

Information Paper

Australian Standard Classification of Education (ASCED)

2000

New
Issue

Australian Standard Classification of Education (ASCED)

2000

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AUSTRALIAN BUREAU OF STATISTICS

EMBARGO: 11.30 AM (CANBERRA TIME) FRI 15 DEC 2000

ABS Catalogue no. 1271.0
ISBN 0 642 47717 5

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INTRODUCTION

OVERVIEW

This publication provides an overview of the new Australian Standard Classification of Education (ASCED), details of its structures, and summary information about the relationship between ASCED and other education classifications. It also discusses implementation of ASCED in ABS collections and in other statistical and administrative data systems.

ASCED comprises two component classifications: Level of Education and Field of Education. It is designed as a replacement for the Australian Bureau of Statistics Classification of Qualifications (ABSCQ) and for a range of classifications of level of education, field of study, and discipline groups currently used for data from the various sectors of the Australian education system.

More detailed information about the classification will be provided in the main ASCED publication: *Australian Standard Classification of Education* (ASCED) (Cat. no. 1272.0), scheduled for release in July 2001. This publication will include details on the conceptual basis of ASCED, correspondence tables with other related classifications and definitions of all categories in the classification.

DEVELOPMENT OF THE AUSTRALIAN STANDARD CLASSIFICATION OF EDUCATION (ASCED)

The development of ASCED resulted from a planned review of the ABSCQ which was developed for use in the 1991 Census of Population and Housing and then progressively introduced in other ABS collections. The ABSCQ is a statistical classification designed primarily for the collection, presentation and analysis of data on post-school qualifications.

The ABSCQ was intended to be used for approximately ten years to allow for comprehensive time series data. By the late nineties it had become increasingly clear that developments in education and training, particularly in the vocational education and training sector, and the introduction of the Australian Qualifications Framework by the Ministerial Council on Education, Employment, Training and Youth Affairs, had reduced the usefulness of the ABSCQ as a tool to assist in the analysis of education and training related statistics. Therefore, in late 1997 the Australian Bureau of Statistics (ABS) consulted with a range of key users of statistics in this field to establish requirements for a review of the ABSCQ.

A clear outcome of this consultation was that there was a need, recognised by all major stakeholders, for a comprehensive national framework for the classification of data on different aspects of educational activity such as enrolments, resources used and qualifications. This would address the significant problems of non-comparability currently encountered by users of data collected through the various administrative and statistical systems. In line with its national statistical coordination role and its responsibilities in the setting of statistical standards, the ABS undertook to develop a new national standard classification, which would be significantly broader in scope than that of the ABSCQ.

DEVELOPMENT OF THE
AUSTRALIAN STANDARD
CLASSIFICATION OF
EDUCATION (ASCED)

continued

To facilitate the development of the new national standard, the ABS established a steering group of representatives of key agencies to assist in the review and to promote the implementation of the new classification in their own agencies. This steering group comprised representatives from the following organisations:

Australian National Training Authority
Australian Qualifications Framework Advisory Board
Australian Vice-Chancellors' Committee
Centre for the Economics of Education and Training
Commonwealth Department of Education, Training and Youth Affairs
Ministerial Council on Education, Employment, Training and Youth Affairs
National Centre for Vocational Education Research
Australian Curriculum, Assessment and Certification Authorities

The participation of these key national agencies in the development has resulted in their commitment to adopting ASCED in their own data collection activities. The development of the classification also involved extensive consultation with relevant State and Territory agencies, educational institutions and other stakeholders in data on education in Australia. This consultation included a series of information sessions and the circulation of successive drafts for comment. This approach has ensured that the classification meets a wide range of user needs and reflects the range of education and training currently offered in Australia.

SCOPE OF ASCED

ASCED has been developed to classify educational activity by the level and field of the activity. It also provides the flexibility to report statistics on different aspects of education such as enrolments, resources (human and financial) used, or the educational attainment of the population.

Unlike the ABSCQ, where the main focus is on a qualification as a unit of measurement, ASCED has been designed to be applied to a number of education related concepts, such as a 'qualification', a 'unit of study', a 'module' or a 'course'. The classification includes all pre-primary, primary and secondary education as well as all formal post secondary education and training. It is important to note that, since ASCED has been designed to accommodate the measurement of many aspects of educational activity, it is broader in scope than is necessary for some collections.

THE STRUCTURE OF ASCED

ASCED has been designed to classify education according to the two main aspects which are of primary interest to users of statistics on educational provision and attainment:

- level of education; and
- field of education.

Level of Education

The concept of Level of Education used in ASCED is broadly consistent with the concept used in the International Standard Classification of Education 1997 (ISCED 1997) which states that 'the notion of "levels" of education is taken to be broadly related to gradations of learning experiences...' and that 'the level is related to the degree of complexity

of the content of the programme' (UNESCO 1997, *ISCED 1997*, p.10). When this notion is considered in the context of Australian education, a number of issues arise. In particular, there is a strong need for the Level of Education classification to be consistent with the Australian Qualifications Framework (AQF), so that all AQF qualifications can be associated with an ASCED category.

A classification with the broad statistical purposes of ASCED also needs to allow for the identification of educational activities and, in some cases, qualifications which are not included in the AQF. In addition there is a need, for some statistical purposes, for the provision of information at a lower level of detail than that provided for in the AQF.

For the purposes of ASCED, Level of Education can be considered as a function of the quality and quantity of learning associated with an educational activity and can, in theory, be assessed in terms of the following criteria:

- the theoretical and vocational orientation of the educational activity;
- the minimum entry requirements for the educational activity (i.e. the minimum amount of prior education needed to undertake the educational activity at that level); and
- the course length (or notional duration of the educational activity).

It follows from the above that the relationship between categories in the Level of Education classification is essentially ordinal. In other words, educational activities at Broad Level 1 are at a higher level than educational activities at Broad Level 2 and so forth. However, when this idea is applied to the reality of education and training in Australia it is not always possible to assert that a definitive ordinal relationship exists. The AQF guidelines indicate that 'There are no standardised rankings or equivalences between different qualifications offered in different sectors...'.

This is particularly evident in the case of the relationship between Senior Secondary Education (Broad Level 6) and AQF Certificates I–IV (Broad Level 5). In this instance the level of education associated with the award of the Senior Secondary Certificate of Education may range from satisfying entry requirements for admission to a university degree course down to the completion of units in basic literacy, numeracy and life skills. Educational activity in this category may therefore be of an equal, higher or lower level than in Broad Level 5. Following consultation with major users it was decided that it was more appropriate to group all secondary education together and all certificates together as this would be more useful in the analysis of educational data in support of policy development and evaluation. An ordinal relationship between the categories in Broad Level 5, AQF Certificates I–IV and the categories in Broad Level 6, Senior Secondary Education is not therefore implied.

The Level of Education classification has a three-tiered hierarchical structure comprising 9 broad levels, 15 narrow levels and 64 detailed levels. The following demonstrates the hierarchical structure:

Hierarchical level	Code	Level of Education
Broad level	5	Certificate Level
Narrow level	51	Certificate III & IV Level
Detailed level	511	Certificate IV
	512	Statements of Attainment at Certificate IV Level
	513	Bridging and Enabling Courses at Certificate IV Level
	514	Certificate III
	515	Statements of Attainment at Certificate III Level
	516	Bridging and Enabling courses at Certificate III Level

The broad level is denoted by a 1-digit code, the narrow level by a 2-digit code and the detailed level by a 3-digit code. The detailed levels are subdivisions of the narrow levels which are in turn subdivisions of the broad levels.

Field of Education Field of Education refers to the subject matter included in an educational activity. Fields of education are related to each other through the number of subjects they have in common, through the broad purposes for which the study is undertaken, and through the theoretical knowledge which underpins the subject matter. In other words, two educational activities have the same field of education if the main subjects studied are the same. In practice, educational activities are classified in the same detailed field of education category if the main subjects studied are sufficiently similar for the purposes of the classification.

Fields of education as described above are classified into progressively broader groups according to the following criteria:

- theoretical content—this refers to the ideas and concepts involved in an educational activity, and can be defined as that part of the subject matter which links facts together to explain other facts and predict outcomes;
- purpose of learning—this refers to the ultimate aim of the competencies, skills and knowledge gained from an educational activity, that is, the application of the body of theory learnt;
- objects of interest—these are the things or phenomena about which knowledge is acquired;
- methods and techniques—these are the specific procedures for applying knowledge; and
- tools and equipment.

When the classification is applied to courses of study, it should be noted that in many courses the range of subject matter extends beyond the main field of education and often incorporates units of study from more than one of the broad fields presented in the classification. For example, a course leading to a qualification in Landscape Architecture may also include units of study related to design, botany and management.

Field of education *continued*

These units of study would be classified according to the theoretical content. For example, the unit of study ‘botany’ would be classified to the field ‘010903 Botany’, however the course would be classified to ‘040105 Landscape Architecture’.

The Field of Education classification has a three-tiered hierarchical structure—12 broad fields, 71 narrow fields and 356 detailed fields. The following illustrates the hierarchical structure of the Field of Education classification:

Hierarchical level	Code	Field of Education
Broad field	03	Engineering and Related Technologies
Narrow field	0305	Automotive Engineering and Technology
Detailed field	030503	Vehicle Mechanics

Broad fields are denoted by a 2-digit code, narrow fields (subdivisions of broad fields) are denoted by a 4-digit code and detailed fields by a 6-digit code. The detailed fields are the finest level of the classification and are subdivisions of the narrow fields.

ASSIGNING ASCED CODES
TO EDUCATION DATA

Many of the applications of ASCED require a tool for assigning information about a particular level and field of education to the appropriate category in the classification in an accurate, consistent and efficient manner. Accordingly, a well-defined structured computer assisted coding package which enables descriptive data on level and field of education to be coded to the classification has been developed and will be released on the ASCED CD-ROM.

IMPLEMENTATION OF ASCED

ASCED will be introduced into all relevant ABS statistical collections from 2001. The following provides an overview of its implementation in the main ABS collections relating to education and training.

*Transition from Education to
Work*

All education and training information reported in this survey will be classified to ASCED. Level and field of education will be coded to both ASCED and the ABSCQ which will enable time series data to be linked to the new classification. Standard output data will be published for broad levels of education and broad fields of education.

*Survey of Education,
Training and Information
Technology*

All education and training information reported in this survey will also be classified to ASCED and coded to both ASCED and the ABSCQ.

*2001 Census of Population
and Housing*

Educational attainment data (schooling and non-school qualifications) collected in the Census will be classified to ASCED. Level and field of education will be coded to both ASCED and the ABSCQ. An electronic file linking ASCED and the ABSCQ will be available after processing of the 2001 Census has been completed.

*Implementation of ASCED by
Agencies other than the
ABS*

ASCED will be introduced into the higher education, and the vocational education and training sectors, from 2001 onwards. Data on level of education and field of education will be classified to ASCED.

ASCED AND EXISTING CLASSIFICATIONS

ASCED will replace various other classifications currently being used in both the higher education and the vocational education and training sectors. For example the Field of Study Classification of Higher Education Courses (FOSCHEC) and the Discipline Group classification used in higher education statistics collections will be replaced with ASCED. Likewise the Field of Study Classification of Tertiary Education Courses (FOSCTEC) and the Discipline Group classification used in the vocational education and training sector will also be replaced by ASCED. Correspondence tables between ASCED and these classifications will be produced.

International Standard Classification of Education 1997

The International Standard Classification of Education (ISCED) 1997 has been designed for assembling, compiling and presenting education statistics both within countries and internationally. The classification covers all education, from pre-primary through to continuing education, including lifelong education.

The concepts and definitions of ISCED have been designed to be 'universally valid and invariant to the particular circumstances of a national education system.' (UNESCO 1997, *ISCED 1997*, p.21). In the process of developing ASCED it has always been the intention, as far as possible, to create a classification which could be aligned to ISCED 1997. A correspondence table between ASCED and ISCED 1997 will be included in the main ASCED publication.

MAINTENANCE OF THE CLASSIFICATION

It is normal practice for some major classifications (for example the Australian Standard Classification of Occupations), to be reviewed only once every ten years to allow for a long time series of data. However, it is considered that a more frequent and minor update of ASCED may be more appropriate and would meet the needs of users of education statistics in a more timely manner. The ABS will seek the views of key stakeholders on this matter.

SUMMARY OF ASCED PRODUCTS

Australian Standard Classification of Education (ASCED)

This publication (Cat. no. 1272.0) is intended for users who wish to understand the detailed structure and content of the classification as an aid in interpreting ABS statistics and for comparing administrative data with ABS statistics on education and training.

The conceptual basis of ASCED will be discussed together with a description of the structures for Level and Field of Education. The publication will provide the detailed hierarchical structures for Level and Field of Education and a summary of the classification criteria and coding conventions. Definitions for all categories in the Level of Education and the Field of Education classifications will also be included. Correspondence tables between ASCED and the ABSCQ, ISCED 1997 and other classifications for field of study and discipline groups will be included.

The expected release date of this publication is 31 July 2001.

Australian Standard
Classification of Education
(ASCED) and Coder

The text of the ASCED publication (Cat. no. 1272.0.30.002) will also be available on CD-ROM together with a Windows-based coding facility to enable users to assign ASCED codes to data on level and field of education in an accurate and consistent manner.

The expected release date of this product is 31 July 2001.

ABS web site

The main ASCED publication will be made available on the web site <URL: <http://www.abs.gov.au>> as a downloadable Adobe Acrobat (.pdf) file. The classification will also be accessible on the ABS web site via the Statistical Concepts Library and the National Centre for Education and Training Statistics theme page.

AUSTRALIAN STANDARD CLASSIFICATION OF EDUCATION—LEVEL OF EDUCATION

BROAD LEVELS

- | | |
|----------|--|
| 1 | POSTGRADUATE DEGREE LEVEL |
| 2 | GRADUATE DIPLOMA AND GRADUATE CERTIFICATE LEVEL |
| 3 | BACHELOR DEGREE LEVEL |
| 4 | ADVANCED DIPLOMA AND DIPLOMA LEVEL |
| 5 | CERTIFICATE LEVEL |
| 6 | SECONDARY EDUCATION |
| 7 | PRIMARY EDUCATION |
| 8 | PRE-PRIMARY EDUCATION |
| 9 | OTHER EDUCATION |

BROAD AND NARROW LEVELS

1 POSTGRADUATE DEGREE LEVEL

- 11 Doctoral Degree Level
- 12 Master Degree Level

2 GRADUATE DIPLOMA AND GRADUATE CERTIFICATE LEVEL

- 21 Graduate Diploma Level
- 22 Graduate Certificate Level

3 BACHELOR DEGREE LEVEL

- 31 Bachelor Degree Level

4 ADVANCED DIPLOMA AND DIPLOMA LEVEL

- 41 Advanced Diploma and Associate Degree Level
- 42 Diploma Level

5 CERTIFICATE LEVEL

- 51 Certificate III & IV Level
- 52 Certificate I & II Level

6 SECONDARY EDUCATION

- 61 Senior Secondary Education
- 62 Junior Secondary Education

7 PRIMARY EDUCATION

- 71 Primary Education

8 PRE-PRIMARY EDUCATION

- 81 Pre-primary Education

9 OTHER EDUCATION

- 91 Non-award Courses
- 99 Miscellaneous Education

BROAD, NARROW AND DETAILED LEVELS

1 POSTGRADUATE DEGREE LEVEL

11 Doctoral Degree Level

- 111 Higher Doctorate
- 112 Doctorate by Research
- 113 Doctorate by Coursework
- 114 Professional Specialist Qualification at Doctoral Level
- 115 Statement of Attainment at Doctoral Level
- 116 Bridging and Enabling Course at Doctoral Level

12 Master Degree Level

- 121 Master Degree by Research
- 122 Master Degree by Coursework
- 123 Professional Specialist Qualification at Master Level
- 124 Statement of Attainment at Master Level
- 125 Bridging and Enabling Course at Master Level

2 GRADUATE DIPLOMA AND GRADUATE CERTIFICATE LEVEL

21 Graduate Diploma Level

- 211 Graduate Diploma
- 212 Graduate Qualifying or Preliminary
- 213 Professional Specialist Qualification at Graduate Diploma Level
- 214 Statement of Attainment at Graduate Diploma Level
- 215 Bridging and Enabling Course at Graduate Diploma Level

22 Graduate Certificate Level

- 221 Graduate Certificate
- 222 Professional Specialist Qualification at Graduate Certificate Level
- 223 Statement of Attainment at Graduate Certificate Level
- 224 Bridging and Enabling Course at Graduate Certificate Level

3 BACHELOR DEGREE LEVEL

31 Bachelor Degree Level

- 311 Bachelor (Honours) Degree
- 312 Bachelor (Pass) Degree
- 313 Statement of Attainment at Bachelor Degree Level
- 314 Bridging and Enabling Course at Bachelor Level

4 ADVANCED DIPLOMA AND DIPLOMA LEVEL**41 Advanced Diploma and Associate Degree Level**

- 411 Advanced Diploma
- 412 Statement of Attainment at Advanced Diploma Level
- 413 Associate Degree
- 414 Statement of Attainment at Associate Degree Level
- 415 Bridging and Enabling Course at Advanced Diploma and Associate Degree Level

42 Diploma Level

- 421 Diploma
- 422 Statement of Attainment at Diploma Level
- 423 Bridging and Enabling Course at Diploma Level

5 CERTIFICATE LEVEL**51 Certificate III & IV Level**

- 511 Certificate IV
- 512 Statements of Attainment at Certificate IV Level
- 513 Bridging and Enabling Courses at Certificate IV Level
- 514 Certificate III
- 515 Statements of Attainment at Certificate III Level
- 516 Bridging and Enabling Courses at Certificate III Level

52 Certificate I & II Level

- 521 Certificate II
- 522 Statements of Attainment at Certificate II Level
- 523 Bridging and Enabling Courses at Certificate II Level
- 524 Certificate I
- 525 Statements of Attainment at Certificate I Level

6 SECONDARY EDUCATION**61 Senior Secondary Education**

- 611 Year 12
- 612 Bridging and Enabling Courses at Senior Secondary Level
- 613 Year 11

62 Junior Secondary Education

- 621 Year 10
- 622 Year 9
- 623 Year 8
- 624 Year 7 (NSW, Vic., Tas., ACT)

7 PRIMARY EDUCATION**71 Primary Education**

- 711 Year 7 (QLD, SA, WA, NT)
- 712 Year 6
- 713 Year 5
- 714 Year 4
- 715 Year 3
- 716 Year 2
- 717 Year 1
- 718 Pre-Year 1

8 PRE-PRIMARY EDUCATION**81 Pre-primary Education**

- 811 Pre-primary Education

9 OTHER EDUCATION**91 Non-award Courses**

- 911 Non-award Courses in Higher Education
- 912 Other Non-award Courses

99 Miscellaneous Education

- 991 Statement of Attainment not Identifiable by Level
- 992 Bridging and Enabling Courses not Identifiable by Level
- 999 Education not elsewhere classified

AUSTRALIAN STANDARD CLASSIFICATION OF EDUCATION—FIELD OF EDUCATION

BROAD FIELDS

- | | |
|----|--|
| 01 | NATURAL AND PHYSICAL SCIENCES |
| 02 | INFORMATION TECHNOLOGY |
| 03 | ENGINEERING AND RELATED TECHNOLOGIES |
| 04 | ARCHITECTURE AND BUILDING |
| 05 | AGRICULTURE, ENVIRONMENTAL AND RELATED STUDIES |
| 06 | HEALTH |
| 07 | EDUCATION |
| 08 | MANAGEMENT AND COMMERCE |
| 09 | SOCIETY AND CULTURE |
| 10 | CREATIVE ARTS |
| 11 | FOOD, HOSPITALITY AND PERSONAL SERVICES |
| 12 | MIXED FIELD PROGRAMMES |

BROAD AND NARROW FIELDS

01 NATURAL AND PHYSICAL SCIENCES

- 0101 Mathematical Sciences
- 0103 Physics and Astronomy
- 0105 Chemical Sciences
- 0107 Earth Sciences
- 0109 Biological Sciences
- 0199 Other Natural and Physical Sciences

02 INFORMATION TECHNOLOGY

- 0201 Computer Science
- 0203 Information Systems
- 0299 Other Information Technology

03 ENGINEERING AND RELATED TECHNOLOGIES

- 0301 Manufacturing Engineering and Technology
- 0303 Process and Resources Engineering
- 0305 Automotive Engineering and Technology
- 0307 Mechanical and Industrial Engineering and Technology
- 0309 Civil Engineering
- 0311 Geomatic Engineering
- 0313 Electrical and Electronic Engineering and Technology
- 0315 Aerospace Engineering and Technology
- 0317 Maritime Engineering and Technology
- 0399 Other Engineering and Related Technologies

04 ARCHITECTURE AND BUILDING

- 0401 Architecture and Urban Environment
- 0403 Building

05 AGRICULTURE, ENVIRONMENTAL AND RELATED STUDIES

- 0501 Agriculture
- 0503 Horticulture and Viticulture
- 0505 Forestry Studies
- 0507 Fisheries Studies
- 0509 Environmental Studies
- 0599 Other Agriculture, Environmental and Related Studies

06 HEALTH

0601	Medical Studies
0603	Nursing
0605	Pharmacy
0607	Dental Studies
0609	Optical Science
0611	Veterinary Studies
0613	Public Health
0615	Radiography
0617	Rehabilitation Therapies
0619	Complementary Therapies
0699	Other Health

07 EDUCATION

0701	Teacher Education
0703	Curriculum and Education Studies
0799	Other Education

08 MANAGEMENT AND COMMERCE

0801	Accounting
0803	Business and Management
0805	Sales and Marketing
0807	Tourism
0809	Office Studies
0811	Banking, Finance and Related Fields
0899	Other Management and Commerce

09 SOCIETY AND CULTURE

0901	Political Science and Policy Studies
0903	Studies in Human Society
0905	Human Welfare Studies and Services
0907	Behavioural Science
0909	Law
0911	Justice and Law Enforcement
0913	Librarianship, Information Management and Curatorial Studies
0915	Language and Literature
0917	Philosophy and Religious Studies
0919	Economics and Econometrics
0921	Sport and Recreation
0999	Other Society and Culture

10 CREATIVE ART

- 1001 Performing Arts
- 1003 Visual Arts and Crafts
- 1005 Graphic and Design Studies
- 1007 Communication and Media Studies
- 1099 Other Creative Arts

11 FOOD, HOSPITALITY AND PERSONAL SERVICES

- 1101 Food and Hospitality
- 1103 Personal Services

12 MIXED FIELD PROGRAMMES

- 1201 General Education Programmes
- 1203 Social Skills Programmes
- 1205 Employment Skills Programmes
- 1299 Other Mixed Field Programmes

BROAD, NARROW AND DETAILED FIELDS

01 NATURAL AND PHYSICAL SCIENCES

0101 Mathematical Sciences

010101 Mathematics

010103 Statistics

010199 Mathematical Sciences not elsewhere classified

0103 Physics and Astronomy

010301 Physics

010303 Astronomy

0105 Chemical Sciences

010501 Organic Chemistry

010503 Inorganic Chemistry

010599 Chemical Sciences not elsewhere classified

0107 Earth Sciences

010701 Atmospheric Sciences

010703 Geology

010705 Geophysics

010707 Geochemistry

010709 Soil Science

010711 Hydrology

010713 Oceanography

010799 Earth Sciences not elsewhere classified

0109 Biological Sciences

010901 Biochemistry and Cell Biology

010903 Botany

010905 Ecology and Evolution

010907 Marine Science

010909 Genetics

010911 Microbiology

010913 Human Biology

010915 Zoology

010999 Biological Sciences not elsewhere classified

0199 Other Natural and Physical Sciences

019901 Medical Science

019903 Forensic Science

019905 Food Science and Biotechnology

019907 Pharmacology

019909 Laboratory Technology

019999 Natural and Physical Sciences not elsewhere classified

02 INFORMATION TECHNOLOGY**0201 Computer Science**

- 020101 Formal Language Theory
- 020103 Programming
- 020105 Computational Theory
- 020107 Compiler Construction
- 020109 Algorithms
- 020111 Data Structures
- 020113 Networks and Communications
- 020115 Computer Graphics
- 020117 Operating Systems
- 020119 Artificial Intelligence
- 020199 Computer Science not elsewhere classified

0203 Information Systems

- 020301 Conceptual Modelling
- 020303 Database Management
- 020305 Systems Analysis and Design
- 020307 Decision Support Systems
- 020399 Information Systems not elsewhere classified

0299 Other Information Technology

- 029901 Security Science
- 029999 Information Technology not elsewhere classified

03 ENGINEERING AND RELATED TECHNOLOGIES**0301 Manufacturing Engineering and Technology**

- 030101 Manufacturing Engineering
- 030103 Printing
- 030105 Textile Making
- 030107 Garment Making
- 030109 Footwear Making
- 030111 Wood Machining and Turning
- 030113 Cabinet Making
- 030115 Furniture Upholstery and Renovation
- 030117 Furniture Polishing
- 030199 Manufacturing Engineering and Technology not elsewhere classified

- 0303 Process and Resources Engineering**
 030301 Chemical Engineering
 030303 Mining Engineering
 030305 Materials Engineering
 030307 Food Processing Technology
 030399 Process and Resources Engineering not elsewhere classified
- 0305 Automotive Engineering and Technology**
 030501 Automotive Engineering
 030503 Vehicle Mechanics
 030505 Automotive Electrics and Electronics
 030507 Automotive Vehicle Refinishing
 030509 Automotive Body Construction
 030511 Panel Beating
 030513 Upholstery and Vehicle Trimming
 030515 Automotive Vehicle Operations
 030599 Automotive Engineering and Technology not elsewhere classified
- 0307 Mechanical and Industrial Engineering and Technology**
 030701 Mechanical Engineering
 030703 Industrial Engineering
 030705 Toolmaking
 030707 Metal Fitting, Turning and Machining
 030709 Sheetmetal Working
 030711 Boilermaking and Welding
 030713 Metal Casting and Patternmaking
 030715 Precision Metalworking
 030717 Plant and Machine Operations
 030799 Mechanical and Industrial Engineering and Technology not elsewhere classified
- 0309 Civil Engineering**
 030901 Construction Engineering
 030903 Structural Engineering
 030905 Building Services Engineering
 030907 Water and Sanitary Engineering
 030909 Transport Engineering
 030911 Geotechnical Engineering
 030913 Ocean Engineering
 030999 Civil Engineering not elsewhere classified
- 0311 Geomatic Engineering**
 031101 Surveying
 031103 Mapping Science
 031199 Geomatic Engineering not elsewhere classified

0313 Electrical and Electronic Engineering and Technology

- 031301 Electrical Engineering
- 031303 Electronic Engineering
- 031305 Computer Engineering
- 031307 Communications Technologies
- 031309 Communications Equipment Installation and Maintenance
- 031311 Powerline Installation and Maintenance
- 031313 Electrical Fitting, Electrical Mechanics
- 031315 Refrigeration and Air Conditioning Mechanics
- 031317 Electronic Equipment Servicing
- 031399 Electrical and Electronic Engineering and Technology not elsewhere classified

0315 Aerospace Engineering and Technology

- 031501 Aerospace Engineering
- 031503 Aircraft Maintenance Engineering
- 031505 Aircraft Operation
- 031507 Air Traffic Control
- 031599 Aerospace Engineering and Technology not elsewhere classified

0317 Maritime Engineering and Technology

- 031701 Maritime Engineering
- 031703 Marine Construction
- 031705 Marine Craft Operation
- 031799 Maritime Engineering and Technology not elsewhere classified

0399 Other Engineering and Related Technologies

- 039901 Environmental Engineering
- 039903 Biomedical Engineering
- 039905 Fire Technology
- 039907 Rail Operations
- 039909 Cleaning
- 039999 Engineering and Related Technologies not elsewhere classified

04 ARCHITECTURE AND BUILDING**0401 Architecture and Urban Environment**

- 040101 Architecture
- 040103 Urban Design and Regional Planning
- 040105 Landscape Architecture
- 040107 Interior and Environmental Design
- 040199 Architecture and Urban Environment not elsewhere classified

0403 Building

- 040301 Building Science and Technology
- 040303 Building Construction Management
- 040305 Building Surveying
- 040307 Building Construction Economics
- 040309 Bricklaying and Stonemasonry
- 040311 Carpentry and Joinery
- 040313 Ceiling, Wall and Floor Fixing
- 040315 Roof Fixing
- 040317 Plastering
- 040319 Furnishing Installation
- 040321 Floor Coverings
- 040323 Glazing
- 040325 Painting, Decorating and Sign Writing
- 040327 Plumbing
- 040329 Scaffolding and Rigging
- 040399 Building not elsewhere classified

05 AGRICULTURE, ENVIRONMENTAL AND RELATED STUDIES**0501 Agriculture**

- 050101 Agricultural Science
- 050103 Wool Science
- 050105 Animal Husbandry
- 050199 Agriculture not elsewhere classified

0503 Horticulture and Viticulture

- 050301 Horticulture
- 050303 Viticulture

0505 Forestry Studies

- 050501 Forestry Studies

0507 Fisheries Studies

- 050701 Aquaculture
- 050799 Fisheries Studies not elsewhere classified

0509 Environmental Studies

- 050901 Land, Parks and Wildlife Management
- 050999 Environmental Studies not elsewhere classified

0599 Other Agriculture, Environmental and Related Studies

- 059901 Pest and Weed Control
- 059999 Agriculture, Environmental and Related Studies not elsewhere classified

06 HEALTH**0601 Medical Studies**

- 060101 General Medicine
- 060103 Surgery
- 060105 Psychiatry
- 060107 Obstetrics and Gynaecology
- 060109 Paediatrics
- 060111 Anaesthesiology
- 060113 Pathology
- 060115 Radiology
- 060117 Internal Medicine
- 060119 General Practice
- 060199 Medical Studies not elsewhere classified

0603 Nursing

- 060301 General Nursing
- 060303 Midwifery
- 060305 Mental Health Nursing
- 060307 Community Nursing
- 060309 Critical Care Nursing
- 060311 Aged Care Nursing
- 060313 Palliative Care Nursing
- 060315 Mothercraft Nursing and Family and Child Health Nursing
- 060399 Nursing not elsewhere classified

0605 Pharmacy

- 060501 Pharmacy

0607 Dental Studies

- 060701 Dentistry
- 060703 Dental Assisting
- 060705 Dental Technology
- 060799 Dental Studies not elsewhere classified

0609 Optical Science

- 060901 Optometry
- 060903 Optical Technology
- 060999 Optical Science not elsewhere classified

0611 Veterinary Studies

- 061101 Veterinary Science
- 061103 Veterinary Assisting
- 061199 Veterinary Studies not elsewhere classified

0613 Public Health

- 061301 Occupational Health and Safety
- 061303 Environmental Health
- 061305 Indigenous Health
- 061307 Health Promotion
- 061309 Community Health
- 061311 Epidemiology
- 061399 Public Health not elsewhere classified

0615 Radiography

- 061501 Radiography

0617 Rehabilitation Therapies

- 061701 Physiotherapy
- 061703 Occupational Therapy
- 061705 Chiropractic and Osteopathy
- 061707 Speech Pathology
- 061709 Audiology
- 061711 Massage Therapy
- 061713 Podiatry
- 061799 Rehabilitation Therapies not elsewhere classified

0619 Complementary Therapies

- 061901 Naturopathy
- 061903 Acupuncture
- 061905 Traditional Chinese Medicine
- 061999 Complementary Therapies not elsewhere classified

0699 Other Health

- 069901 Nutrition and Dietetics
- 069903 Human Movement
- 069905 Paramedical Studies
- 069907 First Aid
- 069999 Health not elsewhere classified

07 EDUCATION**0701 Teacher Education**

- 070101 Teacher Education: Early Childhood
- 070103 Teacher Education: Primary
- 070105 Teacher Education: Secondary
- 070107 Teacher-Librarianship
- 070109 Teacher Education: Vocational Education and Training
- 070111 Teacher Education: Higher Education
- 070113 Teacher Education: Special Education
- 070115 English as a Second Language Teaching
- 070117 Nursing Education Teacher Training
- 070199 Teacher Education not elsewhere classified

0703 Curriculum and Education Studies

- 070301 Curriculum Studies
- 070303 Education Studies

0799 Other Education

- 079999 Education not elsewhere classified

08 MANAGEMENT AND COMMERCE**0801 Accounting**

- 080101 Accounting

0803 Business and Management

- 080301 Business Management
- 080303 Human Resource Management
- 080305 Personal Management Training
- 080307 Organisation Management
- 080309 Industrial Relations
- 080311 International Business
- 080313 Public and Health Care Administration
- 080315 Project Management
- 080317 Quality Management
- 080319 Hospitality Management
- 080321 Farm Management and Agribusiness
- 080323 Tourism Management
- 080399 Business and Management not elsewhere classified

0805 Sales and Marketing

- 080501 Sales
- 080503 Real Estate
- 080505 Marketing
- 080507 Advertising
- 080509 Public Relations
- 080599 Sales and Marketing not elsewhere classified

- 0807 Tourism**
 - 080701 Tourism
- 0809 Office Studies**
 - 080901 Secretarial and Clerical Studies
 - 080903 Keyboard Skills
 - 080905 Practical Computing Skills
 - 080999 Office Studies not elsewhere classified
- 0811 Banking, Finance and Related Fields**
 - 081101 Banking and Finance
 - 081103 Insurance and Actuarial Studies
 - 081105 Investment and Securities
 - 081199 Banking, Finance and Related Fields not elsewhere classified
- 0899 Other Management and Commerce**
 - 089901 Purchasing, Warehousing and Distribution
 - 089903 Valuation
 - 089999 Management and Commerce not elsewhere classified

09 SOCIETY AND CULTURE

- 0901 Political Science and Policy Studies**
 - 090101 Political Science
 - 090103 Policy Studies
- 0903 Studies in Human Society**
 - 090301 Sociology
 - 090303 Anthropology
 - 090305 History
 - 090307 Archaeology
 - 090309 Human Geography
 - 090311 Indigenous Studies
 - 090313 Gender Specific Studies
 - 090399 Studies in Human Society not elsewhere classified
- 0905 Human Welfare Studies and Services**
 - 090501 Social Work
 - 090503 Children's Services
 - 090505 Youth Work
 - 090507 Care for the Aged
 - 090509 Care for the Disabled
 - 090511 Residential Client Care
 - 090513 Counselling
 - 090515 Welfare Studies
 - 090599 Human Welfare Studies and Services not elsewhere classified

- 0907 Behavioural Science**
090701 Psychology
090799 Behavioural Science not elsewhere classified
- 0909 Law**
090901 Business and Commercial Law
090903 Constitutional Law
090905 Criminal Law
090907 Family Law
090909 International Law
090911 Taxation Law
090913 Legal Practice
090999 Law not elsewhere classified
- 0911 Justice and Law Enforcement**
091101 Justice Administration
091103 Legal Studies
091105 Police Studies
091199 Justice and Law Enforcement not elsewhere classified
- 0913 Librarianship, Information Management and Curatorial Studies**
091301 Librarianship and Information Management
091303 Curatorial Studies
- 0915 Language and Literature**
091501 English Language
091503 Northern European Languages
091505 Southern European Languages
091507 Eastern European Languages
091509 Southwest Asian and North African Languages
091511 Southern Asian Languages
091513 Southeast Asian Languages
091515 Eastern Asian Languages
091517 Australian Indigenous Languages
091519 Translating and Interpreting
091521 Linguistics
091523 Literature
091599 Language and Literature not elsewhere classified
- 0917 Philosophy and Religious Studies**
091701 Philosophy
091703 Religious Studies
- 0919 Economics and Econometrics**
091901 Economics
091903 Econometrics

- 0921 Sport and Recreation**
 092101 Sport and Recreation Activities
 092103 Sports Coaching, Officiating and Instruction
 092199 Sport and Recreation not elsewhere classified

- 0999 Other Society and Culture**
 099901 Family and Consumer Studies
 099903 Criminology
 099905 Security Services
 099999 Society and Culture not elsewhere classified

10 CREATIVE ARTS

- 1001 Performing Arts**
 100101 Music
 100103 Drama and Theatre Studies
 100105 Dance
 100199 Performing Arts not elsewhere classified

- 1003 Visual Arts and Crafts**
 100301 Fine Arts
 100303 Photography
 100305 Crafts
 100307 Jewellery Making
 100309 Floristry
 100399 Visual Arts and Crafts not elsewhere classified

- 1005 Graphic and Design Studies**
 100501 Graphic Arts and Design Studies
 100503 Textile Design
 100505 Fashion Design
 100599 Graphic and Design Studies not elsewhere classified

- 1007 Communication and Media Studies**
 100701 Audio Visual Studies
 100703 Journalism
 100705 Written Communication
 100707 Verbal Communication
 100799 Communication and Media Studies not elsewhere classified

- 1099 Other Creative Arts**
 109999 Creative Arts not elsewhere classified

11 FOOD, HOSPITALITY AND PERSONAL SERVICES**1101 Food and Hospitality**

- 110101 Hospitality
- 110103 Food and Beverage Service
- 110105 Butchery
- 110107 Baking and Pastry-making
- 110109 Cookery
- 110111 Food Hygiene
- 110199 Food and Hospitality not elsewhere classified

1103 Personal Services

- 110301 Beauty Therapy
- 110303 Hairdressing
- 110399 Personal Services not elsewhere classified

12 MIXED FIELD PROGRAMMES**1201 General Education Programmes**

- 120101 General Primary and Secondary Education Programmes
- 120103 Literacy and Numeracy Programmes
- 120105 Learning Skills Programmes
- 120199 General Education Programmes not elsewhere classified

1203 Social Skills Programmes

- 120301 Social and Interpersonal Skills Programmes
- 120303 Survival Skills Programmes
- 120305 Parental Education Programmes
- 120399 Social Skills Programmes not elsewhere classified

1205 Employment Skills Programmes

- 120501 Career Development Programmes
- 120503 Job Search Skills Programmes
- 120505 Work Practices Programmes
- 120599 Employment Skills Programmes not elsewhere classified

1299 Other Mixed Field Programmes

- 129999 Mixed Field Programmes not elsewhere classified

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2127100001008
ISBN 0 642 47717 5

RRP \$10.00