Appendix 3

Numerical Code List

010 Basic / broad, general programmes
   Basic programmes
   Broad, general programmes
   General programmes with no special subject emphasis

080 Literacy and numeracy
   Basic remedial programmes for adults
   Functional literacy
   Literacy
   Numeracy
   Simple literacy

090 Personal skills
   Argumentation technique
   Assertiveness
   Co-operation
   Communication skills
   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
   Personal career planning
   Personal development
   Positive thinking
   Presentation technique
   Public speaking
   Self esteem skills
   Self-confidence
   Social competence
   Teamwork
   Time management

140 Teacher training and education science (broad programmes)
   Education technology
   Practical pedagogical courses
   Teacher education
   Teacher training

142 Education science
   Curriculum development (theory)
   Didactics
   Distance education methodology
   Education science
   Educational assessment, testing and measurement
   Educational evaluation and research
   Pedagogical sciences (education)

143 Training for pre-school teachers
   Early childhood teaching
   Pre-primary teacher training

144 Training for teachers at basic levels
   Class teacher training
   Elementary teacher education
   Home language teacher training
   Primary teaching
   Special education teaching

145 Training for teachers with specialisation in general subjects
   Secondary teaching
   Special subject teaching
   Teacher training, theoretical subjects

146 Training for teachers of vocational subjects
   Driver and safety teacher education
   Driving instructor training
   Flight instructor training
   Nursing teacher training
   Physical education teacher training
   Post-school teacher training
   Teacher training in arts and crafts
   Teacher training in commercial subjects
   Teacher training in music
   Teacher training in nursing
   Teacher training in technical subjects
   Teacher training, physical training
   Teacher training, vocational subjects
   Technical teaching
   Training of instructors in companies etc.
   Training of trainers
   Vocational teacher training

210 Arts (broad programmes)
   Arts (broad programmes)
   Arts and craft (broad programmes)

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

212 Music and performing arts
Acting and directing
Choreography
Circus
Composition (music)
Conducting (music)
Dance
Directing (theatre)
Drama
Elocution
Fashion modelling
History of music
History of film and theatre
Music
Music and the stage
Performing arts
Theatre

213 Audio-visual techniques and media production
Animation
Binding and finishing (printing)
Bookbinding
Camera operating
Cinematography
Compositing (printing)
Composition equipment operating
Computer graphics
Computer type-setting
Desktop publishing
Discjockey training
Film and TV editing
Film production
Graphic design
Graphic reproduction
Illustration
Lay-out
Media techniques
Multimedia production
Photo developing
Photography
Printing
Printing machining
Publishing design
Radio and TV production
Recorded music production
Screen printing
Silk screen printing
Sound and vision
Sound technique
Type-setting

214 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

215 Craft skills
Ceramics (craft)
Conservation of cultural material
Craft programmes
Crafts, folk arts and artisanry
Decorative metal crafts
Embroidery (craft)
Fibre, textile and weaving arts
Floristry (flower arranging)
Glass arts and craft
Goldsmithing
Handicrafts
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

220 Humanities (broad programmes)
Humanities

221 Religion
Religion
Religious history
Religious studies
Sacred books, study of

222 Foreign languages
Interpretation programmes
Languages, dead
Languages, foreign
Linguistics, foreign languages
Second languages
Semantics, foreign languages
Translation programmes

223 Mother tongue
Creative writing
Home language
Language maintenance
Languages, native
Linguistics, native language
Mother tongue programmes
Philology (native language)
Semantics, native language
Sign language
Speech and rhetorical studies (native language)

225 History and archaeology
- Archaeology
- Comparative literature
- Cultural history
- History
- History and philosophy of science and technology
- History of science and ideas
- Literature history
- Medieval and renaissance studies
- Museology

226 Philosophy and ethics
- Ethics
- Logic
- Morals
- Philosophy

310 Social and behavioural science
(broad programmes)
- Behavioural sciences
- Social sciences

311 Psychology
- Conversational therapy
- Development and child psychology
- Psychoanalysis
- Psychology
- Psychotherapy

312 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 studies

313 Political science and civics
- Civics
- Human rights
- International relations
- Peace and conflict studies
- Political history
- Political science
- Politics

314 Economics
- Econometrics
- Economic history
- Economics
- International economics
- Macro economics

National accounts
- Political economy

321 Journalism and reporting
- Broadcast journalism
- Communication, mass- (wording and content)
- Information (wording and content)
- Journalism
- Mass communication (wording and content)
- News reporting
- Publishing (dissemination of messages)

322 Library, information, archive
- Archival sciences
- Documentation
- Information science
- Information searching
- Librarianship training
- Library programmes
- Museum documentation

340 Business and administration
(broad programmes)
- Business and administration
- Business programmes, broad
- Business studies (broad programmes)
- Economics, business

341 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

342 Marketing and advertising
- Advertising
- Market research
- Marketing
- Merchandising
- Public relations
- Sales and marketing

343 Finance, banking, insurance
- Bank teller programmes
- Banking and finance
- Business finance
- Finance theory
- Finance, banking, insurance
- Financial management
- Insurance
- Investment analysis
- Investments and securities
### 344 Accounting and taxation
- Accounting
- Auditing
- Bookkeeping
- Tax accounting

### 345 Management and administration
- Administration
- Business administration
- Educational management
- Employment management
- Enterprise training
- 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
- Training management

### 346 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 machines
- Receptionist training
- Secretarial programmes
- Shorthand
- Stenography
- Switchboard operating
- Typing

### 347 Working life
- Clients’ needs
- Company knowledge
- Industrial relations
- Introductory courses at work
- Organisation at work

### 380 Law
- Commercial law
- Criminal justice studies
- History of law
- Jurisprudence
- Labour law
- Law
- Legal practice
- Legal studies
- Notary/Notary’s practise
- Para-legal studies

### 421 Biology and biochemistry
- Biochemistry
- Biology
- Biometrics
- Biophysics
- Botany
- Entomology
- Genetics
- Life sciences
- Limnology
- Microbiology
- Molecular biology
- Ornithology
- Parasitology
- Pharmacology
- Toxicology
- Virology
- Zoology

### 422 Environmental science
- Ecology
- Environmental science

### 440 Physical science (broad programmes)
- Physical programmes (broad programmes)

### 441 Physics
- Acoustics
- Astronomy
- Astrophysics
- Nuclear physics
- Optics
- Physics
- Planetary sciences
- Space science

### 442 Chemistry
- Analytical chemistry
- Chemistry
- Organic chemistry
- Petrology
- Polymer chemistry

### 443 Earth science
- Atmospheric sciences
- Earth science
- Geodesy
Geography (nature)
Geography (physical)
Geology
Geophysics
Geoscience
Hydrogeology
Hydrology
Marine science
Meteorology
Mineralogy
Ocean life sciences
Oceanography
Palaeontology
Seismology
Vulcanology

461 Mathematics
Algebra
Applied mathematics
Data analysis (mathematics)
Geometry
Mathematics
Numerical analysis
Operations research

462 Statistics
Actuarial science
Mathematical (theoretical) statistics
Probability theory
Statistics, applied
Survey design
Survey sampling

481 Computer science
Computer programming
Computer science
Computer system analysis
Computer system design
Informatics (computer science)
Network administration
Operating systems
Programming (computer)
Programming languages (Visual Basic, C++ etc.)
Software localisation
Software testing

482 Computer use
Computer software use
Computer use
Internet use programmes
Software for calculating (spreadsheets)
Software for data processing
Software for desktop publishing
Software for word processing

520 Engineering and engineering trades (broad programmes)
Engineering
Engineering industry programmes
Maintenance engineering
Materials technology

521 Mechanics and metal work
Bicycle production
Bicycle repair
Boilermaking and welding
Gunsmith
Hydraulics
Locksmith and safe repairer
Mechanical engineering
Mechanical trades programmes
Metal casting and patternmaking
Metal fitting, turning and machining
Metal trades programmes
Metallurgical engineering
Metallurgical technology
Micromechanics
Precision mechanics
Sheetmetal working
Steel production
Tool and die making
Watchmaking
Welding

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

523 Electronics and automation
Automation
Broadcasting electronics
Communication systems
Communications equipment installation
Communications equipment maintenance
Computer repairing
Computer engineering
Control engineering
Data processing technology
Digital technology
Electronic data processing
Electronic engineering
Electronic equipment servicing
Network technology
Robotics
Telecommunication technology
Television and radio repairing
524 Chemical and process
- Biochemical technologies
- Biotechnology engineering
- Chemical engineering
- Chemical process engineering
- Laboratory assistant programmes
- Laboratory technician programmes
- Laboratory technology
- Oil refining
- Oil/gas/petrochemicals processing
- Plant and machine operation (processing)
- Process technology

525 Motor vehicles, ships and aircraft
- Aeronautical engineering
- Aerospace engineering
- Agriculture machinery mechanics
- Air-craft engineering
- Air-craft maintenance
- Automotive electricity
- Automotive engineering
- Coachwork
- Helicopter construction
- Marine construction
- Maritime engineering
- Motorbike mechanics
- Motorcycle engineering
- Naval engineering
- Panel beating
- Shipbuilding
- Varnishers/sprayers
- Vehicle and motor engineering
- Vehicle building
- Vehicle diagnostics
- Vehicle electricity
- Vehicle mechanics
- Vehicle painting
- Vehicle repairing
- Vehicle trimming

540 Manufacturing and processing (broad programmes)
- Manufacturing and processing (broad programmes)

541 Food processing
- Baking
- Beer brewing
- Brewing
- Butchering
- Cheese production
- Confectionery
- Dairy foods (industrial)
- Dairy science
- Distilling
- Food and drink processing
- Food handling/hygiene
- Food preparation
- Food preservation
- Food processing industry
- Food programmes
- Food science
- Food science and technology
- Food technique
- Industrial bakery/flour production
- Meat processing
- Pastry cooking
- Tobacco processing
- Wine production
- Wine science
- Wine storing/maturing

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

543 Materials (wood, paper, plastic, glass)
- Boat building (non-motor)
- Cabinet making
- Cane willow and bamboo work
- Carpentry (not building)
- 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 programmes
Woodworking and carpentry

544 Mining and extraction
Coal mining
Mineral technology
Mining engineering
Mining technology
Oil and gas extraction
Quarry supervision
Raw material extraction

581 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

582 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
Constructing 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
Insulation
Irrigation and drainage (construction)
Joining and carpentry
Mason and tile setting
Masonry
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)

620 Agriculture, forestry and fishery (broad programmes)
Agriculture, forestry and fishery (broad programmes)

621 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 husbandry
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
Vegetable plantation
Wine growing
Vineyard construction
Viticulture

622 Horticulture
Floriculture
Gardening
Greenhouse operations
Greenkeeping
Horticultural technique
Horticulture
Landscape gardening
Maintaining sports turf
Nursery management (horticulture)
Production of ornamental plants
Sports grounds maintenance
Turf cultivation
Turf management

623 Forestry
Forest keeping
Forest product techniques
Forest ranging
Forestry
Hunting and trapping

624 Fisheries
Deep sea fishing
Fish breeding
Fish farms
Fish husbandry
Fishery
Fishery science and technology
Mariculture
Shellfish breeding

640 Veterinary
Animal health care
Animal reproduction (science)
Veterinary assisting
Veterinary medicine
Veterinary science

720 Health (broad programmes)
Health (broad programmes)
Public health programmes

721 Medicine
Anaesthesiology
Anatomy
Audiology/hearing sciences
Bacteriology
Cardiology
Cytology
Dermatology
Epidemiology
Forensic medicine
General medicine
Gerontology
Gynaecology
Haematology
Histology
Homeopathic medicine
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
Stomatolgy
Surgery
Training of doctors
Training of physicians

723 Nursing and caring
Assistant nursing
Basic nursing
Care of old people
Care of the disabled
Community nursing
Elder care
Gerontological services
Health care programmes
Hygiene, medical
Infant hygiene (nursing)
Midwifery
Mothercraft nursing
Nursing
Nursing aide/Orderly
Psychiatric nursing

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

725 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/lenses
Optical technology
Orthopaedic prosthetics
Prosthetic technology
Radiography
Radiology technology
Radiotherapy
X-ray technology (medical)

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

727 Pharmacy
Dispensing pharmacy
Pharmacy

761 Child care and youth services
Child care
Children recreation programmes
Youth recreation programmes
Youth services
Youth worker programmes

762 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)
Social care
Social policy
Social practice
Social theory (applied)
Social work (welfare)
Vocational counselling
Vocational guidance

810 Personal services (broad programmes)
Personal services (broad programmes)

811 Hotel, restaurant and catering
Bar service
Bartender/mixologist
Catering
Cooking (restaurant and hotel-type)

Culinary arts
Food and hospitality services
Food serving
Hospitality services
Hotel receptionist training
Hotel services
Hotel- and restaurant programmes
Hotel/motel and restaurant services
Waiting and bar service

812 Travel, tourism and leisure
Ground crew training (airport)
Guiding, tour leading
Leisure and tourism
Recreation and leisure
Recreation management
Tourism
Tourist trades programmes
Travel agency services
Travel and tourism
Travel services

813 Sports
Bookmaking (horses etc)
Diving (sport)
Football playing
Gymnastics
Jockeying
Physical training (sports)
Sport leadership
Sport trainer training
Sports
Sports coaching
Sports instructor training
Umpires and other sports officials

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

815 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

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

850 Environmental protection (broad programmes)
Environmental conservation
Environmental protection
Environmental studies
Natural resource use programmes
Natural resources conservation
Soil and water conservation

851 Environmental control and technology
Air pollution control
Ecological technology
Environmental control
Environmental protection technology
Industrial discharge control
Noise pollution control
Recycling
Water pollution control

852 Natural environments and wildlife
Conservation and land management
National parks and wildlife management

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

860 Security services (broad programmes)
Security services (broad programmes)

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

862 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 at work
Work environment

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