

PUSAT PENGURUSAN KUALITI UNIVERSITI (PPQ)

NAMA DOKUMEN : PENGGUNAAN DAN PEMAKAIAN KOD PENDIDIKAN NASIONAL (*NATIONAL EDUCATION CODE-2020*) (NEC-2020) SEBAGAI RUJUKAN TUNGGAL KOD BIDANG PENDIDIKAN DAN LATIHAN MALAYSIA

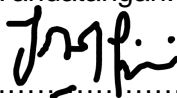
NOMBOR RUJUKAN : KPT.100-15/2/2(12)

EDISI : -

TARIKH KUATKUASA : 01 JANUARI 2022

DILULUSKAN

Tandatangan:



Nama: Prof Madya Dr. Noor Hasmini binti Hj Abd Ghani

Jawatan: Pengarah PPQ

Tarikh: 10 November 2021



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Tarikh : 24 September 2021

SENARAI EDARAN SEPERTI DI LAMPIRAN I

YBhg. Tan Sri Dato' Prof./ Dato' Sri/Lt Jen. Dato'/Datuk Prof. /Dato' Prof./
Dr./Tuan/Puan,

PENGGUNAAN DAN PEMAKAIAN KOD PENDIDIKAN NASIONAL (*NATIONAL EDUCATION CODE-2020*) (NEC-2020) SEBAGAI RUJUKAN TUNGGAL KOD BIDANG PENDIDIKAN DAN LATIHAN MALAYSIA

Dengan segala hormatnya, izinkan saya menjemput perhatian YBhg. Tan Sri Dato' Prof./ Dato' Sri/ Lt Jen Dato'/Datuk Prof. /Dato' Prof./
/Dr./Tuan/Puan kepada perkara di atas.

2. Untuk makluman, Kementerian Pengajian Tinggi (KPT) telah membangunkan Kod Pendidikan Nasional (*National Education Code-2020*) (NEC-2020) berpandukan kepada *International Standard Classification of Education (ISCED-F) 2013* yang dikeluarkan oleh *United Nations Educational, Scientific and Cultural Organization (UNESCO)* namun disesuaikan dengan program dan latihan yang terdapat di negara ini. NEC-2020 ini akan menggantikan Kod Pendidikan Nasional sedia ada yang digunapakai dari tahun 2010 sehingga kini.

3. Pembangunan NEC-2020 ini telah dilaksanakan oleh KPT dengan kerjasama Agensi Kelayakan Malaysia (MQA), Badan Profesional, Majlis Dekan IPTA, universiti awam, wakil daripada Institusi Pendidikan Tinggi Swasta (IPTS) terpilih, Kementerian/agensi penyedia pendidikan dan latihan seperti Kementerian Pendidikan Malaysia (KPM), Kementerian Sumber Manusia (KSM), Kementerian Belia dan Sukan (KBS),

Kementerian Pembangunan Luar Bandar (KPLB), Kementerian Perumahan dan Kerajaan Tempatan (KPKT), Kementerian Dalam Negeri (KDN), Kementerian Kerja Raya (KKR), Kementerian Kewangan (MOF), Kementerian Pelancongan, Seni dan Budaya (MOTAC) dan Jabatan Kemajuan Islam Malaysia (JAKIM) melalui beberapa siri sesi libat urus yang dijalankan. NEC-2020 juga telah diluluskan di dalam mesyuarat *Inter-Agency Technical Committee (IATC)* yang dipengerusikan oleh Ketua Perangkawan Malaysia pada 26 Februari 2021. Seterusnya pada **7 Julai 2021** melalui **Memorandum Jemaah Menteri bernombor M331/2021**, KPT telah diberi mandat untuk mengeluarkan Kod Pendidikan Nasional yang dikenali sebagai ***National Education Code-2020 (NEC-2020)*** yang akan digunakan sebagai rujukan tunggal bagi kod bidang pendidikan dan latihan oleh semua institusi pendidikan dan latihan di Malaysia.

4. Selaras dengan mandat yang diberikan, **semua institusi pendidikan dan latihan, kementerian serta agensi yang menawarkan pendidikan dan latihan perlu mengguna pakai NEC-2020 berkuatkuasa 1 Januari 2022.** Semua institusi perlu melaksanakan pindaan di dalam pangkalan data sistem masing-masing bagi membolehkan pemetaan data atau pewujudan medan data baharu program pengajian untuk NEC-2020. Penerbitan dan jadual NEC-2020 juga dimuat naik di laman web KPT dan boleh dimuat turun sebagai rujukan dan panduan melalui pautan seperti berikut <https://www.mohe.gov.my/muat-turun/penerbitan-jurnal-dan-laporan>.

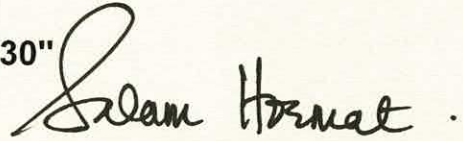
5. Untuk makluman juga, pihak KPT akan mengadakan **sesi jerayawara** kepada semua institusi pendidikan dan latihan, kementerian serta agensi yang menawarkan pendidikan dan latihan yang dijangka akan dilaksanakan pada bulan Oktober sehingga November tahun 2021 bagi memberi penerangan terperinci berhubung penggunaan NEC-2020.

6. Kerjasama dan perhatian YBhg. Tan Sri Dato' Prof./ Dato' Sri/Lt Jen Dato'/Datuk Prof. /Dato' Prof./Dr./Tuan/Puan berhubung penggunaan dan pemakaian NEC-2020 sebagai rujukan tunggal kod bidang pendidikan dan latihan Malaysia amatlah dihargai.

Sekian, terima kasih.

"WAWASAN KEMAKMURAN BERSAMA 2030"

"BERKHIDMAT UNTUK NEGARA"



Saya yang menjalankan amanah,



(DATUK SERI DR. MAZLAN BIN YUSOFF)

Ketua Setiausaha

Kementerian Pengajian Tinggi

s.k:

1. Timbalan Ketua Setiausaha (Dasar)
2. Ketua Pengarah Pendidikan Tinggi
3. Ketua Pengarah Jabatan Pendidikan Politeknik dan Kolej Komuniti
4. Ketua Pegawai Eksekutif, Agensi Kelayakan Malaysia (MQA)

NEC 2020

00 Generic programmes and qualifications

001 Basic programmes and qualifications

0011 Basic programmes and qualifications

Basic programmes and qualifications

Broad, generic (non-specialised) programmes and qualifications

General programmes and qualification with no specific subject emphasis

Programmes and qualification at primary level

002 Literacy and numeracy

0021 Literacy and numeracy

Basic remedial programmes for youth or adults

Literacy

Numeracy

003 Personal skills

0031 Personal skills

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

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

NEC 2010

0 General Programmes

01 Basic / broad general programmes

010 Basic / broad general programmes

Basic programmes

Broad general programmes

General programmes with no special subject emphasis

08 Literacy and numeracy

080 Literacy and numeracy

Basic remedial programmes adults

Functional Literacy

Numeracy

Literacy

Simple literacy

09 Personal skills

090 Personal skills

Argumentation technique

Assertiveness

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

Personal career planning

Personal development

Positive thinking

Presentation technique

Public speaking

Self-esteem skills

Self-confidence

Social competence

Teamwork

Time management

1 EDUCATION

14 Teacher Training and Education Sciences

140 Teacher training and education science (broad programmes)

0111 Education science

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

0112 Training for pre-school teachers

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

0113 Educator training without subject specialization

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

0114 Educator training with subject specialisation

Educator training - arts and crafts
Educator training - commercial subjects
Educator training - music
Educator training - nursing
Educator training - physical training
Educator training - second languages
Educator training - specific theoretical subjects, e.g. English, mathematics, history
Educator training - technical
Educator training - foreign/ international languages
Educator training – e-learning content development and delivery
Training of driving instructors
Training of trainers

0119 Education not elsewhere classified**018 Inter-disciplinary programmes and qualifications involving education**

Education technology
Practical pedagogical courses
Teacher education
Teacher training

141 Teaching and training

143+144+145+146

142 Education science

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

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 subject specialisation

Secondary training
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, physical training
Teacher training, vocational subjects
Technical teaching
Training of instructors in companies etc.
Training of trainers
Vocational teacher training

0188 Inter-disciplinary programmes and qualifications involving education

02 Arts and Humanities

021 Arts

0210 Arts not further defined

0211 Audio-visual techniques and media production

Animation
Bookbinding
Camera operating
Compositing (printing)
Computer game production
Computer type-setting
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

0212 Fashion, interior and industrial design

Costume design
Design of industrial products
Fashion design
Industrial design (artistry)
Interior design
Stage designing

2 Arts and Humanities

21 Arts

210 Arts (broad programmes)

Arts

Arts and craft

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
Disc jockey 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 techniques
Type-setting

214 Design

Costume design
Design
Design of industrial products (artistic)
Fashion design
Industrial design (artistic)
Interior architecture

Window dressing

0213 Fine arts

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

0214 Craft skills

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

0215 Music and performing arts

Acting and directing
Ballet

Interior decorating
Interior design
Stage designing
Three dimensional design
Window dressing

0213 Fine arts

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

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

212 Music and performing arts

Acting and directing
Choreography

Choreography
Circus
Composition (music)
Conducting (music)
Creative and performance art (including production)
Dance
Drama
History of film and theatre
History of music
Music
Music conducting
Musicology
Theatre/theatre sciences

0216 Film, television and screen studies

Cinema studies
Film studies
Film and video production
Moving image studies
Screen studies
Television studies

0219 Arts not elsewhere classified

022 Humanities (except languages)

0221 Religion and theology

Religious history
Study of sacred books
Study of different religions
Theology

0222 History and archaeology

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

0223 Philosophy and ethics

Ethics
Logic
Morals

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

0219 Arts not elsewhere classified

22 Humanities (broad programmes)

Humanities

221 Religion

Religion
Religious history
Religious studies
Study of different religions
Study of sacred books

225 History and archaeology

Archaeology
Comparative literature
Cultural history
History
History of literature 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

0224 Islamic studies

Al-Quran and hadith

Aqidah

Da'wah and usuluddin

Falaq syarie

Fiqh and usul fiqh

Fatwa

Islamic Civilisation

Islamic Philosophy

Islamic science

Qada' and siyasah syar'iyah

0229 Humanities (except languages) not elsewhere classified

023 Languages

0231 Language acquisition

Classical languages

English literature

Exogenous languages

Foreign languages

Interpretation

Second languages, for example English as a second language

Sign language

Translation

0232 Literature and linguistics

Applied comparative linguistics

Children's literature

Classical and medieval literature

Comparative literature

Creative writing

Discourse studies

First language

Indigenous languages (i.e Kadazan, Iban, Orang Asli)

Linguistics

Language and linguistics

Literature

"Mother tongue" languages (i.e Mandarin, Tamil)

Native first languages

Phonetics

World literature

0233 National Language

Malay language studies

Contemporary Malay language studies

Malay grammar

Philosophy

222 Languages

223+224

224 Other languages

Creative writing (other languages)

Interpretation (other languages)

Linguistics (other languages)

Literature (other languages)

Sign language (other languages)

Translation (other languages)

223 National Language

Creative writing (Malay language)

Interpretation (Malay language)

Linguistics (Malay language)

Literature (Malay language)

Sign language (Malay language)

0239 Languages not elsewhere classified

028 Inter-disciplinary programmes and qualifications involving arts and huma

0288 Inter-disciplinary programmes and qualifications involving arts and hum

029 Arts and humanities not elsewhere classified

0299 Arts and humanities not elsewhere classified

03 Social Sciences, Journalism and Information

031 Social and behavioural sciences

0310 Social and behavioural sciences not further defined

0311 Economics

Econometrics

Economic history

Economics

Political economics

0312 Political sciences and public policy

Civics

Environmental politics

Global governance

Human rights

International political economy

International relations

Migration studies

Peace and conflict studies

Political history

Political science

Public policy studies

Regionalism

Social movements

Urbanisation

0313 Psychology

Cognitive science

Psychoanalysis

Psychology

Psychotherapy

Educational psychology

Developmental psychology

Industrial psychology

Sports psychology

Neuropsychology

0314 Sociology and cultural studies

Translation (Malay language)

3 Social Sciences, Business and Law

31 Social and behavioural sciences

310 Social and behavioural sciences (broad programmes)

Behavioural sciences

Social Sciences

314 Economics

Econometrics

Economic history

Economics

International economics

Macro economics

National accounts

Political economy

313 Political science and civics

Civics

Human rights

International relations

Peace and conflict studies

Political history

Political science

Politics

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
Gender studies
Social anthropology
Sociology

0319 Social and behavioural sciences not elsewhere classified

032 Journalism, information and communication

0320 Journalism and information not further defined

0321 Journalism, reporting and communication

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

0322 Library, information and archival studies

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

0323 Media and Communications

Communications
Digital Media
Mass communication
Media Studies

Public Relations

0329 Journalism and information not elsewhere classified

038 Inter-disciplinary programmes and qualifications involving social science

0388 Inter-disciplinary programmes and qualifications involving social science

039 Social sciences, journalism and information not elsewhere classified

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

32 Journalism and information

321 Journalism and reporting

Broadcast journalism
Communication
Information
Journalism
Mass communication
News reporting
Publishing (dissemination of messages)

322 Library, information, archive

Archival sciences
Documentation
Information science
Information searching
Librarianship training
Library programmes
Museum documentation

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 Management

0410 Business and administration not further defined

0411 Accounting, auditing and taxation

Accounting

Auditing

Bookkeeping

Business taxation

Cost and management accountancy

Financial reporting

Insolvency

Tax accounting

Tax management

0412 Finance, banking and insurance

Bank teller studies

Banking and finance

Corporate finance

Financial management

Financial risk

Financial theory

Insurance

Investment analysis

Investments and securities

Pension insurance

Social insurance

Stock-broking

0413 Islamic Banking and Finance

Islamic banking and finance

Islamic commerce

Mu'amalat

Takaful

0414 Management and administration

Administration

Change management

Educational management

34 Business and Administration

340 Business and administration (broad programmes)

Business and administration

Business economics

Business studies

344 Accounting and taxation

Accounting

Auditing

Bookkeeping

Tax accounting

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

Pension insurance

Social insurance

Stock-broking

345 Management and administration

Administration

Business administration

Educational management

Employment management
Entrepreneurship
General business
Halal industry management
Health administration
Human resource management
International business
Logistic management
Management science
Management studies
Office management
Organizational theory and behaviour
Personnel administration
Personnel management
Project management
Strategic management
Supply chain management
Training management
Wholesale and retailing management

0415 Marketing and advertising

Advertising
Consumer behaviour
Franchising
Market research
Marketing
Merchandising
Digital business and marketing

Public relations

0416 Secretarial and office studies

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
Stenography
Switchboard operating

Employment management
Enterprise training
Human resource management
Local public administration
Logistic management
Management of education
Management science
Management skills
Office management
Organizational 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

342 Marketing and advertising

Advertising
Market research
Marketing
Merchandising
Public relations
Sales and marketing

346 Secretarial and office work

Administrative and secretarial services
Business correspondence
Clerical programmes
Court 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

0417 Work skills

Clients' needs
Company knowledge
Conflict management
Corporate social responsibility and business ethics
Customer service training
Industrial relations
'Introduction to work' courses
Managing diverse workforce
Organization at work
Quality assurance
Training and development
Work development

0419 Business and administration not elsewhere classified**042 Law****0421 Law**

Banking law
Commercial law
Criminal justice studies
Competition law
History of law
Indigenous law
International trade law
Jurisprudence
Labour law
Legal practice
Notary/Notary's practise
Paralegal studies
Syariah law
Taxation law

048 Inter-disciplinary programmes and qualifications involving business, ad**0488 Inter-disciplinary programmes and qualifications involving business, ad****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**

Stenography
Switchboard operating
Typing

347 Working life

Clients' needs
Company knowledge
Industrial relations
Introductory courses at work
Organisation at work
Quality assurance
Trade union courses (general)
Work development
Working life

38 Law**380 Law**

Commercial law
Criminal justice studies
History of law
Jurisprudence
Labour law
Law
Legal practice
Legal studies
Notary/Notary's practise
Paralegal studies

381 Syariah Law**4 Science, Mathematics and Computing****42 Life Science**

0511 Biology

Applied biology (inclusive of agrobiolgy, entomology, aquatic biology, biodiversity,

Bioinformatics

Biology

Botany (inclusive of plant science, applied plant science)

Cell biology

Entomology

Genetics

Microbiology

Molecular biology

Mycology

Virology

Zoology

0512 Biochemistry

Biological chemistry

Biophysics

Biotechnology

Cell technology

Forensic sciences

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**

Atmospheric science

Ecology

Environmental science (inclusive of environmental chemistry)

Environmental health

Environmental management

0522 Natural environments and wildlife

National parks and wildlife management

Nature conservation

Wildlife

0529 Environment not elsewhere classified**053 Physical sciences****0530 Physical sciences not further defined****0531 Chemistry****421 Biology and biochemistry**

Biochemistry

Biology

Biometrics

Biophysics

Botany

Entomology

Genetics

Life sciences

Limnology

Microbiology

Molecular biology

Ornithology

Parasitology

Pharmacology

Toxicology

Virology

Zoology

85 Environmental Protection**422 Environmental sciences**

Ecology

Environmental science

852 Natural environments and wildlife

Conservation and land management

National parks and wildlife management

Nature conservation

Wildlife management

Wildlife ranger studies

44 Physical science**440 Physical sciences (broad programmes)**

Physical programmes

442 Chemistry

Analytical chemistry
Applied Chemistry (inclusive of oleochemistry, industrial chemistry, chemical techn
Chemical biology
Computational chemistry
Organic chemistry
Inorganic chemistry
Physical chemistry
Theoretical chemistry

0532 Earth sciences

Applied geology
Applied geophysics
Climatology
Geoscience
Economic geology
Environmental geology
Engineering geology
Geochemistry
Geochronology
Geodesy
Geography (physical)
Geohazard
Geology
Geophysics
Geospatial technology
Hydrogeology
Marine geology
Marine science (inclusive of marine science & technology)
Meteorology
Mineralogy
Natural resource science
Oceanography
Petrology
Petroleum geology
Prospecting and exploration
Regional geology
Rock physics
Rock mechanics
Seismology
Stratigraphy and palaeontology
Structural geology and tectonics
Volcanology

0533 Physics

Applied Physics (inclusive of Industrial physics, Engineering physics, Solid state ph
Astronomy
Astrophysics
Instrumental science

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
Volcanology

441 Physics

Acoustics
Astronomy
Astrophysics
Nuclear physics

Nuclear Science (inclusive of Radiation and Nuclear Safety; Safety, Security and S:
Optics
Physics
Pure geophysics
Space science
Theoretical and computational physics

0539 Physical sciences not elsewhere classified

054 Mathematics and statistics

0540 Mathematics and statistics not further defined

0541 Mathematics

Algebra
Applied Mathematics
Financial mathematics
Geometry
Mathematics
Mathematical sciences

0542 Statistics

Statistics
Actuarial science
Applied statistics (inclusive of Data analytic, Decision science)

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

0588 Inter-disciplinary programmes and qualifications involving natural scien

Material science
Renewable energy

059 Natural sciences, mathematics and statistics not elsewhere classified

0599 Natural sciences, mathematics and statistics not elsewhere classified

06 Information and Communication Technologies

061 Information and Communication Technologies

0610 Information and Communication Technologies (ICTs) not further defined

0611 Information Technology and Information System

Cloud computing services (CCS)
Computer media applications/ Multimedia
Computer network installation and maintenance
Database administrator studies
Database design
e-commerce
Information assurance and security

Optics
Physics
Planetary sciences
Space science

46 Mathematics and statistics

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

Information science
Information technology/Information system policy and strategy
Information technology/Information system administration and management
Management information system (MIS)
Mobile computing
Multimedia creative
Network design and administration
Web design and web tools applications

0612 Software Engineering

Software construction technologies and methods
Software requirement engineering
Software architecture
Software development
Software modelling and analysis
Software quality assurance
Software process
Software testing
Software estimation and risk analysis
Software management

0613 Computer Science

Artificial intelligence

Bioinformatics

Computer forensic
Computer network
Computer programming
Computer systems analysis & design
Cyber security
Data science
Embedded systems
Gaming technology
Informatics
Internet of Things (IoT)
Machine learning
Operating systems
Programming languages development
User interface design

0614 Computer Use

Computer use
Use of software for data analytics/processing
Use of software for calculating/computation (spread sheets)
Use of software for desktop publishing
Use of software for word processing
Use of Internet
Use of social & business apps
Use of public search engine

0619 Information and Communication Technologies (ICTs) not elsewhere clas

481 Computer Science

Computer programming
Computer science
Computer systems analysis
Computer systems design
Informatics (computer science)
Network administration
Operating systems
Programming (computer)
Programming languages
Software localisation
Software testing

482 Computer Use

Computer software use
Computer use
Internet use programmes
Software for calculating (spread sheets)
Software for data processing
Software for desktop publishing
Software for word processing

068 Inter-disciplinary programmes and qualifications involving Information ar
0688 Inter-disciplinary programmes and qualifications involving Information a

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

Bio-process engineering

Chemical engineering

Chemical process engineering

Laboratory technology

Oil/gas/petrochemicals processing

Plant and machine operation (processing)

Process safety

Process technology

Oil and fat engineering

Palm oil processing

Plant operation

0712 Electricity and energy

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

0713 Electronics and automation

Broadcasting electronics

Communication systems

Communications equipment installation

5 Engineering, Manufacturing and Construction

52 Engineering and engineering trades

520 Engineering and engineering trades (broad programmes)

Engineering

Engineering industry programmes

Maintenance engineering

Quality control (technical)

524 Chemical and processes

Biochemical technologies

Biotechnology engineering

Chemical engineering

Chemical process engineering

Laboratory assistant programmes

Laboratory technology

Oil refining

Oil/gas/petrochemicals processing

Plant and machine operation (processing)

Process technology

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

Power line installation and maintenance

Refrigeration programmes

Solar energy

523 Electronics and automation

Automation

Broadcasting electronics

Communication systems

Communications equipment maintenance
Computer engineering
Computer repairing
Control engineering
Data processing technology
Digital technology
Electronics and automation
Electronic engineering
Electronic equipment servicing
Network technology
Robotics
Telecommunications technology

0714 Mechanics and metal trades

Bicycle production
Bicycle repair
Hydraulics
Locksmithing and safe repairing
Material engineering
Mechanical
Mechanical engineering
Mechanical trades
Metal casting and pattern making
Metal fitting, turning and machining
Metallurgical engineering
Non-Destructive Testing (NDT)
Precision mechanics
Sheet metal working
Steel production
Tool and die making
Welding

0715 Motor vehicles, ships and aircraft

Aerospace engineering
Aircraft engineering
Aircraft maintenance
Automotive electrical systems
Automotive engineering
Avionics
Battery technology for electronics vehicles's
Coachwork
Hybrid electrical vehicle and electric vehicle. services and maintenance
Maintenance technology
Marine engineering

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

521 Mechanics and metal work

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

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

Motorcycle engineering
Panel beating
Shipbuilding
Train repair and maintenance
Tribology
Vehicle building and repairing

0716 Civil engineering

Building engineering
Civil engineering
Dock and harbour engineering
Water supply and sewerage engineering
Water engineering and technology

0717 Environmental protection technology

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

0719 Engineering and engineering trades not elsewhere classified

Nanotechnology

072 Manufacturing and processing

0720 Manufacturing and processing not further defined

Motorbike mechanics
Motorcycle engineering
Naval engineering
Panel beating
Shipbuilding
Varnish/spray
Vehicle and motor engineering
Vehicle building
Vehicle diagnostics
Vehicle electricity
Vehicle mechanics
Vehicle painting
Vehicle repairing
Vehicle trimming

526 Civil engineering

Bridge construction
Building construction
Building engineering
Civil engineering
Constructing plant operation
Construction technology
Constructional engineering
Dock and harbour engineering
Excavation engineering
Irrigation and drainage (construction)
Quantity surveying
Road building
Scaffolding work
Structural engineering
Technical drawing
Water supply and sewerage engineering
Water technology and engineering

851 Environmental protection technology

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

54 Manufacturing and processing

540 Manufacturing and processing (broad programmes)

Manufacturing and processing

0721 Food processing

Baking
Butchery
Confectionery
Dairy foods
Food and drink processing
Food preservation
Food science and technology
Meat processing
Pastry cooking

0722 Materials (glass, paper, plastic and wood)

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

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 sciences
Wine storing/maturing

543 Materials (wood, paper, plastic, glass)

Boat building (non-motor)
Cabinet making
Cane willow and bamboo work
Carpentry (non 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

0723 Textiles (clothes, footwear and leather)

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

0724 Mining and extraction

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

0729 Manufacturing and processing not elsewhere classified**073 Architecture, Surveying and Town Planning****0730 Architecture, Surveying and Town Planning not further defined****0731 Architecture****Woodworking and carpentry****542 Textiles, clothes, footwear and 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 making
Leather goods production
Leather processing
Leather trades programmes
Pelt work
Saddlery
Sweing (industrial)
Shoe production
Shoe, boot and leather repairing
Shoemaking
Skins and leather production
Soft furnishings
Spinning
Tailoring
Textile technique
Textile trades programmes
Textile, clothing and footwear
Upholstery
Weaving (industrial)
Wool science

544 Mining and extraction

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

58 Architecture and Building**582 Architecture and town planning**

Architecture
Architecture technology
Building design
Landscape architecture
Structural architecture
Interior architecture
Urban design and planning

0732 Urban and Regional Planning

Community development
City planning
Rural planning
Town and country planning
Urban and regional planning

0733 Building and Construction

Bricklaying
Bridge construction
Building construction
Building Science
Building technology
Carpentry and joinery (building)
Construction equipment
Construction management
Constructional metalwork (building)
Floor and wall tiling
Floor covering
House building
Industrial abseiling (commercial)
Landscape Architecture Technology
Masonry and tile setting
Painting and wall covering
Plastering
Plumbing and pipefitting
Road building
Ventilation

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

Bricklaying
Brickwork and masonry
Building maintenance
Building renovation
Building technology
Carpentry and joinery (building)
Cement working
Constructional metalwork (building)
Demolition
Floor and wall tiling
Floor covering
Glazing
Insulation
Joining and carpentry
Mason and tile setting
Masonry
Painting and wall covering
Pipe fitting
Plastering (building)
Plumbing
Roof fixing
Sanitation (building)

0734 Surveying

Building surveying
Geomatic
Land surveying
Quantity surveying
Real estate valuation and management

074 Engineering technology

0741 Engineering Technology

Product testing
Product/ Industrial Design
Product development
Technical operation and quality control

078 Inter-disciplinary programmes and qualifications involving engineering, n

0788 Inter-disciplinary programmes and qualifications involving engineering, Mechatronic

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

Agronomy and crop science
Animal husbandry
Farm management
Food and non-food crops
Plantation crops
Plant breeding
Animal breeding
Agriculture and bioresources economy
Soil science
Soil and water management

Pest and disease management

Farm mechanisation
Agribusiness
Pasture management
Animal feed
Animal welfare

Stonemasonry
Technical drawings (buildings)
Ventilation

6 Agriculture and Veterinary

62 Agriculture, forestry and fishery

620 Agriculture, forestry and fishery (broad programmes)

Agriculture, forestry and fishery

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

0812 Horticulture

Fruit production
Vegetable production
Ornamental plants
Landscape horticulture
Turf management
Nursery management
Green house operation
Pest and disease management
Soil and growing media
Farm management

0819 Agriculture not elsewhere classified

082 Forestry

0821 Forestry

Silviculture
Forest economics
Forest management
Logging
Recreation and eco tourism
Forest products
Pest and disease management
Forest soil
Forest conservation and ecology

083 Fisheries

0831 Fisheries

Aquaculture system

Horse breeding
Horse husbandry
Irrigation techniques
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
Vineyard construction
Viticulture
Wine growing

622 Horticulture

Floriculture
Gardening
Green house operation
Greenkeeping
Horticultural techniques
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

Fishery science and technology
Hatchery
Genetic and breeding
Fish nutrition
Fish health management
Fish and Shellfish culture
Mariculture
Deep sea fishing

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, fo

0888 Inter-disciplinary programmes and qualifications involving agriculture, fo
Smart farming

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

Dental education
Dental hygienist
Dental laboratory technologist
Dental nursing
Dental public health
Dental science
Dental surgery assistant
Dental surgery
Dental technology
Endodontology
Forensic odontology
Odontology
Oral surgery
Oral and maxillofacial imaging
Oral and maxillofacial surgery
Oral pathology and oral medicine

Fish breeding
Fish farms
Fish husbandry
Fishery
Fishery science and technology
Mariculture
Shellfish breeding

64 Veterinary

640 Veterinary

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

7 Health and Welfare

72 Health

720 Health (broad programmes)

Health
Public health programmes

724 Dental studies

Clinical denstistry
Dental assisting
Dental hygiene
Dental laboratory technology
Dental nursing
Dental science
Dental surgery
Dental technology
Denstistry
Odontology
Orthodontics

Orthodontics
Paediatric dentistry
Periodontics
Prosthodontics
Restorative dentistry
Special care dentistry

0912 Medicine

Anaesthesiology
Emergency medicine
Family medicine
Genetics
Geriatric medicine
Internal medicine
Medical education
Neuroscience
Nuclear medicine
Obstetrics & gynaecology
Orthopaedics
Oncology
Ophthalmology
Otorhinolaryngology-head & neck
Physiology
Paediatrics
Psychiatry
Public health
Radiology
Reconstructive science
Rehabilitative medicine
Surgery
Transfusion medicine
Sport medicine

0913 Nursing, midwifery and medical assistance

Assistant nursing/Nursing aide
General nursing
Medical assistance

721 Medicine

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

722 Medical services

725+726+727

723 Nursing and caring

Assistant nursing
Basic nursing
Care of old people

Midwifery
Nursing Research
Nursing Management
Paramedics
Specialised nursing
Teaching in Nursing (Methodology/Education)

0914 Medical diagnostic and treatment technology

Ambulance technology
Hearing aid technology
Medical laboratory technology
Optical technology
Optical lens making
Optical prosthetics/lenses
Optometry
Prosthetic technology
Radiology technology
Radiotherapy
X-ray technology (medical)

0915 Therapy and rehabilitation

Audiology
Dietician programmes
Hearing therapy
Medical massage
Nutrition/Dietetics
Occupational therapy
Physiotherapy
Rehabilitation
Speech therapy

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

725 Medical diagnostic and treatment technology

Ambulance service
Ambulance technology
Auditory prosthetics
Emergency para-medical technology
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
Dietetics
Dietician programmes
Massage (medical)
Mental health services
Nutrition and dietetics
Nutrition
Occupational therapy
Optometry
Osteopathy
Physiotherapy
Reflexology
Rehabilitation
Speech pathology and therapy

0916 Pharmacy

Pharmacy
Clinical pharmacy
(clinical pharmacokinetics, pharmacogenomics, pharmacometrics)
pharmaceutical chemistry
(including medicinal chemistry, pharmaceutical analysis, pharmacognosy, herbal sc
Pharmaceutical sciences
Pharmaceutics
(including dispensing pharmacy, pharmaceutical technology, industrial pharmacy, c
Pharmacy education
Pharmacy practice
(including social and administrative pharmacy, community pharmacy, public health |

0917 Traditional and complementary medicine and therapy

Chiropractic
Homeopathy
Islamic Medical Practice
Osteopathy
Traditional Chinese Medicine
(including acupuncture, oriental medicine, herbology)
Traditional Indian Medicine
(including ayurvedic medicine)
Traditional Malay Medicine
(including Malay massage)

0919 Health not elsewhere classified**092 Welfare****0920 Welfare not further defined****0921 Care of elderly and of disabled adults**

Care of the elderly
Non-medical care of disabled adults
Personal care of adults

0922 Child care and youth services

Child care
Child recreation programmes
Day care
Non-medical care of disabled children
Youth services
Youth worker programmes

0923 Social work and counselling

Alcohol and drug abuse counselling
Alcohol, tobacco, drugs (knowledge about)
Crisis support
Family and marriage counselling
Mobbing and maltreatment (knowledge about)

Vocational rehabilitation

727 Pharmacy

Dispensing pharmacy
Pharmacy

76 Social Services**761 Child care and youth services**

Child care
Child 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

Parole officer training
Probation officer training
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 we

0988 Inter-disciplinary programmes and qualifications involving health and w

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 and home service workers
Cleaning
Domestic science
Funeral services and mortuary science
Home economics
Laundry services
Sewing

1012 Hair and beauty services

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

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

8 Services

81 Personal services

810 Personal services (broad programmes)

Personal services

814 Domestic services

Caretaking, housekeeping, homeservice
Chimney sweeping
Cleaning
Consumer economics
Cooking (home)
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)

1013 Hotel, restaurants and catering

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

1014 Sports

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

1015 Travel, tourism and leisure

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

1019 Personal services not elsewhere classified**102 Hygiene and occupational health services****1020 Hygiene and occupational health services not further defined****1021 Community sanitation**

Hygiene, community

Pedicure
Salon services (beauty therapy)
Wig making

811 Hotel, restaurants and catering

Bar service
Bartending/mixology
Catering
Cooking (restaurant and hotel-type)
Culinary arts
Food and hospitality services
Food serving
Hospitality services
Hotel and restaurant programmes
Hotel receptionist training
Hotel services
Hotel/motel and restaurant services
Waiting and bar service

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
Umpiring and other sports officials training

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

85 Environmental Protection**853 Community sanitation services**

Garbage disposal

Hygienic standards
Refuse collection
Refuse/sewage disposal
Street cleaning
Water supply (service)
Waste management

1022 Occupational health and safety

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

1029 Hygiene and occupational health services not elsewhere classified

103 Security services

1030 Security services not further defined

1031 Military and defence

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

1032 Protection of persons and property

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

1039 Security services not elsewhere classified

104 Transport services

Hygiene, community
Hygienic standards
Refuse collection
Refuse/sewage disposal
Sanitation, community
Street cleaning
Water supply (service)

862 Occupational health and safety

Ergonomics (occupational health and safety)
Health and safety in the workplace
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

86 Security services

860 Security services (broad programmes)

Security services

863 Military and defence

Army training
Defence studies
Military science
National security
War theory

861 Protection of persons and property

Civil security
Customs programmes
Diving (professionals)
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

84 Transport services

1041 Transport services

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

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

840 Transport services

Air crew programmes (flying and navigation)
Air traffic control
Air craft 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 programmes
Ship operation
Stewardess/steward training (air)
Transport programmes
Truck driving

NEC 2020

00 Generic programmes and qualifications

001 Basic programmes and qualifications

0011 Basic programmes and qualifications

002 Literacy and numeracy

0021 Literacy and numeracy

003 Personal skills

0031 Personal skills

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

0112 Training for pre-school teachers

0113 Educator training without subject specialization

0114 Educator training with subject specialisation

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

021 Arts

0210 Arts not further defined

0211 Audio-visual techniques and media production

0212 Fashion, interior and industrial design

0213 Fine arts

0214 Craft skills

0215 Music and performing arts

0216 Film, Television and Screen Studies

0219 Arts not elsewhere classified

022 Humanities (except languages)

0221 Religion and theology

0222 History and archaeology

0223 Philosophy and ethics

0224 Islamic studies

0229 Humanities (except languages) not elsewhere classified

023 Languages

0231 Language acquisition

0232 Literature and linguistics

0233 National Language

0239 Languages not elsewhere classified

NEC 2010

0 General Programmes

01 Basic / broad general programmes

010 Basic / broad general programmes

08 Literacy and numeracy

080 Literacy and numeracy

09 Personal skills

090 Personal skills

1 EDUCATION

14 Teacher Training and Education Sciences

140 Teacher training and education science (broad programmes)

141 Teaching and training = 143+144+145+146

142 Education science

143 Training for pre-school teachers

144 Training for teachers at basic levels

145 Training for teachers with subject specialisation

146 Training for teachers of vocational subjects

2 Arts and Humanities

21 Arts

210 Arts (broad programmes)

213 Audio-visual techniques and media production

214 Design

0213 Fine arts

215 Craft skills

212 Music and performing arts

0219 Arts not elsewhere classified

22 Humanities (broad programmes)

221 Religion

225 History and archaeology

226 Philosophy and ethics

222 Languages = 223+224

224 Other languages

223 National Language

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**031 Social and behavioural sciences**

0310 Social and behavioural sciences not further defined

0311 Economics

0312 Political sciences and public policy

0313 Psychology

0314 Sociology and cultural studies

0319 Social and behavioural sciences not elsewhere classified

032 Journalism, information and communication

0320 Journalism and information not further defined

0321 Journalism, reporting and communication

0322 Library, information and archival studies

0323 Media and Communications

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 Management

0410 Business and administration not further defined

0411 Accounting, auditing and taxation

0412 Finance, banking and insurance

0413 Islamic Banking and Finance

0414 Management and administration

0415 Marketing and advertising

0416 Secretarial and office studies

0417 Work skills

0419 Business and administration not elsewhere classified

042 Law

0421 Law

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**3 Social Sciences, Business and Law****31 Social and behavioural sciences**

310 Social and behavioural sciences (broad programmes)

314 Economics

313 Political science and civics

311 Psychology

312 Sociology and cultural studies

32 Journalism and information

321 Journalism and reporting

322 Library, information, archive

34 Business and Administration

340 Business and administration (broad programmes)

344 Accounting and taxation

343 Finance, banking, insurance

345 Management and administration

342 Marketing and advertising

346 Secretarial and office work

347 Working life

38 Law

380 Law

381 Syariah Law

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

0512 Biochemistry

0519 Biological and related sciences not elsewhere classified

052 Environment

0520 Environment not further defined

0521 Environmental sciences

0522 Natural environments and wildlife

0529 Environment not elsewhere classified

053 Physical sciences

0530 Physical sciences not further defined

0531 Chemistry

0532 Earth sciences

0533 Physics

0539 Physical sciences not elsewhere classified

054 Mathematics and statistics

0540 Mathematics and statistics not further defined

0541 Mathematics

0542 Statistics

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

061 Information and Communication Technologies

0610 Information and Communication Technologies (ICTs) not further defined

0611 Information Technology and Information System

0612 Software Engineering

0613 Computer Science

0614 Computer Use

0619 Information and Communication Technologies (ICTs) not elsewhere classified

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

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

4 Science, Mathematics and Computing

42 Life Science

421 Biology and biochemistry

85 Environmental Protection

422 Environmental sciences

852 Natural environments and wildlife

44 Physical science

440 Physical sciences (broad programmes)

442 Chemistry

443 Earth science

441 Physics

46 Mathematics and statistics

461 Mathematics

462 Statistics

481 Computer Science

482 Computer Use

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

0712 Electricity and energy

0713 Electronics and automation

0714 Mechanics and metal trades

0715 Motor vehicles, ships and aircraft

0716 Civil engineering

0717 Environmental protection technology

0719 Engineering and engineering trades not elsewhere classified

072 Manufacturing and processing

0720 Manufacturing and processing not further defined

0721 Food processing

0722 Materials (glass, paper, plastic and wood)

0723 Textiles (clothes, footwear and leather)

0724 Mining and extraction

0729 Manufacturing and processing not elsewhere classified

073 Architecture, Surveying and Town Planning

0730 Architecture, Surveying and Town Planning not further defined

0731 Architecture

0732 Urban and Regional Planning

0733 Building and Construction

0734 Surveying

074 Engineering technology

0741 Engineering Technology

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

0812 Horticulture

0819 Agriculture not elsewhere classified

082 Forestry

0821 Forestry

083 Fisheries

0831 Fisheries

084 Veterinary**5 Engineering, Manufacturing and Construction****52 Engineering and engineering trades**

520 Engineering and engineering trades (broad programmes)

524 Chemical and processes

522 Electricity and energy

523 Electronics and automation

521 Mechanics and metal work

525 Motor vehicles, ships and aircraft

526 Civil engineering

851 Environmental protection technology

54 Manufacturing and processing

540 Manufacturing and processing (broad programmes)

541 Food processing

543 Materials (wood, paper, plastic, glass)

542 Textiles, clothes, footwear and leather

544 Mining and extraction

58 Architecture and Building

582 Architecture and town planning

582 Building

6 Agriculture and Veterinary**62 Agriculture, forestry and fishery**

620 Agriculture, forestry and fishery (broad programmes)

621 Crop and livestock production

622 Horticulture

623 Forestry

624 Fisheries

64 Veterinary

0841 Veterinary

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

0912 Medicine

0913 Nursing, midwifery and medical assistance

0914 Medical diagnostic and treatment technology

0915 Therapy and rehabilitation

0916 Pharmacy

0917 Traditional and complementary medicine and therapy

0919 Health not elsewhere classified

092 Welfare

0920 Welfare not further defined

0921 Care of elderly and of disabled adults

0922 Child care and youth services

0923 Social work and counselling

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

1012 Hair and beauty services

1013 Hotel, restaurants and catering

1014 Sports

1015 Travel, tourism and leisure

1019 Personal services not elsewhere classified

102 Hygiene and occupational health services

1020 Hygiene and occupational health services not further defined

1021 Community sanitation

1022 Occupational health and safety

1029 Hygiene and occupational health services not elsewhere classified

640 Veterinary

7 Health and Welfare

72 Health

720 Health (broad programmes)

724 Dental studies

721 Medicine

722 Medical services = 725+726+727

723 Nursing and caring

725 Medical diagnostic and treatment technology

726 Therapy and rehabilitation

727 Pharmacy

76 Social Services

761 Child care and youth services

762 Social work and counselling

8 Services

81 Personal services

810 Personal services (broad programmes)

814 Domestic services

815 Hair and beauty services

811 Hotel, restaurants and catering

813 Sports

812 Travel, tourism and leisure

85 Environmental Protection

853 Community sanitation services

862 Occupational health and safety

103 Security services

- 1030 Security services not further defined
- 1031 Military and defence
- 1032 Protection of persons and property
- 1039 Security services not elsewhere classified

104 Transport services

- 1041 Transport services

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****86 Security services**

- 860 Security services (broad programmes)
- 863 Military and defence
- 861 Protection of persons and property

84 Transport services

- 840 Transport services