing)
212 Composition (music)
213 Composition equipment operating
523 Computer repairing
523 Computer engineering
213 Computer graphics
481 Computer programming
481 Computer science
482 Computer software use
481 Computer system analysis
481 Computer system design
213 Computer type-setting
482 Computer use
212 Conducting (music)
541 Confectionery
852 Conservation and land management
215 Conservation of cultural material
582 Constructing plant operation
582 Construction technology
582 Constructional engineering
582 Constructional metalwork (building)
814 Consumer economics
341 Consumer services
523 Control engineering
814 Cooking (home)
811 Cooking (restaurant and hotel-type)
815 Cosmetic services
815 Cosmetology
214 Costume design
762 Counselling
346 Court reporting
215 Craft programmes
215 Crafts, folk arts and artisanry
840 Crane driving
223 Creative writing
380 Criminal justice studies
312 Criminology
762 Crisis support
621 Crop husbandry
811 Culinary arts
312 Cultural geography
225 Cultural history
312 Cultural studies
142 Curriculum development (theory)
814 Custodian/caretaker
542 Custom tailoring
861 Customs programmes
542 Cutting and tailoring
721 Cytology

D
541 Dairy foods (industrial)
341 Dairy retailing
541 Dairy science
212 Dance
461 Data analysis (mathematics)
346 Data entry
523 Data processing technology
215 Decorative metal crafts
624 Deep sea fishing
863 Defence studies
312 Demography/population studies
582 Demolition
341 Demonstration techniques
724 Dental assisting
724 Dental hygiene
724 Dental laboratory technology
724 Dental nursing
724 Dental science
724 Dental surgery
724 Dental technology
724 Dentistry
721 Dermatology
214 Design
214 Design of industrial products (artistic)
213 Desktop publishing
311 Development and child psychology
090 Development of behavioural capacities
090 Development of mental skills
090 Development of personal organisational capacities
142 Didactics
726 Dietician programmes
523 Digital technology
212 Directing (theatre)
213 Discjockey training
727 Dispensing pharmacy
142 Distance education methodology
541 Distilling
861 Diving (professional)
813 Diving (sport)
582 Dock and harbour engineering
322 Documentation
621 Dog breeding
814 Domestic science
212 Drama

E
143 Early childhood teaching
443 Earth science
851 Ecological technology
422 Ecology
314 Econometrics
314 Economic history
314 Economics
340 Economics, business
142 Education science
140 Education technology
142 Educational assessment, testing and measurement
142 Educational evaluation and research
345 Educational management
723 Elder care
522 Electrical appliances repairing
522 Electrical engineering
522 Electrical fitting
522 Electrical power generation
522 Electrical trades programmes
523 Electronic data processing
523 Electronic engineering
523 Electronic equipment servicing
144 Elementary teacher education
212 Elocution
215 Embroidery (craft)
542 Embroidery and needlework (industrial)
725 Emergency para-medical technologies
345 Employment management
522 Energy programmes
522 Energy studies
520 Engineering (broad programmes)
520 Engineering industry programmes
500 Engineering physics
090 Enhancing personal skills
345 Enterprise training
421 Entomology
850 Environmental conservation
851 Environmental control
850 Environmental protection
851 Environmental protection technology
422 Environmental science
850 Environmental studies
721 Epidemiology
862 Ergonomics (occupational health and safety)
211 Etching (artistic)
226 Ethics
312 Ethnology
582 Excavation engineering
762 Family and marriage counselling
090 Family life development training
621 Farm and ranch management
621 Farm maintenance
621 Farming
214 Fashion design
212 Fashion modelling
215 Fibre, textile and weaving arts
213 Film production
213 Film and TV editing
343 Finance theory
343 Finance, banking, insurance
343 Financial management
211 Fine art printmaking
861 Fire technology
861 Fire-protection (fire fighting)
624 Fish breeding
624 Fish farms
624 Fish husbandry
624 Fishery
624 Fishery science and technology
815 Fitness and weight control
815 Fitness services
146 Flight instructor training
582 Floor and wall tiling
582 Floor covering
622 Floriculture
215 Floristry (flower arranging)
840 Flying and navigation
541 Food and drink processing
811 Food and hospitality services
541 Food handling/hygiene
541 Food preparation
541 Food preservation
541 Food processing industry
541 Food programmes
541 Food science
541 Food science and technology
811 Food serving
541 Food technique
813 Football playing
542 Footwear making
346 Foreign language secretary programmes
721 Forensic medicine
725 Forensic medicine technology
623 Forest keeping
623 Forest product techniques
623 Forest ranging
623 Forestry
840 Fork-lift driving
621 Fruit growing
621 Fruit production
080 Functional literacy
814 Funeral services and mortuary science
542 Fur making
543 Furniture crafts
543 Furniture making
542 Furrier
312 Futurology
853 Garbage disposal
622 Gardening
542 Garment production
522 Gas distribution
312 Gender studies
721 General medicine
010 General programmes with no special subject emphasis
421 Genetics
443 Geodesy
312 Geography (social)
443 Geography (nature)
443 Geography (physical)
443 Geology
461 Geometry
443 Geophysics
443 Geoscience
723 Gerontological services
721 Gerontology
215 Glass arts and craft
543 Glass production
543 Glass working (industrial)
582 Glazing
215 Goldsmithing
621 Goose keeping
621 Grain growing
213 Graphic design
213 Graphic reproduction
622 Greenhouse operations
622 Greenkeeping
812 Ground crew training (airport)
812 Guiding, tour leading
521 Gunsmith
813 Gymnastics
721 Gynaecology
721 Haematology
815 Hairdressing
215 Handicrafts
720 Health (broad programmes)
862 Health and safety in the work place
723 Health care programmes
725 Hearing aid technology
522 Heating trades programmes
525 Helicopter construction
721 Histology
225 History
225 History and philosophy of science and technology
211 History of art
| 212 | History of film and theatre |
| 380 | History of law |
| 212 | History of music |
| 225 | History of science and ideas |
| 814 | Home economics |
| 223 | Home language |
| 144 | Home language teacher training |
| 721 | Homeopathic medicine |
| 621 | Horse breeding |
| 621 | Horse husbandry |
| 622 | Horticultural technique |
| 622 | Horticulture |
| 811 | Hospitality services |
| 811 | Hotel receptionist training |
| 811 | Hotel services |
| 811 | Hotel- and restaurant programmes |
| 811 | Hotel/motel and restaurant services |
| 345 | Human resources management |
| 312 | Human geography |
| 313 | Human rights |
| 220 | Humanities (broad programmes) |
| 623 | Hunting and trapping |
| 521 | Hydraulics |
| 443 | Hydrogeology |
| 443 | Hydrology |
| 853 | Hygiene, community |
| 723 | Hygiene, medical |
| 853 | Hygienic standards |
| 582 | Irrigation and drainage (construction) |
| 621 | Irrigation techniques |
| J | 215 | Jewellery design |
| 215 | Jewellery making (craft) |
| 862 | Job safety |
| 090 | Job-seeking programmes |
| 813 | Jockeying |
| 582 | Joining and carpentry |
| 321 | Journalism |
| 380 | Jurisprudence |
| K | 346 | Keyboard skills |
| 542 | Knitting (industrial) |
| L | 524 | Laboratory assistant programmes |
| 524 | Laboratory technician programmes |
| 524 | Laboratory technology |
| 380 | Labour law |
| 862 | Labour protection |
| 862 | Labour security |
| 862 | Labour welfare (safety) |
| 581 | Landscape architecture |
| 622 | Landscape gardening |
| 223 | Language maintenance |
| 222 | Languages, dead |
| 222 | Languages, foreign |
| 223 | Languages, native |
| 215 | Lapidary and jewellery |
| 814 | Laundry |
| 380 | Law |
| 861 | Law enforcement |
| 213 | Lay-out |
| 542 | Leather goods maker |
| 542 | Leather goods production |
| 542 | Leather processing |
| 542 | Leather trades programmes |
| 380 | Legal practice |
| 346 | Legal secretary programmes |
| 380 | Legal studies |
| 812 | Leisure and tourism |
| 322 | Librarianship training |
| 322 | Library programmes |
| 861 | Life guarding |
| 090 | Life orientation programmes |
| 421 | Life sciences |
| 421 | Limnology |
| 222 | Linguistics, foreign languages |
| 223 | Linguistics, native language |
| 080 | Literacy |
| 225 | Literature history |
| 211 | Lithography |
345 Local public administration
521 Locksmith and safe repairer
226 Logic
345 Logistic management

**M**
314 Macro economics
840 Mail operations
622 Maintaining sports turf
520 Maintenance engineering (broad programmes)
815 Make-up
215 Making of musical instruments (not industrial)
345 Management of education
345 Management science
345 Management skills
346 Management support services
815 Manicure
624 Mariculture
525 Marine construction
443 Marine science
525 Maritime engineering
342 Market research
342 Marketing
582 Mason and tile setting
582 Masonry
321 Mass communication (wording and content)
815 Massage (beauty)
726 Massage (medical)
520 Materials technology
462 Mathematical (theoretical) statistics
461 Mathematics
541 Meat processing
521 Mechanical engineering
521 Mechanical trades programmes
213 Media techniques
725 Medical laboratory technology
721 Medical science
346 Medical secretary programmes
725 Medical technology
721 Medical training
721 Medicine
225 Medieval and renaissance studies
726 Mental health services
342 Merchandising
521 Metal casting and patternmaking
521 Metal fitting, turning and machining
521 Metal trades programmes
521 Metallurgical engineering
521 Metallurgical technology
443 Meteorology
421 Microbiology
521 Micromechanics
723 Midwifery
863 Military science
544 Mineral technology
443 Mineralogy
544 Mining engineering
544 Mining technology
762 Mobbing and maltreatment
421 Molecular biology
226 Morals
223 Mother tongue programmes
723 Mothercraft nursing
525 Motorbike mechanics
525 Motorcycle engineering
213 Multimedia production
225 Museology
322 Museum documentation
212 Music
212 Music and the stage
215 Musical instruments (repairing and tuning)

**N**
314 National accounts
852 National parks and wildlife management
863 National security
850 Natural resource use programmes
850 Natural resources conservation
852 Nature conservation
721 Naturopathic medicine
840 Nautical science
525 Naval engineering
840 Navigation technologies
215 Needle craft
814 Needlework (home)
481 Network administration
523 Network technology
721 Neurology
321 News reporting
851 Noise pollution control
380 Notary/Notary’s practise
725 Nuclear medicine technologies
441 Nuclear physics
522 Nuclear, hydraulic and thermal energy
080 Numeracy
461 Numerical analysis
622 Nursery management (horticulture)
723 Nursing
723 Nursing aide/Orderly
146 Nursing teacher training
726 Nutrition/dietetics
421 Nutrition science
726 Nutrition and dietetics

**O**
721 Obstetrics and gynaecology
862 Occupational health and industrial hygiene
862 Occupational health and safety
726 Occupational therapy
443 Ocean life sciences
443 Oceanography
724 Odontology
346 Office automation
345 Office management
544 Oil and gas extraction
524 Oil refining
524 Oil/gas/petrochemicals processing
621 Olive growing
721 Oncology
481 Operating systems
346 Operation of office machines
461 Operations research
721 Ophthalmics
721 Ophthalmology
725 Optical lens making
725 Optical prosthetics/lenses
725 Optical technology
441 Optics
726 Optometry
621 Orchards construction
442 Organic chemistry
347 Organisation at work
345 Organisational theory and behaviour
421 Ornithology
724 Orthodontics
725 Orthopaedic prosthetics
726 Osteopathy

P
721 Paediatrics
211 Painting (art)
582 Painting and wall covering
443 Palaeontology
525 Panel beating
543 Paper manufacturing and processing
380 Para-legal studies
421 Parasitology
541 Pastry cooking
721 Pathology
313 Peace and conflict studies
142 Pedagogical sciences (education)
815 Pedicure
542 Pelt worker
343 Pension insurance
345 Performance appraisal
212 Performing arts
090 Personal career planning
090 Personal development
345 Personnel administration
345 Personnel management
442 Petrology
421 Pharmacology
727 Pharmacy
223 Philology (native language)
226 Philosophy
211 Philosophy of art
213 Photo developing
213 Photography
146 Physical education teacher training
813 Physical training (sports)

441 Physics
721 Physiology
726 Physiotherapy
215 Picture framing
621 Pig farming
582 Pipe fitting
441 Planetary sciences
524 Plant and machine operation (processing)
582 Plastering (building)
543 Plastic manufacturing
721 Plastic surgery
582 Plumbing
861 Police work
861 Policing studies
314 Political economy
313 Political history
313 Political science
313 Politics
442 Polymer chemistry
090 Positive thinking
146 Post-school teacher training
840 Postal service
621 Poultry husbandry
522 Power production
522 Powerline installation and maintenance
140 Practical pedagogical courses
143 Pre-primary teacher training
521 Precision mechanics
090 Presentation technique
721 Preventive and social medicine
144 Primary teaching
213 Printing
213 Printing machining
861 Prison work
462 Probability theory
524 Process technology
622 Production of ornamental plants
481 Programming (computer)
481 Programming languages (Visual Basic, C++ etc.)
341 Property sales
725 Prosthetic technology
723 Psychiatric nursing
721 Psychiatry
311 Psychoanalysis
311 Psychology
311 Psychotherapy
345 Public administration
345 Public and institution management
720 Public health programmes
342 Public relations
861 Public security
090 Public speaking
321 Publishing (dissemination of messages)
213 Publishing design
341 Purchasing
341 Purchasing, procurement and contracts
Q
347 Quality assurance
520 Quality control (technical)
345 Quality management
582 Quantity surveying
544 Quarry supervision

R
621 Race horse care
213 Radio and TV production
725 Radiography
725 Radiology technology
725 Radiotherapy
840 Railway operations
544 Raw material extraction
341 Real-estate business
346 Receptionist training
213 Recorded music production
812 Recreation and leisure
812 Recreation management
345 Recruitment
851 Recycling
726 Reflexology
522 Refrigeration programmes
853 Refuse collection
853 Refuse/sewage disposal
312 Regional cultures
726 Rehabilitation
221 Religion
221 Religious history
221 Religious studies
341 Retailing
582 Road building
840 Road motor vehicle operations
523 Robotics
582 Roof fixing
543 Rubber processing
581 Rural development
621 Rye and wheat growing

S
221 Sacred books, study of
542 Saddlery
342 Sales and marketing
341 Sales representatives
815 Salon services (beauty therapy)
582 Sanitation (building)
853 Sanitation, community
582 Scaffolding work
211 Sketching (art)
213 Screen printing
211 Sculpture
840 Seamanship
840 Seamen's programmes
222 Second languages
145 Secondary teaching
346 Secretarial programmes
861 Security and loss prevention services
861 Security guarding
443 Seismology
090 Self esteem skills
090 Self-confidence
222 Semantics, foreign languages
223 Semantics, native language
814 Sewing (home)
542 Sewing (industrial)
621 Sheep farming
521 Sheetmetal working
624 Shellfish breeding
840 Ship operation
525 Shipbuilding
542 Shoe production
542 Shoe, boot and leather repairing
542 Shoemaking
346 Shorthand
223 Sign language
213 Silk screen printing
215 Silversmithing
080 Simple literacy
542 Skins and leather production
312 Social anthropology
762 Social care
090 Social competence
312 Social conflict theory
312 Social geography
343 Social insurance
762 Social policy
762 Social practice
310 Social sciences
762 Social theory (applied)
762 Social work (welfare)
312 Sociology
542 Soft furnishings
482 Software for calculating (spreadsheets)
482 Software for data processing
482 Software for desktop publishing
482 Software for word processing
481 Software localisation
481 Software testing
850 Soil and water conservation
621 Soil and water technician programmes
621 Soil fertility
621 Soil science
522 Solar energy
213 Sound and vision
213 Sound technique
441 Space science
144 Special education teaching
145 Special subject teaching
223 Speech and rhetorical studies (native language)
726 Speech pathology and therapy
542 Spinning
813 Sport leadership
813 Sport trainer training
813 Sports
813 Sports coaching
622 Sports grounds maintenance
813 Sports instructor training
214 Stage designing
345 Start your own business-courses
462 Statistics
521 Steel production
346 Stenography
840 Stewardess/steward training (air)
343 Stock-brokering
341 Stock-keeping
721 Stomatology
215 Stone carving (craft)
543 Stone cutting
582 Stonemasonry
853 Street cleaning
862 Stress at work
581 Structural architecture
582 Structural engineering
721 Surgery
462 Survey design
462 Survey sampling
581 Surveying
346 Switchboard operating
543 Synthetic fibre manufacturing

T
542 Tailoring
344 Tax accounting
140 Teacher education
140 Teacher training
146 Teacher training in arts and crafts
146 Teacher training in commercial subjects
146 Teacher training in music
146 Teacher training in nursing
146 Teacher training in technical subjects
145 Teacher training, theoretical subjects
146 Teacher training, physical training
146 Teacher training, vocational subjects
090 Teamwork
582 Technical drawing
146 Technical teaching
500 Technology
523 Telecommunication technology
341 Telephone selling
523 Television and radio repairing
542 Textile technique
542 Textile trades programmes
542 Textiles, clothing and footwear
212 Theatre
214 Three dimensional design
543 Timber technology
090 Time management
541 Tobacco processing
521 Tool and die making
581 Topography
812 Tourism
812 Tourist trades programmes
581 Town and country planning
581 Town and regional planning
581 Town planning
421 Toxicology
347 Trade union courses (general)
345 Training management
721 Training of doctors
146 Training of instructors in companies etc.
721 Training of physicians
146 Training of trainers
222 Translation programmes
840 Transport programmes
812 Travel agency services
812 Travel and tourism
812 Travel services
840 Truck driving
622 Turf cultivation
622 Turf management
213 Type-setting
346 Typing

U
813 Umpires and other sports officials
542 Upholstery
581 Urban planning
581 Urban studies

V
525 Varnishers/sprayers
621 Vegetable plantation
525 Vehicle and motor engineering
525 Vehicle building
525 Vehicle diagnostics
525 Vehicle electricity
525 Vehicle mechanics
525 Vehicle painting
525 Vehicle repairing
525 Vehicle trimming
582 Ventilation (building)
640 Veterinary assisting
640 Veterinary medicine
640 Veterinary science
621 Vineyard construction
421 Virology
621 Viticulture
762 Vocational counselling
762 Vocational guidance
726 Vocational rehabilitation
146 Vocational teacher training
443 Vulcanology
W
811 Waiting and bar service
863 War theory
341 Ware-housing
521 Watchmaking
851 Water pollution control
853 Water supply (service)
582 Water supply and sewerage engineering
582 Water technology and engineering
215 Weaving (craft)
542 Weaving (industrial)
521 Welding
341 Wholesaling
815 Wig making
852 Wildlife management
852 Wildlife ranger studies
214 Window dressing
621 Wine growing
541 Wine production
541 Wine science
541 Wine storing/maturing
312 Women studies
543 Wood machining and turning
543 Wood technology
215 Woodcarving
543 Woodwork trades programmes
543 Woodworking and carpentry
542 Wool science
347 Work development
862 Work environment
347 Working life

X
725 X-ray technology (medical)

Y
761 Youth recreation programmes
761 Youth services
761 Youth worker programmes

Z
421 Zoology