



Oman Accreditation Council

# **Oman Standard Classification of Education Framework (OSCED)**

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Electronic copies of OSCED are available from <http://www.oac.gov.om/frameworks/osced/>

## **PREFACE**

In accordance with the provisions of His Majesty Sultan Qaboos bin Said's Royal Decree (74/2001), the Oman Accreditation Council (OAC) takes pleasure in presenting this Oman Standard Classification for Education Framework (OSCED). It forms a key component of the country's qualifications framework.

The approval of this comprehensive standard classification framework is a vital step forward in the going refinement of Oman's higher education system. OSCED will provide valuable coordination for a range of related processes and activities, such as the collection and analysis of higher education statistics and the development of academic standards.

This is an ontologically constructed framework. While it has been designed with Oman's educational offerings in mind, the framework itself is built upon principles that are independent of any one country's perspective. Therefore, national contextualization was done in terms of the content within each tier of the Fields of Study, rather than in terms of altering framework's ontological integrity, or in terms of applying different interpretations of the tiers (resulting in moving Fields of Study from one tier to the next, such as from the Detailed Field tier to the Narrow Field tier).

In terms of content, there are many topics in OSCED that are currently not being taught in higher education programs. OSCED is not intended to simply be a list of programs in Oman. It is intended to provide a framework for all possibilities. Indeed, in this respect OSCED can assist with the identification of gaps and opportunities in Oman's educational provision.

Note that this Framework does NOT set out or prescribe curriculum for academic programs. That remains, properly, the responsibility of academics within HEIs.

In some countries, the academic qualifications framework (or 'levels of study') and the standard classification of education (or 'fields of study') are merged into a single framework. In Oman they are treated as two separate frameworks while they are both in their first version, for ease of framework development. However, they are fundamentally linked together. In the future, it is envisaged that these two frameworks might be combined to form a single framework.

### ***Acknowledgements***

The OAC would like to acknowledge the Australian Bureau of Statistics for providing an excellent benchmark with their ASCED (2001). After extensive international benchmarking, a working group of the OAC selected ASCED as the most appropriate framework on which to base OSCED. Numerous changes have been made throughout the framework, to customise it for application in Oman. However, the OAC deliberately endeavoured to keep OSCED as similar to ASCED as possible in order to facilitate international communication about higher education activity.

The OAC would also like to thank and acknowledge the many contributions to this framework that have come from the Ministry of National Economy, the Ministry of Higher Education (particularly the Higher Education Admissions Centre), the Ministry of Manpower, higher education institutions and the Oman Quality Network. These contributions have helped to ensure that OSCED is as clear and as comprehensive as possible at this point in time.

As human appreciation of knowledge advances, so too will this framework. The OAC always welcomes suggestions for additions or amendments, and a watching brief will be maintained on international standard classification systems. The OAC Board will meet every three years to review and revise OSCED.

A handwritten signature in blue ink, appearing to read 'Hamed Al Dhahab', with a stylized flourish at the end.

Dr Hamed Al Dhahab  
Chairperson  
Oman Accreditation Council

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## GLOSSARY

The following abbreviations, acronyms and terms are used in this report. In some cases, URLs are provided to facilitate further enquiries about these acronyms and terms.

Academic Program.....	A structured entity into which a student enrolls, studies and, if successful, graduates from with an academic qualification. An Academic Program will usually be constructed of a number of courses, and specified credit hours or credit points which measure the quantum of student workload.
Academic Qualification....	An award, conferrable upon individuals by an HEI, that provides formal recognition that a specified level of learning has been achieved through a program of study. There are various types of academic qualification, including certificates, diplomas and degrees. All valid types of academic qualifications in Oman are listed on the Oman Qualifications Framework; systems are in place for validating or recognising academic qualifications from other countries.
ASCED .....	Australian Standard Classification of Education Framework ( <a href="http://www.abs.gov.au/ausstats/abs@.nsf/Latestproducts/1272.0Content12001?opendocument&amp;tabname=Summary&amp;prodno=1272.0&amp;issue=2001&amp;num=&amp;view">http://www.abs.gov.au/ausstats/abs@.nsf/Latestproducts/1272.0Content12001?opendocument&amp;tabname=Summary&amp;prodno=1272.0&amp;issue=2001&amp;num=&amp;view</a> )
Broad Field .....	The highest tiered grouping of Fields of Study. See section 3.3.1.
Detailed Field .....	A grouping of Fields of Study that is a subset of a Narrow Field. See section 3.3.3.
EQA .....	External Quality Agency
HEAC.....	Higher Education Admissions Centre ( <a href="http://www.heac.gov.om/heac_ar/">http://www.heac.gov.om/heac_ar/</a> )
HEI.....	Higher Education Institution
ISCED.....	International Standard Classification of Education Framework (approved by UNESCO. See <a href="http://www.unesco.org/education/information/nfsunesco/doc/isced_1997.htm">http://www.unesco.org/education/information/nfsunesco/doc/isced_1997.htm</a> )
MoHE.....	Ministry of Higher Education ( <a href="http://www.mohe.gov.om">http://www.mohe.gov.om</a> )
Narrow Field .....	A grouping of Fields of Study that is a subset of a Broad Field. See section 3.3.2.
n.e.c. ....	Not elsewhere classified
OAC .....	Oman Accreditation Council ( <a href="http://www.oac.gov.om">http://www.oac.gov.om</a> )
OICF .....	Oman institutional Classification Framework ( <a href="http://www.oac.gov.om/frameworks/oicf/">http://www.oac.gov.om/frameworks/oicf/</a> )
OQF .....	Oman Qualifications Framework ( <a href="http://www.oac.gov.om/frameworks/oqf/">http://www.oac.gov.om/frameworks/oqf/</a> )

- OSCED ..... Omani Standard Classification of Education Framework  
(<http://www.oac.gov.om/frameworks/osced/>)
- Topic ..... The name of something that can be studied. A topic is not bounded by OSCED. So, a Broad Field has a broad topic; a Narrow Field has a narrow topic; a Detailed Field has a detailed topic; and a subject has a specific topic.
- UNESCO ..... United Nations Educational, Scientific and Cultural Organization  
(<http://www.unesco.org>)





# **Part One: The Framework**

## 1 INTRODUCTION

### 1.1 Purpose

The Oman Standard Classification of Education Framework (OSCED) is a framework designed to organise the entire scope of topics that could be studied in programs of education, with emphasis in the first instance on higher education. Classification of education frameworks are used world-wide to serve as “an instrument suitable for assembling, compiling and presenting statistics of education, both within individual countries and internationally” (UNESCO, 1997). There are many specific potential applications for OSCED. Some are listed in the following table.

**Table 1. Examples of potential applications for OSCED**

#	Purpose	Most appropriate Field Tier	Primary User/s
1	Descriptions of the general scope of theoretical content and skills and knowledge gained from educational activities.	Broad, Narrow & Detailed	HEIs, students, employers, etc
2	Program licensing	Narrow & Detailed	MoHE
3	Program accreditation	Narrow & Detailed	OAC
4	Program codes for enrolment	Narrow	HEAC & HEIs
5	Academic standards development	Narrow	OAC with MoHE & Sector as a whole
6	Classification of Colleges	Broad	MoHE & HEIs
7	Classification of academic staff	Broad & Narrow	MoHE & HEIs
8	Organisation of research areas and allocation of funding	Broad & Narrow	Research Council & MoHE
9	Facilitation of credit transfer within Oman and with other countries	Narrow & Detailed	HEIs & EQA
10	Assembling, compiling, and presenting comparable indicators and statistics of education both within Oman and internationally	Broad, Narrow & Detailed	MoHE
11	Establishment of professional bodies in Oman	Narrow	Professional Bodies
12	Descriptions of the range of education and training currently offered in Oman and the distribution of students	Broad, Narrow & Detailed	Government & HEIs
13	Itemizing of public spending (e.g. strategic allocation of scholarships)	Narrow	Government
14	Public policy formation, e.g. regarding workforce planning	Broad, Narrow & Detailed	Government

### 1.2 International Benchmarks

This document is the result of extensive international benchmarking of similar classification frameworks; customization to the Omani context; and local consultation. The most international framework is the International Standard Classification of Education (ISCED – see [http://www.unesco.org/education/information/nfsunesco/doc/isced\\_1997.htm](http://www.unesco.org/education/information/nfsunesco/doc/isced_1997.htm)), established by UNESCO. Instigated in the early 1970s, the most recent version was approved in 1997. In the decade since then, the education sector

has changed considerably to accommodate greater diversity, rapid expansion, new discoveries and technologies, and advanced pedagogies. Accordingly, many countries have developed their own classification systems which provide more detail than ISCED. Over a dozen such frameworks were considered, and that which is used by Australia and, in almost identical form, New Zealand was adopted for further consideration (ASCED – see <http://www.abs.gov.au/ausstats/abs@.nsf/Latest/products/1272.0Contents12001?opendocument&tabname=Summary&prodno=1272.0&issue=2001&num=&view=>). This framework was chosen for its comprehensiveness and the strength of its theoretical underpinning. It was then customized for the Omani context through a process of consultation with the sector.

Conversion tables are provided for the purposes of comparing data with other national and international frameworks (see the appendices on pp146-163).

### **1.3 Place in the System of Quality Management for Higher Education**

There are several aspects to Oman's overall system of quality management for higher education (previously known as ROSQA) in addition to institutional and program quality assurance. They all inter-relate to form a comprehensive system (see the draft *Quality Plan*, available at [www.oac.gov.om](http://www.oac.gov.om)). Some of the other key frameworks and processes are set out below.

#### **1.3.1 Oman Qualifications Framework (OQF)**

The OQF defines the levels and types of academic qualifications in postsecondary education. Further information is available at [www.oac.gov.om/frameworks/oqf](http://www.oac.gov.om/frameworks/oqf).

#### **1.3.2 Oman Standard Classification of Education Framework (OSCED)**

The OSCED defines the Broad, Narrow and Detailed Fields of study. Further information is available at [www.oac.gov.om/frameworks/osced](http://www.oac.gov.om/frameworks/osced).

#### **1.3.3 Oman Institutional Classification Framework (OICF)**

This framework sets standards that define and differentiate between different types of higher education provider (e.g. Colleges and Universities). Further information is available at [www.oac.gov.om/frameworks/oicf](http://www.oac.gov.om/frameworks/oicf).

#### **1.3.4 Institutional Quality Assurance**

The system for institutional quality assurance involves the elements listed below. Further information is available from <http://www.oac.gov.om/institution>.

- Institutional Standards
- Institutional Licensing (i.e. permission to commence operations)
- Institutional Quality Audit (Institutional Accreditation: Stage 1)
- Institutional Standards Assessment (Institutional Accreditation: Stage 2)
- Institutional Probation and Reassessment
- Appeals

### 1.3.5 Program Quality Assurance

The system for institutional quality assurance involves the elements listed below. Further information is available from <http://www.oac.gov.om/program>.

- Program Standards
- Program Licensing (i.e. permission to commence enrolments)
- Program Accreditation Assessment (for Omani academic programs)
- Program Recognition Assessment (for foreign academic programs)
- Program Probation and Reassessment
- Appeals

### 1.3.6 Appeals

Decisions made and Reports issued by the OAC Board may be subject to an appeals process. Further information is available from <http://www.oac.gov.om/appeals>.

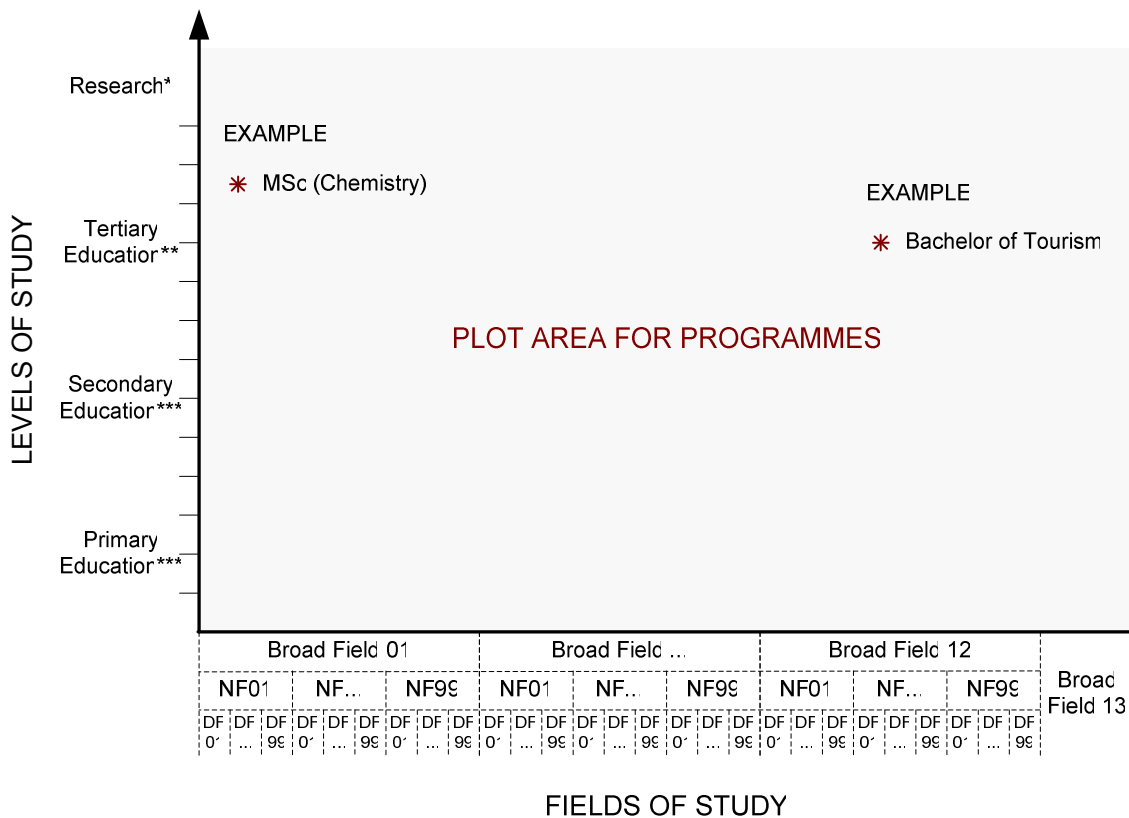
## 2 CLASSIFYING ACADEMIC PROGRAMS

An Academic Program may be classified, in broad conceptual terms, as being a combination of the following inter-related variables:

- Field of Education (as set out in Part 2 of this OSCED)
- Type of Study, e.g. higher education; technical education; vocational education, community education etc. Oman does not employ precise definitions for each of these terms, and 'higher education' is used generically to refer to any program of study leading towards the award of an academic qualification on the OQF. Types of study are differentiated by a combination of the balance of emphasis on theoretical verses practical components; the structure of the programs and assignment of formal credit; the strength of orientation towards a specific occupation; and the regulatory framework.
- Level of Academic Qualification (as set out in the Oman Qualifications Framework).

Figure 1 provides a conceptual view of how these variables relate to each other.

**Figure 1. Conceptual Matrix of Levels of Study x Fields of Study**



- \* Research activities may be classified by OSCED for funding purposes
- \*\* Tertiary Education means any education that follows and builds upon Secondary Education. It includes higher, technical and vocational Types of education.
- \*\*\* Although OSCED could, conceptually, be applied at the Primary and Secondary levels of education, there is no current proposal to do so.

### 3 EXPLAINING FIELDS OF STUDY

#### 3.1 Introduction and Purpose

Fields of Study define what content is included within a particular Broad, Narrow or Detailed Field. They do not specify the student learning standards for that Field of Study – that is done through a standards development process.

#### 3.2 How are Fields of Study Set and Revised?

The OAC has responsibility for the OQF & OSCED. The initial Fields of Study in OSCED were taken from ASCED, and then customized for Oman through a process of consultation with the sector and other stakeholders.

The OAC Board will convene annually to review OSCED and make decisions about additions or amendments to the Fields of Study. The OAC will consult as appropriate prior to making its decisions. Any person or organisation may make proposals to the OAC on additions or amendments to OSCED. Also, Working Groups convened by

the OAC to develop Program Standards will have particular responsibility for making recommendations to the OAC Board about Fields of Study.

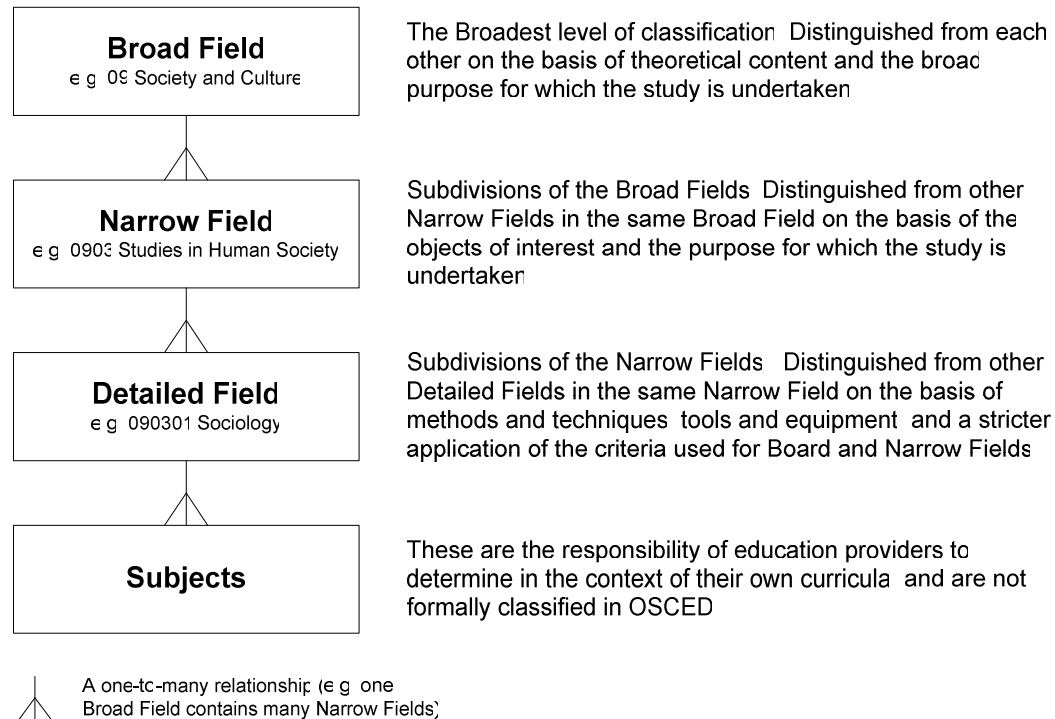
Fields of Study are added to OSCED once they are deemed by the OAC to be generally accepted by the international higher education community as appropriate for the dual purposes of academic programs and research. So, a potential field of study which may be appropriate for research but not teaching may not be admitted. Examples of this may include paranormal studies (clairvoyance; telepathy; psychokinesis etc.).

**3.3 Fields of Study Conceptual Classification**

Fields of study are determined according to the following criteria:

- Theoretical content
- Purpose of learning (e.g. professional/vocational application)
- Objects of interest (e.g. people, plants, metal, computers)
- Methods and Techniques
- Tools and equipment

They are grouped into as hierarchy of four tiers, as shown in the following figure.



**Figure 2. Fields of Study Hierarchy**

**3.3.1 Broad Fields**

- Broad Fields are the highest tier of classification.
- Broad Fields are denoted by two-digit codes.

- Broad Fields are distinguished from each other by their theoretical content and the broad purpose for which the study is taken vocational orientation (e.g. the professional or vocational application).
- It may also have specific entry requirements.

### 3.3.2 Narrow Fields

- A Broad Field will comprise one or many Narrow Fields.
- Narrow Fields are denoted by the Broad Field code followed by a two-digit Narrow Field code.
- Narrow Fields use a stricter application of the criteria used for Broad Fields. Also, a Narrow Field is distinguished from other Narrow Fields within the same Broad Field by the objects of interest and the purpose for which the study is taken (e.g. the professional or vocational application).

### 3.3.3 Detailed Fields

- A Narrow Field may comprise many Detailed Fields.
- Detailed Fields are denoted by the Broad Field code followed by the Narrow Field code followed by a two-digit Narrow Field code
- Detailed Fields use a stricter application of the criteria used for Broad and Narrow Fields. Also, a Detailed Field is distinguished from other Detailed Fields within the same Narrow Field by its methods and techniques, tools and equipment.
- A Detailed Field may contain many subjects. These are the responsibility of the HEIs in the context of their curricula.

## 4 TITLES FOR ACADEMIC PROGRAMS

### 4.1 *Titles for Diploma and Degree Awards*

The range of titles for diploma and degree awards has expanded over time. It is no longer the case that most majors are located within, for example, a Bachelor of Science (BSc) or a Bachelor of Arts (BA). As a specific example, an HEI may propose to establish a Bachelor of Economics (BEcon) rather than embed Economics as a major within another degree title (such as a BA(Econ)). However, in order for a new degree title to be created, the HEI must be able to demonstrate that:

- in addition to the requirements for the major, there is a suitably broad range of elective courses available to the students that draw from the same field of study and aligned/compatible fields of study; and/or
- there is a requirement from a reputable professional body to have a specific title for the degree.

OSCED does not prescribe the titles for diplomas and degrees. It is up to the HEI offering the program to propose an appropriate title as part of the Program Licensure process (see 4.5 below).

### 4.2 *Titles for Program Majors (Specialisations)*

HEI have the responsibility for naming the Major. It is preferred that the name of the Major align with one of the Narrow Fields or Detailed Fields of OSCED. This is partly

in order to help provide the public with clarity by removing the confusion that may be caused by having several similar titles, each of which refers to essentially the same learning objectives.

If the HEI believes that there is no Narrow Field or Detailed Field that accurately defines the Academic Program, then it should contact the OSCED Administrators to determine whether a new Field of Study is warranted.

#### **4.3 *Locating a Major within a Degree Title***

Over time the number of general subject titles for diplomas and degrees has grown considerably. For example, whereas commerce or management may once have been taught either within a Bachelor of Science (BSc) or a Bachelor of Arts (BA), they may now also be found in a Bachelor of Commerce (BCom) or a Bachelor of Business (BBus).

The choice of degree title is intended, in part, to indicate the epistemological emphasis given to the method of education for the program. For example, an HEI which offers a BSc (Psychology) may emphasise positivist and/or quantitative stance in its teaching, and include courses from science-oriented Fields of Study; whereas an HEI which offers a BA (Psychology) may emphasise a more Humanities-oriented stance in its teaching, and include courses from social sciences and humanities-based Fields of Study. A similar example may apply to Economics.

In order to ensure an appropriate amount of flexibility for the sector, and to ensure that HEIs retain an appropriate amount of autonomy regarding making academic decisions, OSCED will not be used to specify the titles for Diploma and Degree Awards. In other words, it will not be necessary to offer Economics in a Bachelor of Social Sciences simply because it is located in Broad Field 09 Society and Culture; an HEI may still choose to offer Economics in, for example, a BA, BSc, or BBus (or, as mentioned above, it may even seek to establish a BEcon).

#### **4.4 *Titles for Program Minors***

Minors are not recognised in the Oman Qualifications Framework and will not be registered against OSCED.

#### **4.5 *Approving Titles***

In all of the above cases, note that the name proposed for a diploma or degree by an HEI will be subject to consideration by an independent panel of academic peers as part of the program licensing and accreditation processes. In doing so, the panel will focus on the following issues:

- the appropriateness of the proposed title in regard to its learning objectives
- international benchmarks for titles of similar programs
- avoidance of confusion for students and the public that may be generated by having similar titles referring to essentially the same learning objectives.

### **5 ASSIGNING PROGRAMS OF STUDY TO FIELDS**

At the time that an Academic Program receives its License from the Ministry of Higher Education, it is assigned to a Field of Study in accordance with the following rules.



### **5.1 Programs with Single Discipline Majors**

- Each Academic Program will receive a six digit code. The first two digits denote the most applicable Broad Field; the 3<sup>rd</sup> and 4<sup>th</sup> digits denote the most applicable Narrow Field; and the 5<sup>th</sup> and 6<sup>th</sup> digits denote the most applicable Detailed Field. Two zeroes (00) are used as the default data when the most applicable field is indeterminable. This is specified in greater detail in the following points, in order to ensure consistency in the assignment of programs to codes.
- An Academic Program will be assigned to the Detailed Field which most closely reflects the primary academic content (i.e. the “major”) of the program. For example, a Bachelor of Arts (Linguistics) would be assigned to the code 091925.
- If there is no applicable Detailed Field, and the Academic Program involves a major which belongs to a particular Narrow Field but is clearly more specific than the Narrow Field itself, then the appropriate n.e.c. (“not elsewhere classified”) code should be applied. For example, a Bachelor of Humanities specialising in religions of pre-Christian Europe would be assigned to the code 100199. Such allocations will be periodically reviewed by the OSCED committee and may result in new Detailed Fields being added to the framework.
- If, even after the bullet point above, there is no applicable Detailed Field then the Academic Program will be assigned to the Narrow Field which most closely reflects the primary academic content of the program. Two zeroes will be added as the default Detailed Field code. For example, a Bachelor of Engineering (Civil) would be assigned to the code 030900.
- If there is no applicable Narrow Field (which is unlikely) then the Academic Program will be assigned to the Broad Field which most closely reflects the primary academic content of the program. Two zeroes will be added as the default Narrow Field code and another two zeroes will be added as the default Detailed Field code. As a hypothetical example, a Bachelor of Creative Arts, without a major, would be assigned to the code 110000.

### **5.2 Programs with Multidisciplinary or Interdisciplinary Majors**

- An Academic Program with a multidisciplinary or interdisciplinary major, in which the majority of contributing disciplines in the major are from the same Narrow Field but differing Detailed Fields, would be assigned to that Narrow Field. Two zeroes will be added as the default Detailed Field code. For example, a Bachelor of Social Sciences majoring in Counselling for the Aged (drawing from Detailed Fields 090507 and 090513) would be assigned to the code 090500.
- An Academic Program with a multidisciplinary or interdisciplinary major, in which the majority of contributing disciplines in the major are from the same Broad Field but differing Narrow and/or Detailed Fields, would be assigned to that Broad Field. Two zeroes will be added as the default Narrow Field code and another two zeroes will be added as the default Detailed Field code. For example, a Bachelor of Nursing specialising in Community Nursing (drawing from Narrow Field 060307) and Public health (drawing from Narrow Field 0613) would be assigned to the code 060000.
- An Academic Program with a multidisciplinary or interdisciplinary major, in which the majority of contributing disciplines in the major are from different Broad Fields, would be assigned to 13 Combined Broad Fields. Two zeroes will be added as the default Narrow Field code and another two zeroes will be added as the default Detailed Field code. For example, a Bachelor of Business (Sports Management)

(drawing from Narrow Field 0803 and 0923) would be assigned to the code 130000.

### **5.3 Programs with Double Majors, and Double Degrees**

- An Academic Program with two majors of equal credit value would be assigned to 13 Combined Broad Fields. For example, a Bachelor of Science majoring in Mathematics and Computer Science (BSc (Math & Comp Sci)) is derived from the codes 010101 and 020100. However, only one academic qualification is being awarded, and to the program is assigned to Broad Field 130000.
- A double degree will be assigned twice; once for each degree. For example, a Bachelor of Arts (Political Studies) and Bachelor of Laws double degree (BA/LLB) will be assigned to 090102 and 090900 (if each of the degrees has more specific majors, then the relevant Narrow or Details Field codes for those majors would be used).

### **5.4 Programs with Minors**

Program minors are not considered for the purposes of allocating a Field of Study Code to a program.

### **5.5 Finding Fields of Study in OSCED**

The best way to find a Field of Study in OSCED is to conduct an electronic word search. Bear the following hints in mind:

- A particular term may be used in more than one Field of Study. Make sure you consider all the possibilities.
- Academia is typified by extensive and constructive debate over which terms are the most appropriate for defining Fields of Study. So, if you don't find the term you are looking for, try searching for variations on the term, or synonyms.
- It is not necessary to achieve an exact match between a Field of Study in OSCED and the title of an Academic Program (such a framework would be almost infinitely huge). The task is to find the most appropriate classification based upon the main academic content of the program.
- OSCED is a classification system. It is not intended to be a comprehensive list of every possible topic.

### **5.6 Status of Fields of Study and Academic programs**

It is important to note that an academic program's classification in accordance with its position in this framework has no bearing whatsoever on its importance in education. For example, a program classified at the Narrow Field is not better, more important or more valuable than a program classified at the Detailed Field. A subject classified under a "not elsewhere classified" Detailed Field is not less important or valuable than a subject specifically mentioned under a named Detailed Field. OSCED is simply a way of ensuring that all programs may be classified in a structured and convenient manner. The importance of an academic program is determined by its relationship with the learning needs of students and the consequential contribution those graduates make to our society.

## **6 ASSIGNING STUDENTS TO ACADEMIC PROGRAMS**

It is not the purpose of OSCED to set the rules for the statistical assignment of students to Academic Programs. However, it should be noted here that the assignment of a student to an Academic Program may change several times throughout the course of a student's enrolment. For example, a student enrolling in a degree program may not know what major he or she is taking until the second or third year. Therefore, in the first instance the student may be enrolled at the appropriate Broad or Narrow Field for one or two years, using the default Detailed Field of 00. The more specific Detailed Field may be added later, once the major is specified. For example, a student may enroll for the first year of a Bachelor of Engineering and be assigned to the code 030000. In their second or third year they may select Civil Engineering as their major, in which case their code is amended to 030900.



## **Part Two: Fields of Study**

**LIST OF BROAD FIELDS OF STUDY**

01 NATURAL AND PHYSICAL SCIENCES .....	28
02 INFORMATION TECHNOLOGY .....	38
03 ENGINEERING AND RELATED TECHNOLOGIES .....	43
04 ARCHITECTURE AND BUILDING .....	66
05 AGRICULTURE, ENVIRONMENTAL AND RELATED STUDIES .....	72
06 HEALTH .....	78
07 EDUCATION .....	94
08 MANAGEMENT AND COMMERCE .....	101
09 SOCIETY AND CULTURE.....	112
10 RELIGION AND PHILOSOPHY.....	132
11 CREATIVE ARTS.....	136
12 PERSONAL SERVICES .....	143
13 COMBINED BROAD FIELDS .....	148

**LIST OF BROAD AND NARROW FIELDS OF STUDY**

<b>01 NATURAL AND PHYSICAL SCIENCES.....</b>	<b>28</b>
0101 Mathematical Sciences .....	28
0103 Physics and Astronomy.....	29
0105 Chemical Sciences.....	30
0107 Earth Sciences .....	31
0109 Biological Sciences .....	33
0199 Other Natural and Physical Sciences .....	35
<b>02 INFORMATION TECHNOLOGY .....</b>	<b>38</b>
0201 Computer Science.....	38
0203 Information Systems.....	41
0299 Other Information Technology .....	42
<b>03 ENGINEERING AND RELATED TECHNOLOGIES .....</b>	<b>43</b>
0301 Manufacturing Engineering and Technology .....	43
0303 Process and Resources Engineering .....	46
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## **FIELDS OF STUDY DESCRIPTIONS**

### **01 NATURAL AND PHYSICAL SCIENCES**

Natural and Physical Sciences is the study of all living organisms and inanimate natural objects, through experiment, observation and deduction.

The theoretical content of Broad Field 01 Natural and Physical Sciences includes:

- atmospheric sciences
- biological processes
- chemical reactions
- geological composition and structures
- laboratory methodology
- mathematical and statistical techniques
- observation and measurement
- scientific method
- subatomic particles and quantum mechanics
- thermodynamics and entropy

The main purpose of this Broad Field of education is to develop an understanding of the workings of the universe, and to extend the body of scientific knowledge.

This Broad Field comprises the following Narrow Fields:

0101 Mathematical Sciences

0103 Physics and Astronomy

0105 Chemical Sciences

0107 Earth Sciences

0109 Biological Sciences

0199 Other Natural and Physical Sciences

### **0101 MATHEMATICAL SCIENCES**

Mathematical Sciences is the study of abstract deductive systems, numerical facts, data and their applications. The main purpose of this Narrow Field of education is to develop an understanding of symbolic language and logic, mathematical theories and their deductive systems, techniques and modelling. It also involves developing an understanding of random processes and the ability to apply mathematical methods and modelling techniques to practical problems.

Courses in Narrow Field 0101 Mathematical Sciences develop skills in:

- application of mathematical methods to problem solving
- analysis and development of mathematical systems and theories
- systematic methods to prove theorems and to construct, analyse and interpret mathematical models and numerical data

This Narrow Field comprises the following Detailed Fields:

010101 Mathematics

010103 Statistics

010199 Mathematical Sciences n.e.c.

**010101 Mathematics**

Mathematics is the study of deductive systems, including algebra, arithmetic, geometry, analysis and applied mathematics. Examples of subjects in this Detailed Field include:

- calculus
- numerical analysis
- combinatorics
- optimisation
- topology
- trigonometry

**010103 Statistics**

Statistics is the study of collecting, describing, arranging and analysing numerical data. Examples of subjects in this Detailed Field include:

- biometrics
- linear and multivariate models
- probability estimations
- statistical significance tests
- stochastic processes
- time series analysis

Exclusions:

- Econometrics. This is included in Detailed Field 091903 Econometrics.

**010199 Mathematical Sciences n.e.c.**

This Detailed Field includes all Mathematical Sciences not elsewhere classified.

**0103 PHYSICS AND ASTRONOMY**

Physics and Astronomy is the study of the laws governing the structure of the universe and the forms of matter and energy. The main purpose of this Narrow Field of education is to develop an understanding of the fundamental properties of the universe and the laws which govern its behaviour and to assess and validate physical phenomena.

Courses in Narrow Field 0103 Physics and Astronomy develop skills in:

- analysing and interpreting data resulting from experiments to test theories and hypotheses
- application of appropriate laboratory techniques and procedures to research
- application of knowledge of physical laws to practical problems

This Narrow Field comprises the following Detailed Fields:

010301 Physics

010303 Astronomy

010399 Physics & Astronomy n.e.c.

Exclusions:

- Medical physics. This is included in Detailed Field 019901 Medical Science.

**010301 Physics**

Physics is the study of the laws governing states and properties of matter and energy. Examples of subjects in this Detailed Field include:

- acoustics
- gravitation
- solid and liquid states
- geometric optics
- quantum mechanics
- thermodynamics

### **010303 Astronomy**

Astronomy is the study of celestial bodies, their positions, motions, distances and physical conditions, and their origins and evolution. Examples of subjects in this Detailed Field include:

- astrophysics
- celestial mechanics
- cosmology

### **010399 Physics & Astronomy n.e.c.**

This Detailed Field includes all Physics & Astronomy not elsewhere classified.

## **0105 CHEMICAL SCIENCES**

Chemical Sciences is the study of the composition, structure, and the chemical transformations of matter. The main purpose of this Narrow Field of education is to develop an understanding of the fundamental properties of elements, compounds and materials, and their reactions and transformations.

Courses in Narrow Field 0105 Chemical Sciences develop skills in:

- application of knowledge of the fundamental properties of elements, compounds and their reactions
- identifying the compositional and energy changes resulting from chemical reactions
- using modern chemical instrumentation for the structural analysis of chemicals

This Narrow Field comprises the following Detailed Fields:

010501 Organic Chemistry

010503 Inorganic Chemistry

010599 Chemical Sciences n.e.c.

Exclusions:

- Medical biochemistry. This is included in Detailed Field 019901 Medical Science.

### **010501 Organic Chemistry**

Organic Chemistry is the study of the description, properties, reactions and preparations of carbon compounds. Examples of subjects in this Detailed Field include:

- aromatic compounds
- carbon-carbon bond formation
- free radicals
- hydrocarbons
- isomerism
- organic synthesis

Exclusions:

- Biochemistry. This is included in Detailed Field 010901 Biochemistry and Cell Biology.

**010503 Inorganic Chemistry**

Inorganic Chemistry is the study of the description, properties, reactions, and preparation of all the elements and their compounds, with the exception of carbon compounds. Examples of subjects in this Detailed Field include:

- crystallography
- main group metal chemistry
- non-metal chemistry
- structural basis of inorganic solids

**010599 Chemical Sciences n.e.c.**

This Detailed Field includes all Chemical Sciences not elsewhere classified. Examples of subjects in this Detailed Field include:

- analytical chemistry
- colloid science
- environmental chemistry
- theoretical chemistry
- physical chemistry

Exclusions:

- Geochemistry. This is included in Detailed Field 010707

**0107 EARTH SCIENCES**

Earth Sciences is the study of the nature, composition and structure of the Earth including its atmosphere and hydrosphere. The main purpose of this Narrow Field of education is to develop an understanding of the physical properties of the Earth's crust and the characteristics of its soil, landforms, climate, hydrosphere and atmosphere.

Courses in Narrow Field 0107 Earth Sciences develop skills in:

- analysing the structure, composition and evolution of the Earth, including its atmosphere and hydrosphere
- identifying and classifying crystals, rocks and minerals
- using geological instruments and field techniques for geological purposes

This Narrow Field comprises the following Detailed Fields:

010701 Atmospheric Sciences

010703 Geology

010705 Geophysics

010707 Geochemistry

010709 Soil Science

010711 Hydrology

010713 Oceanography

010799 Earth Sciences n.e.c.

**010701 Atmospheric Sciences**

Atmospheric Sciences is the study of the composition and structure of the earth's atmosphere and climate. Examples of subjects in this Detailed Field include:

- atmospheric stability, moisture and motion
- climatology
- meteorology

**010703 Geology**

Geology is the study of origin, composition and structure of the earth. Examples of subjects in this Detailed Field include:

- coastal and marine geoscience
- sedimentology
- mineralogy
- petrology
- tectonics
- volcanology

Exclusions:

- Palaeontology. This is included in Detailed Field 019999 Natural and Physical Sciences n.e.c.

**010705 Geophysics**

Geophysics is the study of the physical properties of the Earth through collecting and interpreting gravitational, magnetic, seismic and electrical data. Examples of subjects in this Detailed Field include:

- electrical properties of rocks and minerals
- geomagnetism
- petrophysics
- seismology

**010707 Geochemistry**

Geochemistry is the study of the quantities and distribution of the chemical elements in minerals, ores, rocks, soils, water, and the atmosphere. Examples of subjects in this Detailed Field include:

- hydrogeochemistry
- sediment geochemistry

**010709 Soil Science**

Soil Science is the study of the origins, composition, structure and classification of soils. Examples of subjects in this Detailed Field include:

- soil nutrient and water supply
- soils in the landscape
- the soil environment
- soil mineralogy

**010711 Hydrology**

Hydrology is the study of the location and movement of inland water, both frozen and liquid, above and below ground. Examples of subjects in this Detailed Field include:

- flood estimation models and procedures
- groundwater modelling
- water catchments
- water resources

**010713 Oceanography**

Oceanography is the study of the origins, composition, structure and history of the oceans and the ocean floor. Examples of subjects in this Detailed Field include:



- chemical and physical properties of seawater
- currents, waves and tides
- ocean floor topography

### **010799 Earth Sciences n.e.c.**

This Detailed Field includes all Earth Sciences not elsewhere classified. Examples of subjects in this Detailed Field include:

- physical geography

## **0109 BIOLOGICAL SCIENCES**

Biological Sciences is the study of the structure, function, reproduction, growth, evolution and behaviour of living organisms. The main purpose of this Narrow Field of education is to develop an understanding of the genetics and physiology of living organisms and of the relationship of living organisms to one another as well as the physical environment.

Courses in Narrow Field 0109 Biological Sciences develop skills in:

- analysing and interpreting biological data
- analysing the factors effecting the growth and reproduction of living organisms
- examining cells and tissue to determine their structure and function

This Narrow Field comprises the following Detailed Fields:

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 n.e.c.

Exclusions:

- Medical biology. This is included in Detailed Field 019901 Medical Science.

### **010901 Biochemistry and Cell Biology**

Biochemistry and Cell Biology is the study of the chemistry of living organisms and the structure and function of cells. Examples of subjects in this Detailed Field include:

- biosynthesis
- cellular regulation
- cytology
- molecular biology
- metabolism

Exclusions:

- Medical biochemistry. This is included in Detailed Field 019901 Medical Science.

### **010903 Botany**

Botany is the study of plants. Examples of subjects in this Detailed Field include:

- plant anatomy
- plant histology

- plant morphology
- plant physiology
- plant taxonomy

Exclusions:

- Palaeobotany. This is included in Detailed Field 019999 Natural and Physical Sciences n.e.c.
- Horticulture. This is included in Detailed Field 050301 Horticulture.

### **010905 Ecology and Evolution**

Ecology and Evolution is the study of interactions between organisms and their environment, and the processes of biological change in organisms. Examples of subjects in this Detailed Field include:

- autecology
- biodiversity
- ecosystems
- habitats
- organic population studies
- synecology

Exclusions:

- Human and primate evolution. These are included in Detailed Field 010913 Human Biology.

### **010907 Marine Science**

Marine Science is the study of marine and estuarine plants and wildlife. It includes freshwater science. Examples of subjects in this Detailed Field include:

- marine, estuarine and freshwater biology
- marine, estuarine and freshwater ecology

### **010909 Genetics**

Genetics is the study of heredity and the units of biological inheritance. Examples of subjects in this Detailed Field include:

- cytogenetics
- genotypes
- microbial genetics
- gene expression
- molecular genetics
- monohybrids
- phenotypes

Exclusions:

- Recombinant DNA technology. This is included in Detailed Field 019905 Food Science and Biotechnology.

### **010911 Microbiology**

Microbiology is the study of microscopic forms of life such as bacteria, viruses and protozoa. Examples of subjects in this Detailed Field include:

- microbial ecology
- microbial physiology
- microbial taxonomy

- virology

Exclusions:

- Medical microbiology. This is included in Detailed Field 019901 Medical Science.

### **010913 Human Biology**

Human Biology is the study of human and primate anatomy, physiology, evolution and biosocial interactions. Examples of subjects in this Detailed Field include:

- anatomy
- biological anthropology
- human histology
- human evolution and variation
- human growth, development and reproduction
- primatology

### **010915 Zoology**

Zoology is the study of animals and insects. Examples of subjects in this Detailed Field include:

- animal anatomy
- animal behaviour
- animal embryology
- animal physiology
- animal taxonomy
- entomology

### **010999 Biological Sciences n.e.c.**

This Detailed Field includes all Biological Sciences not elsewhere classified. Examples of subjects in this Detailed Field include:

- biogeography
- bioinformatics
- biophysics
- mycology
- neuroscience
- parasitology

## **0199 OTHER NATURAL AND PHYSICAL SCIENCES**

This Narrow Field includes all Natural and Physical Sciences not elsewhere classified.

This Narrow Field comprises the following Detailed Fields:

019901 Medical Science

019903 Forensic Science

019905 Food Science and Biotechnology

019907 Pharmacology

019909 Laboratory Technology

019999 Natural and Physical Sciences n.e.c.

**019901 Medical Science**

Medical Science is the study of the application of physics, biology and chemistry to medicine. Examples of subjects in this Detailed Field include:

- biomedical science
- clinical and medical biochemistry
- medical biotechnology
- clinical and medical microbiology
- medical physics

Exclusions:

- Biomedical engineering. This is included in Detailed Field 039903 Biomedical Engineering.
- Pathology and histopathology. These are included in Detailed Field 060113 Pathology.
- Radiology. This is included in Detailed Field 060115 Radiology.

**019903 Forensic Science**

Forensic Science is the study of the application of scientific techniques to criminal investigations. Examples of subjects in this Detailed Field include:

- ballistics
- blood splash pattern analysis
- crime scene investigation
- fingerprint enhancement and identification
- trace evidence
- fire and explosion investigation

**019905 Food Science and Biotechnology**

Food Science and Biotechnology is the study of the physical and chemical properties of food, and the industrial use of living organisms to produce food, pharmaceuticals and other products. Examples of subjects in this Detailed Field include:

- fermentation
- food analogues
- food preservation: heating, chilling, freezing, dehydration, salt, sugar, acids, and chemical preservatives
- oenology
- protein technology
- recombinant DNA technology

Exclusions:

- Food microbiology. This is included in Detailed Field 010911 Microbiology.

**019907 Pharmacology**

Pharmacology is the study of the development, uses and effects of drugs. Examples of subjects in this Detailed Field include:

- clinical drug trials
- drug analysis
- pharmacodynamics
- pharmacokinetics
- toxicology

**019909 Laboratory Technology**

Laboratory Technology is the study of the procedures, techniques and equipment used in biological, chemical, medical and other laboratories. Examples of subjects in this Detailed Field include:

- chromatography
- laboratory safety
- microscopy
- spectroscopy
- sample preparation and handling

Exclusions:

- Radiology. This is included in Detailed Field 060115 Radiology.

**019999 Natural and Physical Sciences n.e.c.**

This Detailed Field includes all Natural and Physical Sciences not elsewhere classified. Examples of subjects in this Detailed Field include:

- palaeobotany
- palaeontology

## 02 INFORMATION TECHNOLOGY

Information Technology is the study of the processing, transmitting and storage of information by computers.

The theoretical content of Broad Field 02 Information Technology includes:

- computation theory
- computer programming
- data format and coding
- management, storage and retrieval of information in a computer environment
- robotics programming and artificial intelligence
- systems analysis

The main purpose of this Broad Field of education is to develop an understanding of information systems, programming languages, information management and artificial intelligence, and the ability to apply them to solve problems.

This Broad Field comprises the following Narrow Fields:

0201 Computer Science

0203 Information Systems

0299 Other Information Technology

Exclusions:

- Computer hardware design and construction. This is included in Detailed Field 031305 Computer Engineering.
- Computer operation and using software packages. This is included in Detailed Field 080705 Practical Computing Skills.

### 0201 COMPUTER SCIENCE

Computer Science is the study of the design and development of computer systems. The main purpose of this Narrow Field of education is to develop an understanding of computer languages, computational theory as applied to information technology, and computer networks.

Courses in Narrow Field 0201 Computer Science develop skills in:

- computer programming
- data types and structures
- development and analysis of algorithms
- functions, number handling and computation stability
- two-dimensional and three-dimensional graphical images

This Narrow Field comprises the following Detailed Fields:

020101 Formal Language Theory

020103 Programming

020105 Computational Theory

020107 Compiler Construction

020109 Algorithms

020111 Data Structures

020113 Networks, Communications and the Internet

020115 Computer Graphics

020117 Operating Systems

020119 Artificial Intelligence

020199 Computer Science n.e.c.

### **020101 Formal Language Theory**

Formal Language Theory is the study of automated formal languages and the algorithms used to recognise them. Examples of subjects in this Detailed Field include:

- finite automata
- formal grammars
- language limitations, recognition and representation
- rational languages
- syntax analysis and specification

### **020103 Programming**

Programming is the study of writing coded instructions for computers to perform particular tasks. Examples of subjects in this Detailed Field include:

- imperative, functional, logic and object programming paradigms
- iterative and recursive processes
- program development
- software engineering
- specific language written machine codes

### **020105 Computational Theory**

Computational Theory is the study of problems that can be solved using efficient algorithms and the identification of problems that are unsolvable. Examples of subjects in this Detailed Field include:

- problem solving

Exclusions:

- Numerical analysis. This is included in Detailed Field 010101 Mathematics.

### **020107 Compiler Construction**

Compiler Construction is the study of the theories and techniques for translating instructions between high and low level languages. Examples of subjects in this Detailed Field include:

- automated syntax error correction
- code generation
- object programs
- source programs

### **020109 Algorithms**

Algorithms is the study of the processes and rules that describe the logical sequence of operations to be performed by a program. Examples of subjects in this Detailed Field include:

- algorithm analysis
- algorithm application
- algorithm design

### **020111 Data Structures**

Data Structures is the study of the system of relationships between items of data which permit efficient manipulation through reducing complexity. Examples of subjects in this Detailed Field include:

- adjacency matrix

- hash
- linked list
- queue
- table
- tree structures

### **020113 Networks, Communications and the Internet**

Networks, Communications and the Internet is the study of linking computers for information exchange and distribution. Examples of subjects in this Detailed Field include:

- distributive systems
- local area networks
- network architectures
- network organisation
- network protocol

### **020115 Computer Graphics**

Computer Graphics is the study of developing and programming graphical output devices to generate pictures. Examples of subjects in this Detailed Field include:

- 2D and 3D graphics systems
- computer animation
- ray tracing
- scan conversion
- shading and texturing
- vector and bit-mapped graphics

Exclusions:

- Animation using computers. This is included in Detailed Field 110399 Visual Arts and Crafts n.e.c.

### **020117 Operating Systems**

Operating Systems is the study of designing and constructing systems to control processes and process scheduling. Examples of subjects in this Detailed Field include:

- concurrency and synchronisation
- file systems
- memory management
- multi-tasking systems

### **020119 Artificial Intelligence**

Artificial Intelligence is the study of creating computer programs which demonstrate some of the attributes associated with human intelligence. Examples of subjects in this Detailed Field include:

- automated problem solving
- automated reasoning and theorem proving
- expert systems
- game playing
- machine learning
- searching



**020199 Computer Science n.e.c.**

This Detailed Field includes all Computer Science not elsewhere classified.

**0203 INFORMATION SYSTEMS**

Information Systems is the study of the flow of information, capturing data, and the design and specification of information systems and user interfaces. The main purpose of this Narrow Field of education is to develop an understanding of the information management needs of users, and the ability to analyse, design and manage information systems.

Courses in Narrow Field 0203 Information Systems develop skills in:

- conceptual modelling
- database management
- database systems design
- information systems analysis
- information systems management

This Narrow Field comprises the following Detailed Fields:

020301 Conceptual Modelling

020303 Database Management

020305 Systems Analysis and Design

020307 Decision Support Systems

020399 Information Systems n.e.c.

**020301 Conceptual Modelling**

Conceptual Modelling is the study of representing the structure, type, and relationships of data elements within a system used to support system design. Examples of subjects in this Detailed Field include:

- entity relationship modelling

**020303 Database Management**

Database Management is the study of programs which create and maintain databases. Examples of subjects in this Detailed Field include:

- database independence
- distributed databases
- logic based databases
- object oriented databases
- relational databases

**020305 Systems Analysis and Design**

Systems Analysis and Design is the study of analysing the information needs of the user and designing or modifying a system to meet these needs. Examples of subjects in this Detailed Field include:

- data and process modelling
- identifying system components
- general systems theory
- systems software engineering
- systems design
- systems development lifecycle

**020307 Decision Support Systems**

Decision Support Systems is the study of designing information systems based on statistical and mathematical models to support management decisions. Examples of subjects in this Detailed Field include:

- linear and dynamic decision making approaches
- multicriteria design decision making
- optimisation and simulation models
- utilisation of appropriate models

Exclusions:

- Expert systems. This is included in Detailed Field 020119 Artificial Intelligence.

**020399 Information Systems n.e.c.**

This Detailed Field includes all Information Systems not elsewhere classified.

**0299 OTHER INFORMATION TECHNOLOGY**

This Narrow Field includes all Information Technology not elsewhere classified.

This Narrow Field comprises the following Detailed Fields:

029901 Electronic Security Science  
029999 Information Technology n.e.c.

**029901 Electronic Security Science**

Security Science is the study of securing electronic information and preventing unauthorised access to data and programs. Examples of subjects in this Detailed Field include:

- computer viruses
- cryptology
- digital signatures
- secure multi-party computation
- smart cards
- system security

**029999 Information Technology n.e.c.**

This Detailed Field includes all Information Technology not elsewhere classified. Examples of subjects in this Detailed Field include:

- human computer interaction
- network administration
- systems administration

### **03 ENGINEERING AND RELATED TECHNOLOGIES**

Engineering and Related Technologies is the study of the design, manufacture, installation, maintenance and functioning of machines, systems and structures; and the composition and processing of metals, ceramics, foodstuffs and other materials. It includes the measurement and mapping of the earth's surface and its natural and constructed features.

The theoretical content of Broad Field 03 Engineering and Related Technologies includes:

- aeronautics
- engineering and manufacturing technology
- food technology
- land information technology and remote sensing
- materials science
- principles of design, drafting, planning and commissioning
- plant and machine maintenance

The main purpose of this Broad Field of education is to develop an understanding of the conversion of materials and energy, the measurement and representation of objects, and the operation of plant, machinery and transport systems.

This Broad Field comprises the following Narrow Fields:

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  
 0319 Railway Engineering and Technology  
 0321 Agricultural Engineering and Technology  
 0323 Nuclear Engineering and Technology  
 0399 Other Engineering and Related Technologies

Exclusions:

- Architecture and building. This is included in Broad Field 04 Architecture and Building.

#### **0301 MANUFACTURING ENGINEERING AND TECHNOLOGY**

Manufacturing Engineering and Technology is the study of the planning, organisation and operation of manufacturing methods, processes, facilities and systems. The main purpose of this Narrow Field of education is to develop an understanding of the design, selection, development and operation of manufacturing processes and systems, and the planning, control and management of production functions.

Courses in Narrow Field 0301 Manufacturing Engineering and Technology develop skills in:

- assembly and joining
- operating manufacturing systems to produce a product
- printing technology and production
- textile technology and production
- wood product technology and production

This Narrow Field comprises the following Detailed Fields:

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 n.e.c.

Exclusions:

- Textile design. This is included in Detailed Field 110503 Textile Design.
- Fashion design. This is included in Detailed Field 100505 Fashion Design.

### **030101 Manufacturing Engineering**

Manufacturing Engineering is the study of designing, developing and organising safe and flexible manufacturing processes, systems and facilities. Examples of subjects in this Detailed Field include:

- automation
- computer-aided manufacture
- flexible manufacturing systems
- general and specialised machinery
- mechanised assembly and specialised joining processes
- assembly inspection and control

Exclusions:

- Mechatronics and Robotics. This is included in Detailed Field 039905 Mechatronics and Robotics.

### **030103 Printing**

Printing is the study of reproducing texts and pictorial works onto any media from original plates and masters, and producing finished publications. It includes electronic (desktop) publishing. Examples of subjects in this Detailed Field include:

- binding and finishing techniques
- design, composition and layout
- operating printing machinery
- printing techniques

### **030105 Textile Making**

Textile Making is the study of the commercial production of textiles, yarns and fabrics. Examples of subjects in this Detailed Field include:

- dye and colouration techniques
- fibre technology
- textile technology
- weaving and tufting
- yarn manufacture

**030107 Garment Making**

Garment Making is the study of the commercial production of clothing and other apparel. Examples of subjects in this Detailed Field include:

- fabric spreading
- garment assembly
- marking and cutting
- pattern construction and apparel fitting principles

**030109 Footwear Making**

Footwear Making is the study of designing, making and repairing shoes, boots and other footwear. Examples of subjects in this Detailed Field include:

- clicking
- measurement and fitting
- footwear pattern design and cutting
- shoe repairing

Exclusions:

- Footwear design. This is included in Detailed Field 110599 Graphic and Design n.e.c.

**030111 Wood Machining and Turning**

Wood Machining and Turning is the study of shaping wood using various machines. Examples of subjects in this Detailed Field include:

- lathe, saw, plane and router maintenance and operation
- template and jig design and construction
- sawing, planing, shaping, carving and machining wood

**030113 Cabinet Making**

Cabinet Making is the study of making and repairing furniture and interior fittings for buildings. Examples of subjects in this Detailed Field include:

- custom-built furniture, interior fittings and fixtures
- furniture, interior fittings and cabinet reparation
- furniture and interior fittings material selection

**030115 Furniture Upholstery and Renovation**

Furniture Upholstery and Renovation is the study of designing, making and repairing the soft furnishings of chairs, beds and other furniture. Examples of subjects in this Detailed Field include:

- padding and furniture coverings
- upholstery machining
- decorative upholstery accessories

Exclusions:

- Vehicle upholstery and trimming. This is included in Detailed Field 030513 Upholstery and Vehicle Trimming.

**030117 Furniture Polishing**

Furniture Polishing is the study of preparing and polishing different timber furniture surfaces. Examples of subjects in this Detailed Field include:

- French polishing
- furniture stripping and mechanical buffing

- wood staining, lacquering and bleaching

### **030199 Manufacturing Engineering and Technology n.e.c.**

This Detailed Field includes all Manufacturing Engineering and Technology not elsewhere classified. Examples of subjects in this Detailed Field include:

- coopering
- leatherwork
- furriery
- picture framing
- curtain and blind making

## **0303 PROCESS AND RESOURCES ENGINEERING**

Process and Resources Engineering is the study of planning, designing and developing systems, processes and plant for locating and extracting minerals, oil and gas from the earth, and for physically and chemically transforming raw materials to produce metals, alloys, petrochemicals, ceramics, polymers and other materials. It includes the industrial manufacture, processing, packaging and handling of foodstuffs, pharmaceuticals and biochemicals. The main purpose of this Narrow Field of education is to develop an understanding of the theory and technology of extracting, processing and refining minerals, oil and gas; the chemical and physical properties of metals, alloys, petrochemicals, ceramics, polymers and other materials; the techniques of packaging food; and the management, regulatory and safety aspects of production.

Courses in Narrow Field 0303 Process and Resources Engineering develop skills in:

- analysing the structure, composition and properties of materials
- applying chemical and metallurgical techniques to the commercial production of metals, alloys, petrochemicals, ceramics, polymers and other materials
- developing techniques for producing and processing metals, alloys, petrochemicals, ceramics, polymers, foodstuffs and other materials
- designing, constructing and operating mines, refineries, chemical and food processing plants
- surveying mineral, oil and gas deposits to assess the economic feasibility of mining

This Narrow Field comprises the following Detailed Fields:

030301 Chemical Engineering

030303 Mining Engineering

030305 Oil and Gas Engineering

030307 Materials Engineering

030309 Food Processing Technology

030399 Process and Resources Engineering n.e.c.

### **030301 Chemical Engineering**

Chemical Engineering is the study of planning, designing and developing products and processes where chemical and physical changes occur. Examples of subjects in this Detailed Field include:

- process control optimisation and simulation
- laws of physical chemistry in chemical engineering
- biochemical engineering
- process plant design

### **030303 Mining Engineering**

Mining Engineering is the study of planning, developing, assessing, directing and managing the extraction of minerals, oil and gas from the earth. Examples of subjects in this Detailed Field include:

- economic feasibility of mining mineral deposits
- mine design and construction
- mine safety

Exclusions:

- Mining Surveying. This is included in Detailed Field 031101 Land Surveying.
- Oil, petrochemical and gas engineering. This is included in Detailed Field 030305 Oil and Gas Engineering.

### **030305 Oil and Gas Engineering**

[Definition not yet available]. Examples of subjects in this Detailed Field include:

- economic feasibility of mining gas and oil deposits
- gas and oil extraction methods
- petrochemical product development
- petroleum refining

### **030307 Materials Engineering**

Materials Engineering is the study of assaying, producing and refining materials, including metals, alloys, ceramics and polymers, timber, pulp and paper. Examples of subjects in this Detailed Field include:

- composite materials analysis
- papermaking technology
- materials production and processing techniques
- drying, treating and grading timber
- materials testing
- metallurgy

### **030309 Food Processing Technology**

Food Processing Technology is the study of the industrial processing, packaging and handling of food. Examples of subjects in this Detailed Field include:

- smallgoods manufacturing
- fruit and vegetables, sugars and cereal product processing
- food packaging and storage principles
- dairy products manufacturing
- seafood processing
- meat inspection

Exclusions:

- Butchery. This is included in Detailed Field 120105 Butchery.
- Food science. This is included in Detailed Field 019905 Food Science and Biotechnology.
- Wine making. This is included in Detailed Field 019905 Food Science and Biotechnology.

**030399 Process and Resources Engineering n.e.c.**

This Detailed Field includes all Process and Resources Engineering not elsewhere classified. Examples of subjects in this Detailed Field include:

- fuel technology
- pharmaceutical manufacturing

**0305 AUTOMOTIVE ENGINEERING AND TECHNOLOGY**

Automotive Engineering and Technology is the study of planning, designing, developing, producing and maintaining motor vehicles including earth moving equipment, motor cycles and small engines. The main purpose of this Narrow Field of education is to develop an understanding of the theory and practice of the design, production and functioning of motor vehicles, vehicle body building, repair, painting and trimming, and maintaining and repairing motor vehicles, earth moving plant, motor cycles and small engines. It also involves developing an ability to organise, cost and complete the tasks required in the design, construction and maintenance of motor vehicles.

Courses in Narrow Field 0305 Automotive Engineering and Technology develop skills in:

- designing and developing motor vehicles, earth moving equipment, small engines and their components
- diagnosing faults in, servicing and repairing mechanical and electrical automotive systems and components
- interpreting and applying standards to the design of motor vehicles and components
- testing and evaluating vehicle performance and safety
- utilising the structural properties of materials for vehicle building

This Narrow Field comprises the following Detailed Fields:

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 n.e.c.

**030501 Automotive Engineering**

Automotive Engineering is the study of designing, developing and testing motor vehicles, earth moving equipment, small engines and their components. Examples of subjects in this Detailed Field include:

- engineering mathematics and science in automotive practices
- motor vehicle components and design standards
- vehicle performance and safety testing and evaluation

**030503 Vehicle Mechanics**

Vehicle Mechanics is the study of maintaining, diagnosing faults in, repairing and servicing motor vehicles and their components and small engines in boats, motorcycles, lawnmowers, generators and related equipment. Examples of subjects in this Detailed Field include:

- automotive fitting and turning
- exhaust emission control systems



- tuning engines
- automotive air conditioning
- suspension, steering and brake systems
- tyre fitting and wheel alignments

### **030505 Automotive Electrics and Electronics**

Automotive Electrics and Electronics is the study of installing, maintaining and repairing electrical wiring and electronic components in motor vehicles, boats and earth moving equipment. Examples of subjects in this Detailed Field include:

- engine control systems and timing adjustment
- electrical and electronic equipment installation and repair
- automotive security systems and other electronic accessories
- electrical and electronic malfunction detection techniques
- batteries and charging principles
- vehicle lighting systems

### **030507 Automotive Vehicle Refinishing**

Automotive Vehicle Refinishing is the study of preparing vehicle surfaces, mixing and matching paint colours, spray painting and detailing motor vehicles and aircraft. Examples of subjects in this Detailed Field include:

- metallic and non-metallic paint technology
- protective mouldings, transfers and stet
- anti-corrosion treatment
- painted and unpainted surface preparation
- spraying techniques
- spot repairs (major and minor)

### **030509 Automotive Body Construction**

Automotive Body Construction is the study of building bodies for motor vehicles, trailers, buses, and railway rolling stock. Examples of subjects in this Detailed Field include:

- body structure
- framework construction techniques
- attaching panels to frameworks

Exclusions:

- Aircraft body construction. This is included in Detailed Field 031503 Aircraft Maintenance Engineering.

### **030511 Panel Beating**

Panel Beating is the study of repairing damaged motor vehicle bodies and replacing panels. Examples of subjects in this Detailed Field include:

- damage and cost assessment
- panelbeating equipment
- panel section replacement
- forming custom panels

Exclusions:

- Windscreen glazing. This is included in Detailed Field 040323 Glazing.

**030513 Upholstery and Vehicle Trimming**

Upholstery and Vehicle Trimming is the study of making, installing, repairing and replacing the interior trimmings and upholstery of motor vehicles, boats, aircraft and railway carriages. Examples of subjects in this Detailed Field include:

- vehicle trimming principles
- seat cover repairs and manufacture
- canopy, tonneau covers, seat and squab production

**030515 Automotive Vehicle Operations**

Automotive Vehicle Operations is the study of driving motor vehicles including motor cycles, trucks and buses. Examples of subjects in this Detailed Field include:

- advanced driver training
- motor vehicle handling
- road rules and defensive driving techniques

Exclusions:

- Driving instructor training. This is included in Detailed Field 079999 Education n.e.c.

**030599 Automotive Engineering and Technology n.e.c.**

This Detailed Field includes all Automotive Engineering and Technology not elsewhere classified. Examples of subjects in this Detailed Field include:

- manufacturing and repairing bicycles
- automotive parts interpreting

**0307 MECHANICAL AND INDUSTRIAL ENGINEERING AND TECHNOLOGY**

Mechanical and Industrial Engineering and Technology is the study of designing, planning, installing, operating, maintaining and repairing mechanical plant, machinery and tools. The main purpose of this Narrow Field of education is to develop an understanding of machines, mechanical plant and systems, the optimisation of production resources, and an understanding of fabricating, casting and welding metals.

Courses in Narrow Field 0307 Mechanical and Industrial Engineering and Technology develop skills in:

- analysing the effects of stresses and strains on machinery, plant and equipment
- designing and drafting mechanical components
- organising and operating industrial processes
- reading and interpreting blueprints and specifications in order to determine dimensions and tolerance of tools and metal articles

This Narrow Field comprises the following Detailed Fields:

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 n.e.c.

Exclusions:

- Automotive engineering and mechanics. These are included in Narrow Field 0305 Automotive Engineering and Technology.

### **030701 Mechanical Engineering**

Mechanical Engineering is the study of planning, designing and developing machines, mechanical plant and systems. Examples of subjects in this Detailed Field include:

- machinery, plant and equipment stress and strain analysis
- mechanical systems and component design
- maintenance of mechanical systems
- lubrication, friction and wear
- fluid mechanics and hydraulic engineering

Exclusions:

- Heat Transfer. This is included in Detailed Field 010301 Physics.

### **030703 Industrial Engineering**

Industrial Engineering is the study of planning, designing, organising and operating industrial facilities and processes for the economic, safe and effective use of physical and human resources. Examples of subjects in this Detailed Field include:

- control system design
- industrial plant design
- methods engineering

### **030705 Toolmaking**

Toolmaking is the study of making and repairing tools, dies, jigs, fixtures and other precision parts and equipment. Examples of subjects in this Detailed Field include:

- precision toolmaking tools operation
- tool dimensions and tolerances
- metals, alloys and plastics in toolmaking

### **030707 Metal Fitting, Turning and Machining**

Metal Fitting, Turning and Machining is the study of setting up machining tools, production machines and textile machines, operating machining tools and machines to shape metal stock and castings, and fitting and assembling the fabricated metal parts into products. Examples of subjects in this Detailed Field include:

- fabricated metal parts fitting and assembling
- turning, gearcutting, milling and computer controlled machining
- shaping metal stocks

### **030709 Sheetmetal Working**

Sheetmetal Working is the study of cutting, shaping and joining sheetmetal and other materials, and using hand tools, power tools and machines to make products and components. Examples of subjects in this Detailed Field include:

- sheetmetal products construction
- stock marking techniques
- metal spinning

**030711 Boilermaking and Welding**

Boilermaking and Welding is the study of marking out, cutting, shaping and joining metals, and constructing and repairing steelwork structures and pressure vessels including boilers, piping systems and ships. Examples of subjects in this Detailed Field include:

- welding and thermal cutting
- weld smoothing
- weld testing
- metal welding techniques
- metal section and pipe shaping

**030713 Metal Casting and Patternmaking**

Metal Casting and Patternmaking is the study of planning and fabricating mould patterns and cores for the production of metal castings. Examples of subjects in this Detailed Field include:

- metallic and non-metallic pattern, mould and core design and fabrication
- metal moulding and casting techniques
- ferrous and non-ferrous alloy moulding, coremaking and casting

**030715 Precision Metalworking**

Precision Metalworking is the study of designing, fabricating, assembling, maintaining and repairing precision instruments such as locks, timepieces and firearms. Examples of subjects in this Detailed Field include:

- precision instrument assembly, dismantling and repair
- calibration
- fine metal work and ornamental inscription engraving
- saw blade construction and repair

**030717 Plant and Machine Operations**

Plant and Machine Operations is the study of setting up, controlling and monitoring mobile and stationary plant, equipment and machinery either directly or by remote control. Examples of subjects in this Detailed Field include:

- equipment cleaning, lubricating and maintenance
- forklift, tractor, front-end loader and crane operation
- equipment safety and efficiency monitoring
- pre-start-up inspection

**030799 Mechanical and Industrial Engineering and Technology n.e.c.**

This Detailed Field includes all Mechanical and Industrial Engineering and Technology not elsewhere classified. Examples of subjects in this Detailed Field include:

- farriery
- armament fitting
- blacksmithing

**0309 CIVIL ENGINEERING**

Civil Engineering is the study of planning, designing, testing and directing the construction of large scale buildings and structures, and transport, water supply, pollution control and sewerage systems. It includes economic, functional and environmental considerations in the

design and construction. The main purpose of this Narrow Field of education is to develop an understanding of the theory and technology of civil engineering and their application to the construction process, the effects of soils, water and stress on structures, and the environmental impact of civil engineering projects. It also involves developing an ability to design, organise and co-ordinate civil engineering projects.

Courses in Narrow Field 0309 Civil Engineering develop skills in:

- analysing sites and applying the principles of soil mechanics to determine construction methods
- analysing the composition and strength of various engineering materials
- applying the principles of fluid mechanics and hydraulics to the design and construction of watercourses and dams
- designing civil engineering projects

This Narrow Field comprises the following Detailed Fields:

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 n.e.c.

### **030901 Construction Engineering**

Construction Engineering is the study of designing and developing infrastructure such as buildings, roads, bridges, tunnels and quarries. Examples of subjects in this Detailed Field include:

- airport engineering
- roads and bridges
- underground construction and tunnelling

Exclusions:

- Mine construction. This is included in Detailed Field 030303 Mining Engineering.

### **030903 Structural Engineering**

Structural Engineering is the study of the analysis and design of a structural system(s) with the purpose of supporting and resisting various loads, and of the durability and other properties of materials used for erecting structures. Examples of subjects in this Detailed Field include:

- structural systems strength, serviceability and durability
- material behaviour
- solid mechanics
- structural erection techniques
- structural loading

### **030905 Building Services Engineering**

Building Services Engineering is the study of designing and developing infrastructure aimed at enhancing human comfort through controlling heat, light and sound in built environments. Examples of subjects in this Detailed Field include:

- secure access systems
- building fire detection and suppression systems

- thermal, visual and acoustical environment in buildings
- building mechanical services
- building electrical services
- energy efficient buildings

Exclusions:

- Refrigeration and air-conditioning repair. This is included in Detailed Field 031315 Refrigeration and Air Conditioning Mechanics.

### **030907 Water and Sanitary Engineering**

Water and Sanitary Engineering is the study of designing and developing water storage and distribution systems, and sludge, effluent and waste water treatment systems. Examples of subjects in this Detailed Field include:

- on-site waste water treatment
- pond and lagoon systems
- primary, secondary and tertiary municipal waste water treatments
- desalination

### **030909 Transport Engineering**

Transport Engineering is the study of planning and developing efficient transport systems. Examples of subjects in this Detailed Field include:

- transport network systems evaluation
- transport facilities planning, design and operation
- public transport systems
- traffic operations and control
- traffic studies

Exclusions:

- Air traffic control. This is included in Detailed Field 031507 Air Traffic Control.

### **030911 Geotechnical Engineering**

Geotechnical Engineering is the study of analyzing foundations, slopes and soil mechanics, and designing foundations. Examples of subjects in this Detailed Field include:

- earth and rock slope analysis
- failure in soil
- geotechnical investigations and orientation
- geotechnical practical skills
- managing earth pressure in engineering projects

### **030913 Ocean Engineering**

Ocean Engineering is the study of designing, constructing and maintaining coastal and ocean related projects and facilities, and designing floating, fixed and sub-sea offshore systems. Examples of subjects in this Detailed Field include:

- buoy engineering
- coastal engineering
- floating and compliant platforms
- semi-submersibles

### **030999 Civil Engineering n.e.c.**

- This Detailed Field includes all Civil Engineering not elsewhere classified.

## **0311 GEOMATIC ENGINEERING**

Geomatic Engineering is the study of measuring and graphically representing natural and constructed features of the environment. The main purpose of this Narrow Field of education is to develop an understanding of cadastral law, the theory and technology of surveying in determining location and position, and the theory and technology of map design and construction.

Courses in Narrow Field 0311 Geomatic Engineering develop skills in:

- developing and applying survey and design procedures for preparing survey plans
- measuring, reducing and adjusting data for various types of surveys
- developing, editing and revising maps and charts and preparing them for reproduction and publication
- researching existing records and maps to assist in determining survey requirements
- using surveying instruments to determine the position of points on the earth's surface
- using techniques such as remote sensing, photogrammetry and land information systems to prepare maps

This Narrow Field comprises the following Detailed Fields:

031101 Land Surveying

031103 Mapping Science

031199 Geomatic Engineering n.e.c.

### **031101 Land Surveying**

Surveying is the study of measuring and representing the shape, contours, locations and dimensions of the constructed and natural features of the earth, in the form of reports and plans. Examples of subjects in this Detailed Field include:

- survey plans preparation
- survey statistics and adjustments
- land information plans and reports
- surveying mines
- geodesy
- survey data presentation

Exclusions:

- Surveying of mineral deposits. This is included in Detailed Field 010705 Geophysics.
- Building surveying. This is included in Detailed Field 040305 Building Surveying.
- Quantity surveying. This is included in Detailed Field 040307 Building Construction Economics.

### **031103 Mapping Science**

Mapping Science is the study of graphically representing the constructed and natural features of the earth in the form of maps. Examples of subjects in this Detailed Field include:

- aerial surveying
- graphic communication techniques in map production
- cartography
- hydrography
- map and chart development and revision

### **031199 Geomatic Engineering n.e.c.**

This Detailed Field includes all Geomatic Engineering not elsewhere classified. Examples of subjects in this Detailed Field include:

- geographical information systems (GIS)
- land information systems (LIS)
- photogrammetry
- remote sensing
- spatial information systems (SIS)

### **0313 ELECTRICAL AND ELECTRONIC ENGINEERING AND TECHNOLOGY**

Electrical and Electronic Engineering and Technology is the study of planning, designing, developing, testing, installing and maintaining electrical, electronic and communications equipment, circuits and systems. It includes designing, installing and maintaining equipment for generating, transmitting and distributing electrical power. The main purpose of this Narrow Field of education is to develop an understanding and practical application of the design, installation, testing, maintenance and repair of electrical, electronic and communications equipment and systems, electrical and electronic wiring, circuitry and componentry. It also involves developing an understanding of electrical safety and safety regulations.

Courses in Narrow Field 0313 Electrical and Electronic Engineering and Technology develop skills in:

- analysing the performance of electrical and electronic systems
- planning, designing and commissioning electrical and electronic circuits and systems
- installing, maintaining, repairing and operating telecommunication systems

This Narrow Field comprises the following Detailed Fields:

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 n.e.c.

Exclusions:

- Maintaining, fitting and repairing automotive electrics and electronics. These are included in Detailed Field 030505 Automotive Electrics and Electronics.
- Aircraft electrical fitting and maintenance. This is included in Detailed Field 031503 Aircraft Maintenance Engineering.

#### **031301 Electrical Engineering**

Electrical Engineering is the study of planning, designing, developing and maintaining electrical equipment, circuits and systems. Examples of subjects in this Detailed Field include:

- electrical systems analysis
- electrical circuits and systems
- electromechanical energy conversion (power generation)
- frequency, voltage and power control
- high voltage technologies



**031303 Electronic Engineering**

Electronic Engineering is the study of planning, designing, developing and maintaining electronic equipment, machinery and systems. Examples of subjects in this Detailed Field include:

- analogue systems
- electronic components and systems design
- operational amplifiers
- integrated circuit design

**031305 Computer Engineering**

Computer Engineering is the study of designing and constructing digital data processing hardware. Examples of subjects in this Detailed Field include:

- arithmetic and logic structures
- computer architecture
- computer hardware design and construction
- computer systems engineering
- input, output and data devices
- logic design

**031307 Communications Technologies**

Communications Technologies is the study of communication transmission and analogue and digital signal systems. Examples of subjects in this Detailed Field include:

- antenna technology
- broadband network technology
- digital and microwave communication systems
- fibre optic and photonic communication systems
- modem technology
- satellite communication systems

**031309 Communications Equipment Installation and Maintenance**

Communications Equipment Installation and Maintenance is the study of installing, maintaining, operating, diagnosing and repairing faults in telecommunications equipment, appliances, instruments and systems. Examples of subjects in this Detailed Field include:

- telephone, radio and computer transmission equipment
- underground communications cabling
- broadcast station equipment operation
- fibre-optic cable jointing

**031311 Powerline Installation and Maintenance**

Powerline Installation and Maintenance is the study of installing, repairing, maintaining and monitoring overhead and underground electrical power distribution networks. Examples of subjects in this Detailed Field include:

- overhead and underground electric powerlines and aerial equipment
- powerline fault finding
- powerline quality and performance testing
- powerline insulation

**031313 Electrical Fitting, Electrical Mechanics**

Electrical Fitting, Electrical Mechanics is the study of installing, maintaining, diagnosing faults in and repairing electrical wiring and equipment in domestic, commercial and industrial establishments, ships and trains. Examples of subjects in this Detailed Field include:

- electrical wiring installations
- electrical units fault finding and repair
- electrical circuits compatibility and safety testing
- electrical drawing interpretation

**031315 Refrigeration and Air Conditioning Mechanics**

Refrigeration and Air Conditioning Mechanics is the study of installing, maintaining, diagnosing faults in and repairing domestic, commercial and industrial refrigeration, air conditioning and heating equipment. Examples of subjects in this Detailed Field include:

- refrigerants
- refrigeration, air conditioning and heating equipment repair
- refrigeration systems analysis
- ventilation

Exclusions:

- Air conditioning and heating system design. This is included in Detailed Field 030905 Building Services Engineering.
- Automotive air conditioning. This is included in Detailed Field 030503 Vehicle Mechanics.

**031317 Electronic Equipment Servicing**

Electronic Equipment Servicing is the study of maintaining, diagnosing faults in and repairing computers, radio and television receivers, audio, video, and other electronic business and domestic equipment. Examples of subjects in this Detailed Field include:

- electronic wiring and equipment testing
- electronic equipment installation
- electronic mechanics
- chrominance and luminance
- filters and resonance
- PC configuration

**031399 Electrical and Electronic Engineering and Technology n.e.c.**

This Detailed Field includes all Electrical and Electronic Engineering and Technology not elsewhere classified. Examples of subjects in this Detailed Field include:

- renewable energy technology

**0315 AEROSPACE ENGINEERING AND TECHNOLOGY**

Aerospace Engineering and Technology is the study of planning, designing, developing, assembling and maintaining aircraft structures and systems. It includes operating and directing aircraft. The main purpose of this Narrow Field of education is to develop an understanding of the research, design, development, manufacture, installation, operation, maintenance and management of aircraft. It also involves developing an understanding of the structural aspects of air frames, aircraft controls and flight stability, and aircraft capability and safety under operational conditions.

Courses in Narrow Field 0315 Aerospace Engineering and Technology develop skills in:

- authorising aircraft modifications, repairs and maintenance
- conducting diagnostic tests to determine the nature of aircraft malfunctions, and maintaining and servicing aircraft engines, airframe components and systems
- designing aircraft, aircraft components and support equipment
- evaluating test flights to analyse performance and compliance to specifications and safety standards
- piloting aircraft and controlling aircraft movements

This Narrow Field comprises the following Detailed Fields:

031501 Aerospace Engineering

031503 Aircraft Maintenance Engineering

031505 Aircraft Operation

031507 Air Traffic Control

031599 Aerospace Engineering and Technology n.e.c.

### **031501 Aerospace Engineering**

Aerospace Engineering is the study of designing, developing and modifying aircraft. Examples of subjects in this Detailed Field include:

- aerodynamics
- airframes engineering
- missile design
- propulsion
- satellite design
- spacecraft design

### **031503 Aircraft Maintenance Engineering**

Aircraft Maintenance Engineering is the study of assembling, maintaining and repairing aircraft structures, and avionic and mechanical systems. Examples of subjects in this Detailed Field include:

- aircraft auxiliary systems
- propellers and propeller systems
- aircraft instrument systems
- aircraft fabrication techniques
- aerodynamics and structural repairs

### **031505 Aircraft Operation**

Aircraft Operation is the study of piloting and navigating aircraft. Examples of subjects in this Detailed Field include:

- aircraft ground control, take-off and landing procedures
- aircraft navigation
- aircraft operation and flight procedures
- aircraft safety
- flight plans preparation

### **031507 Air Traffic Control**

Air Traffic Control is the study of monitoring and directing ground and air aircraft movements. Examples of subjects in this Detailed Field include:

- ground control systems
- air traffic communications

- pilot weather briefing
- aircraft plotting
- flight and operation recording
- flight plans clearance
- navigational aids and airports

### **031599 Aerospace Engineering and Technology n.e.c.**

This Detailed Field includes all Aerospace Engineering and Technology not elsewhere classified.

## **0317 MARITIME ENGINEERING AND TECHNOLOGY**

Maritime Engineering and Technology is the study of designing, maintaining and operating marine craft and shipboard machinery and systems. The main purpose of this Narrow Field of education is to develop an understanding of designing, developing, operating, maintaining and managing marine engineering systems. It also involves developing an understanding of the operation of ships and other maritime facilities and safety under operational conditions.

Courses in Narrow Field 0317 Maritime Engineering and Technology develop skills in:

- constructing, maintaining and repairing the internal structure, steering gear and hull support systems of marine craft
- designing and developing marine engineering systems
- directing the movement of vessels and the stowage and discharge of cargoes
- operating, maintaining and managing marine engineering systems

This Narrow Field comprises the following Detailed Fields:

031701 Maritime Engineering

031703 Marine Construction

031705 Marine Craft Operation and Port Control

031799 Maritime Engineering and Technology n.e.c.

Exclusions:

- Designing floating, fixed or sub-sea offshore systems. This is included in Detailed Field 030913 Ocean Engineering.

### **031701 Maritime Engineering**

Maritime Engineering is the study of maintaining and operating shipboard machinery and systems. Examples of subjects in this Detailed Field include:

- marine machinery and control systems
- ship machinery and equipment inspection
- marine engineering systems maintenance and operation
- marine mechanics
- marine auxiliary equipment and systems

### **031703 Marine Construction**

Marine Construction is the study of fabricating, fitting out and repairing marine vessels and their structural components. Examples of subjects in this Detailed Field include:

- hull form and performance
- lofting procedures
- masts, frames, decking and fittings installation

- slipway operations

### **031705 Marine Craft Operation and Port Control**

Marine Craft Operation is the study of operating ships and other marine craft and their navigation and communication systems. Examples of subjects in this Detailed Field include:

- deck officer training
- marine radio communication
- navigation and navigational aids
- vessel maneuvering, handling and stability
- seamanship
- shipboard safety
- fishing operations
- harbour mastery

### **031799 Maritime Engineering and Technology n.e.c.**

This Detailed Field includes all Maritime Engineering and Technology not elsewhere classified. Examples of subjects in this Detailed Field include:

- naval architecture

## **0319 RAIL ENGINEERING AND TECHNOLOGY**

Rail Engineering and Technology is the study of planning, designing, developing, assembling and maintaining railway structures and systems. It includes operating and directing trains, trams, monorails. The main purpose of this Narrow Field of education is to develop an understanding of the research, design, development, manufacture, installation, operation, maintenance and management of railways. It also involves developing an understanding of the structural aspects of trains, train controls, and rail capability and safety under operational conditions.

Courses in Narrow Field 0319 Rail Engineering and Technology develop skills in:

- authorising train modifications, repairs and maintenance
- conducting diagnostic tests to determine the nature of train and tram malfunctions, and maintaining and servicing aircraft engines, train components and systems
- designing trains, carriages light rail and support equipment
- evaluating test flights to analyse performance and compliance to specifications and safety standards
- driving trains and controlling train movements

This Narrow Field comprises the following Detailed Fields:

031901 Railway Engineering

031903 Train and Light Rail Maintenance

031905 Rail Operations

031907 Railway Control

031999 Rail Engineering and Technology n.e.c.

### **031901 Railway Engineering**

Railway Engineering is the study of designing and constructing train and light rail systems including tracks, engines, carriages, trams and monorails. Examples of subjects in this Detailed Field include:

- [Not yet available]

**031903 Train and Light Rail Maintenance**

Train and Light Rail Maintenance is the study of maintaining and repairing all mechanical and electrical components of rail and light rail systems. Examples of subjects in this Detailed Field include:

- [Not yet available]

**031905 Rail Operations**

Rail Operations is the study of driving, shunting and marshalling trains. Examples of subjects in this Detailed Field include:

- train station operation
- track safety
- train examination
- principles of train management
- railway yard operation

**031907 Railway Control**

Railway Control is the study of coordinating safe and efficient railway operating activities. Examples of subjects in this Detailed Field include:

- points management
- railway safety

**031999 Rail Engineering and Technology n.e.c.**

This Detailed Field includes all Railway Engineering and Technology not elsewhere classified.

**0321 AGRICULTURAL ENGINEERING AND TECHNOLOGY**

Agricultural Engineering and Technology is the study of [definition not yet available].

Courses in Narrow Field 0321 Agricultural Engineering and Technology develop skills in:

- [Not yet available]

This Narrow Field comprises the following Detailed Fields:

032101 Farm Machinery

032199 Agricultural Engineering and Technology n.e.c.

**032101 Farm Machinery**

Farm machinery is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

**032199 Agricultural Engineering and Technology n.e.c.**

This Detailed Field includes all Agricultural Engineering and Related Technology not elsewhere classified.

### **0323 NUCLEAR ENGINEERING AND TECHNOLOGY**

Nuclear Engineering and Technology is the study of [definition not yet available].

Courses in Narrow Field 0323 Nuclear Engineering and Technology develop skills in:

- [Not yet available]

This Narrow Field comprises the following Detailed Fields:

032301 Mining Materials for Nuclear Purposes

032303 Nuclear Processing and Product Development

032305 Nuclear Safety and Regulations

032307 Nuclear Waste Management

032399 Nuclear Engineering and Technology n.e.c.

#### **032301 Mining Materials for Nuclear Purposes**

Mining Materials for Nuclear Purposes is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

#### **032303 Nuclear Processing and Product Development**

Nuclear Processing and Product Development is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

#### **032305 Nuclear Safety and Regulations**

Nuclear Safety and Regulations is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

#### **032307 Nuclear Waste Management**

Nuclear Waste Management is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

#### **032399 Nuclear Engineering and Technology n.e.c.**

This Detailed Field includes all Nuclear Engineering and Related Technology not elsewhere classified.

### **0399 OTHER ENGINEERING AND RELATED TECHNOLOGIES**

This Narrow Field includes all Engineering and Related Technologies not elsewhere classified. This Narrow Field comprises the following Detailed Fields:

039901 Environmental Engineering and Pollution Control

039903 Biomedical Engineering

039905 Mechatronics and Robotics

039907 Fire Technology

039909 Cleaning

039999 Engineering and Related Technologies n.e.c.

### **039901 Environmental Engineering and Pollution Control**

Environmental Engineering is the study of technology concerned with the mitigation of pollution, contamination and deterioration of the environment. Examples of subjects in this Detailed Field include:

- assessing water, air, land, noise, light and thermal pollution
- cleaner production
- erosion control and land rehabilitation technology
- noise, light and thermal control mechanisms in engineering projects
- waste minimisation
- waste management
- pollution regulation

Exclusions:

- Radioactive contamination. This is included in Detailed Field 032305 Nuclear Safety and Regulations.
- Environmental management. This is included in Detailed Field 050901 Lands, Parks and Wildlife Management.
- Legal solutions to pollution. This is included in Detailed Field 090913 Environmental Law.

### **039903 Biomedical Engineering**

Biomedical Engineering is the study of designing and manufacturing medical devices and equipment to assist in overcoming physical disabilities. Examples of subjects in this Detailed Field include:

- biocompatibility of intracorporeal and extracorporeal systems
- biomaterials
- designing imaging systems
- human rehabilitation engineering

Exclusions:

- Dental prosthetics. This is included in Detailed Field 060707 Dental Technology.
- Orthotic and prosthetic patient assessment and prescription of orthoses and prostheses. These are included in Detailed Field 061799 Rehabilitation Therapies n.e.c.

### **039905 Mechatronics and Robotics**

[Definition not yet available] Examples of subjects in this Detailed Field include:

- [Not yet available]

### **039907 Fire Technology**

Fire Technology is the study of fire detection, suppression and prevention methods and equipment. Examples of subjects in this Detailed Field include:

- fire detection, suppression and prevention
- fire fighting equipment and techniques
- fire hazards
- fire behaviour

### **039909 Cleaning**

Cleaning is the study of removing dirt and stains from, and maintaining and restoring clothing and fabrics, and domestic, industrial and commercial assets. Examples of subjects in this Detailed Field include:



- dry-cleaning
- dust reduction
- domestic cleaning
- laundry machine operation
- stains, spillages and grime removal techniques
- floor, glass and ceiling wet and dry cleaning

Exclusions:

- Education primarily related to occupational health and safety. This is included in Detailed Field 061301 Occupational Health and Safety.

**039999 Engineering and Related Technologies n.e.c.**

This Detailed Field includes all Engineering and Related Technologies not elsewhere classified.

## **04 ARCHITECTURE AND BUILDING**

Architecture and Building is the study of the art, science and techniques involved in designing, constructing, adapting and maintaining public, commercial, industrial and residential structures and landscapes. It includes the study of the art and science of designing and planning urban and regional environments.

The theoretical content of Broad Field 04 Architecture and Building includes:

- aesthetics and space dynamics
- building economics
- building science
- building techniques and technologies
- construction management
- architectural design and drawing
- town planning

The main purpose of this Broad Field of education is to develop an understanding of integrating structural and aesthetic elements in buildings and environments, and construction methods, techniques and materials.

This Broad Field comprises the following Narrow Fields:

0401 Architecture and Urban Environment

0403 Building

0499 Other Architecture and Building

### **0401 ARCHITECTURE AND URBAN ENVIRONMENT**

Architecture and Urban Environment is the study of the art and science of planning and designing public, commercial, industrial and residential buildings, and their interiors. It includes the study of planning and designing built environments. The main purpose of this Narrow Field of education is to develop an understanding of the structural, aesthetic, operational and environmental aspects of building design, and the interaction between humans and the built environment.

Courses in Narrow Field 0401 Architecture and Urban Environment develop skills in:

- monitoring construction to ensure compliance with specifications
- preparing architectural scale drawings and specifications for design and construction
- devising and recommending land use and development options

This Narrow Field comprises the following Detailed Fields:

040101 Architecture

040103 Urban Design and Regional Planning

040105 Landscape Architecture

040107 Interior Environmental Design

040199 Architecture and Urban Environment n.e.c.

#### **040101 Architecture**

Architecture is the study of the art, science and techniques of building design. It includes utilitarian ends, such as the soundness of the structure, the functional and economic efficiency of the building, and aesthetic considerations. Examples of subjects in this Detailed Field include:

- architectural construction and structures

- architectural rendering techniques
- architectural history and theory
- architectural design and practice
- international architectural heritage

### **040103 Urban Design and Regional Planning**

Urban Design and Regional Planning is the study of designing and planning towns and rural communities to meet the needs of the population. Examples of subjects in this Detailed Field include:

- community planning
- urban and regional planning principles
- urban design
- land use planning
- urban land development
- social impact assessment

### **040105 Landscape Architecture**

Landscape Architecture is the study of planning, designing and installing exterior environments with concern for functionality, practicality and human needs and requirements. It includes the design of parks and gardens integrated with the built environment. Examples of subjects in this Detailed Field include:

- landscape design
- landscape planning
- landscape structures
- planting design
- urban landscapes

### **040107 Interior and Environmental Design**

Interior and Environmental Design is the study of planning and designing interior environments of homes, offices, factories and other buildings with concern for functionality, practicality and human needs and requirements. Examples of subjects in this Detailed Field include:

- interior building design concepts
- user-centred design
- interior design material technologies

Exclusions:

- Ergonomics. This is included in Detailed Field 061301 Occupational Health and Safety.
- Heat, light and sound control. These are included in Detailed Field 030905 Building Services Engineering.

### **040199 Architecture and Urban Environment n.e.c.**

This Detailed Field includes all Architecture and Urban Environment not elsewhere classified. Examples of subjects in this Detailed Field include:

- building conservation

## **0403 BUILDING**

Building is the study of the science, technology and techniques of assembling, erecting and maintaining public, commercial, industrial and residential structures and their fittings. The main purpose of this Narrow Field of education is to develop an understanding of the functional aspects of construction, planning, development and management of buildings. It also involves developing the ability to examine and interpret building plans and specifications and to organise, cost and complete the tasks required in the construction and maintenance of buildings.

Courses in Narrow Field 0403 Building develop skills in:

- building construction
- determining the type and quantity of building materials required
- inspecting building work and materials for compliance with specifications, regulations and standards
- interpreting building plans, regulations and codes of practice

This Narrow Field comprises the following Detailed Fields:

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 n.e.c.

### **040301 Building Science and Technology**

Building Science and Technology is the study of the theories and techniques required to construct and maintain structures. Examples of subjects in this Detailed Field include:

- builders working drawings
- building maintenance and refurbishment
- facades and partitions

### **040303 Building Construction Management**

Building Construction Management is the study of planning and controlling building projects. Examples of subjects in this Detailed Field include:

- construction planning
- construction project control
- building site management

**040305 Building Surveying**

Building Surveying is the study of assessing the condition of buildings to ensure compliance with plans, specification and regulations and that proper techniques and materials have been used. Examples of subjects in this Detailed Field include:

- building assessment
- building codes and standards
- certification codes and practice

**040307 Building Construction Economics**

Building Construction Economics is the study of estimating quantities of materials and total costs involved in building and construction. Examples of subjects in this Detailed Field include:

- building project feasibility
- building cost estimation
- contractual arrangements costings
- quantity surveying

**040309 Bricklaying and Stonemasonry**

Bricklaying and Stonemasonry is the study of cutting, shaping, laying and joining bricks, stone and building blocks to construct and repair all types of masonry structures. Examples of subjects in this Detailed Field include:

- arch construction
- bricklaying techniques
- glass block construction
- stone inscription methods
- stone restoration and renovation
- stone veneer construction

Exclusions:

- Brick paving. This is included in Detailed Field 040399 Building n.e.c.

**040311 Carpentry and Joinery**

Carpentry and Joinery is the study of fabricating, assembling, installing, renovating and repairing doors, frames, formwork and other fittings in buildings. Examples of subjects in this Detailed Field include:

- formwork, framework and trusses
- stair construction
- window and door joinery

Exclusions:

- Furniture construction. This is included in Detailed Field 030113 Cabinet Making.

**040313 Ceiling, Wall and Floor Fixing**

Ceiling, Wall and Floor Fixing is the study of fixing tiles and lining materials to ceilings, walls and floors. It includes fixing cladding materials to external surfaces. Examples of subjects in this Detailed Field include:

- tile cutting
- tiling wet areas
- wall cladding and lining

Exclusions:

- Fixing fibrous sheets and applying plaster. These are included in Detailed Field 040317 Plastering.
- Timber flooring. This is included in Detailed Field 040321 Floor Coverings.

### **040315 Roof Fixing**

Roof Fixing is the study of covering structures with roof tiles, shingles and other materials to form a waterproof surface. Examples of subjects in this Detailed Field include:

- roofing claddings
- slate, shingle, concrete and metal roof tiles
- roof tiling and slating procedures

### **040317 Plastering**

Plastering is the study of fixing fibrous sheets and applying plaster, cement-based and similar materials to ceilings, interior and exterior walls of buildings and the study of making plasterboard and plaster mouldings. Examples of subjects in this Detailed Field include:

- decorative plaster finishes
- fibrous plasterwork
- rendering and moulding

### **040319 Furnishing Installation**

Furnishing Installation is the study of measuring and installing curtains, blinds, awnings and other soft furnishings. Examples of subjects in this Detailed Field include:

- curtain fitting
- awning installation techniques
- blinds measurement

### **040321 Floor Coverings**

Floor Coverings is the study of measuring and laying parquetry, carpet, cork, linoleum, vinyl and other resilient floor coverings. Examples of subjects in this Detailed Field include:

- floor covering techniques
- carpet layout measuring and marking
- parquetry and timber floor surfacing

### **040323 Glazing**

Glazing is the study of installing and maintaining glass panes, mirrors and windscreens. Examples of subjects in this Detailed Field include:

- decorative glass finishes
- leadlighting and stained glass
- silvering
- windscreen glazing

### **040325 Painting, Decorating and Sign Writing**

Painting, Decorating and Sign Writing is the study of applying paint, varnish and paper finishes to decorate and protect interior and exterior surfaces. It includes the study of designing and painting signs. Examples of subjects in this Detailed Field include:

- painting and decorating techniques
- paint and wallpaper application

- sign writing techniques

Exclusions:

- Painting motor vehicles. This is included in Detailed Field 030507 Automotive Vehicle Refinishing.

### **040327 Plumbing**

Plumbing is the study of designing, installing, maintaining and repairing pipelines, fixtures, fittings and related equipment for water, steam, gas, sewage and other liquids in residential, public commercial and industrial establishments. Examples of subjects in this Detailed Field include:

- gas fitting
- fire sprinkler systems
- pipe joint techniques and fittings
- roof plumbing

### **040329 Scaffolding and Rigging**

Scaffolding and Rigging is the study of erecting and dismantling modular scaffolding and rigging. Examples of subjects in this Detailed Field include:

- mast climbers
- safety nets and static lines
- suspended scaffolds
- flying foxes and cableways
- natural and synthetic ropes

### **040399 Building n.e.c.**

This Detailed Field includes all Building not elsewhere classified. Examples of subjects in this Detailed Field include:

- dogging
- steel fixing
- brick paving

## **0499 OTHER ARCHITECTURE AND BUILDING**

This Narrow Field includes all Architecture and Building not elsewhere classified. This Narrow Field comprises the following Detailed Fields:

049999 Architecture and Building n.e.c.

### **049999 Architecture and Building n.e.c.**

This Detailed Field includes all Architecture and Building not elsewhere classified.

## **05 AGRICULTURE, ENVIRONMENTAL AND RELATED STUDIES**

Agriculture, Environmental and Related Studies is the study of the theory and practice of breeding, growing, gathering, reproducing and caring for plants and animals. It includes the study of the interaction between people and the environment and the application of scientific principles to the environment to protect it from deterioration.

The theoretical content of Broad Field 05 Agriculture, Environmental and Related Studies includes:

- crop production
- animal production and management
- environmental impact and assessment
- forest resource management
- soil and water conservation
- aquatic resource management

The main purpose of this Broad Field of education is to develop an understanding of the management and use of natural resources, and the production of primary agricultural products.

This Broad Field comprises the following Narrow Fields:

0501 Agriculture

0503 Horticulture

0505 Plant Health

0507 Forestry Studies

0509 Fisheries Studies

0511 Environmental Studies

0599 Other Agriculture, Environmental and Related Studies

Exclusions:

- Botany. This is included in Detailed Field 010903 Botany.
- Veterinary science. This is included in Narrow Field 0611 Veterinary Studies.

### **0501 AGRICULTURE**

Agriculture is the study of growing, maintaining and harvesting non-intensively managed crops and pastures, and breeding, grazing and managing animals. It includes the study of farming and producing unprocessed plant and animal products. The main purpose of this Narrow Field of education is to develop an understanding of livestock reproduction, the production of primary plant and animal products, and the theory and practice of farming. It also involves developing an ability to utilize current agricultural technology, techniques and practices.

Courses in Narrow Field 0501 Agriculture develop skills in:

- analysing current and future market conditions to determine which crops are grown and/or livestock raised
- identifying environmental factors affecting flock and herd health and productivity

This Narrow Field comprises the following Detailed Fields:

050101 Agricultural Science

050103 Wool Science

050105 Animal Husbandry

050199 Agriculture n.e.c.



Exclusions:

- Agricultural economics. This is included in Detailed Field 091901 Economics.
- Farm management and agribusiness. These are included in Detailed Field 080325 Farm Management and Agribusiness.
- Plant diseases and pests. This is included in Detailed Field 050501 Plant Pathology.

### **050101 Agricultural Science**

Agricultural Science is the study of the non-intensive farming of animals and plants. Examples of subjects in this Detailed Field include:

- broadacre production
- cropping and grazing systems
- dairying
- dryland farming systems
- agronomy / crop science

Exclusions:

- Vegetable gardening. This is included in Detailed Field 050301 Horticulture.

### **050103 Wool Science**

Wool Science is the study of producing, handling and classing wool and other fleece. Examples of subjects in this Detailed Field include:

- fleece characteristics
- fleece producing animals
- wool identification, classification and handling
- greasy wool impurities
- shearing

### **050105 Animal Husbandry**

Animal Husbandry is the study of the intensive management of animals, their training, handling, care, breeding and rearing. Examples of subjects in this Detailed Field include:

- animal grooming
- artificial insemination and other breeding techniques
- beekeeping
- animal hygiene and nutrition
- zookeeping
- equine management

### **050199 Agriculture n.e.c.**

This Detailed Field includes all Agriculture not elsewhere classified. Examples of subjects in this Detailed Field include:

- agricultural extension

## **0503 HORTICULTURE**

Horticulture is the study of cultivating, propagating and producing intensively managed crops such as fruits, vegetables, flowers, trees, shrubs and plants. The main purpose of this Narrow Field of education is to develop an understanding of the factors affecting plant propagation, growth and physiology. It also involves developing an ability to utilise current horticultural technology, principles and practices.

Courses in Narrow Field 0503 Horticulture develop skills in:

- establishing and maintaining turf surfaces for various sporting and recreational facilities
- planting, pruning and maintaining shrubs, trees and vines
- propagating, cultivating and harvesting intensively managed crops

This Narrow Field comprises the following Detailed Fields:

050301 Horticulture

Exclusions:

- Maintaining and managing nature parks. This is included in Detailed Field 050901 Lands, Parks and Wildlife Management.
- Plant diseases and the effect of insects. These are included in Detailed Field 050501 Plant Pathology.

### **050301 Horticulture**

Horticulture is the study of cultivating, propagating and producing intensively managed crops such as fruits, vegetables, flowers, foliage, trees, shrubs and plants. Examples of subjects in this Detailed Field include:

- arboriculture
- plant culture and garden maintenance
- horticultural nursery practice
- plant propagation
- hydroponics and aeroponics
- greenkeeping
- viticulture

Exclusions:

- Garden design. This is included in Detailed Field 040105 Landscape Architecture.

### **050399 Horticulture n.e.c.**

This Detailed Field includes all Horticulture not elsewhere classified.

## **0505 PLANT HEALTH**

Plant Health is the study of maintaining and restoring the physical wellbeing of plants.

Courses in Narrow Field 0505 Plant Health develop skills in:

- identifying, managing and/or eradicating plant diseases
- identifying, managing and/or eradicating insects harmful to plants
- identifying and eradicating weeds and other noxious vegetation.

This Narrow Field comprises the following Detailed Fields:

050501 Plant Pathology

050503 Weed Control

050599 Plant Health n.e.c.

### **050501 Plant Pathology**

Plant Pathology is the study of controlling noxious animals and insects. Examples of subjects in this Detailed Field include:

- plant disease identification and control

- pest detection, identification and control
- fumigation techniques
- plant protection programs

Exclusions:

- Entomology. This is included in Detailed Field 010915 Zoology.

### **050503 Weed Control**

Weed Control is the study of controlling noxious plants and fungi. Examples of subjects in this Detailed Field include:

- weed identification and control

### **050599 Plant Health n.e.c.**

This Detailed Field includes all Plant Health not elsewhere classified.

## **0507 FORESTRY STUDIES**

Forestry Studies is the study of establishing, cultivating, harvesting and managing forests. The main purpose of this Narrow Field of education is to develop an understanding of sustainable forest management, and the establishment and maintenance of forest farms.

Courses in Narrow Field 0505 Forestry Studies develop skills in:

- assessing current forest resources and estimating future demand
- designing coupes and planning broadscale harvesting operations
- identifying, classifying and measuring trees and forests
- managing post-harvest rehabilitation programs

This Narrow Field comprises the following Detailed Field:

050501 Forestry Studies / Silviculture

### **050701 Forestry Studies / Silviculture**

Forestry Studies is the study of establishing, cultivating, harvesting and managing forests. Examples of subjects in this Detailed Field include:

- forest cultivation and maintenance
- forest management
- forest mensuration and inventory
- timber harvesting

### **050799 Forestry Studies n.e.c.**

This Detailed Field includes all Forestry Studies not elsewhere classified.

## **0509 FISHERIES STUDIES**

Fisheries Studies is the study of breeding, rearing, harvesting, handling, and managing fish and other aquatic resources. The main purpose of this Narrow Field of education is to develop an understanding of sustainable fisheries management and commercial fisheries operations.

Courses in Narrow Field 0509 Fisheries Studies develop skills in:

- harvesting and handling fish and other aquatic resources
- monitoring and maintaining water quality
- identifying, preventing and controlling diseases of aquatic resources
- monitoring and ensuring compliance with fisheries regulations and standards

This Narrow Field comprises the following Detailed Fields:

050901 Aquaculture

050903 Fisheries Technology

050999 Fisheries Studies n.e.c.

Exclusions:

- Operating fishing vessels. This is included in Detailed Field 031705 Marine Craft Operation.

### **050901 Aquaculture**

Aquaculture is the study of breeding, rearing, harvesting, handling and processing fish and other aquatic resources. Examples of subjects in this Detailed Field include:

- feeding and maintaining aquatic stock
- principles of aquaculture production
- stocking and sampling fisheries

### **050903 Fisheries Technology**

[Definition not yet available]. Examples of subjects in this Detailed Field include:

- fishing equipment maintenance
- [Not yet available]

### **050999 Fisheries Studies n.e.c.**

This Detailed Field includes all Fisheries Studies not elsewhere classified. Examples of subjects in this Detailed Field include:

- fisheries regulation

## **0511 ENVIRONMENTAL STUDIES**

Environmental Studies is the study of the relationships between living organisms and the natural, rural, industrial and urban environments. It includes the study of the impact humans have upon the natural environment. The main purpose of this Narrow Field of education is to develop an understanding of the scientific aspects of the environment and the procedures required to establish an environmentally sustainable society. It also involves developing an understanding of how physical, economic, social and technological factors effect the environment.

Courses in Narrow Field 0511 Environmental Studies develop skills in:

- applying the principles and practices of managing natural ecosystems
- assessing the impact of humans on the environment
- preparing environmental impact statements
- identifying, evaluating and analysing environmental issues of current and future significance

This Narrow Field comprises the following Detailed Fields:

051101 Land, Parks and Wildlife Management  
051199 Environmental Studies n.e.c.

### **051101 Land, Parks and Wildlife Management**

Land, Parks and Wildlife Management is the study of managing land, parkland, marine and coastal zone parks, and wildlife. Examples of subjects in this Detailed Field include:

- desertification
- flora and fauna management
- land and water management
- land rehabilitation
- natural resource inventory and appraisal

### **051199 Environmental Studies n.e.c.**

This Detailed Field includes all Environmental Studies not elsewhere classified. Examples of subjects in this Detailed Field include:

- environmental impact assessment
- environmental science
- land conservation
- soil conservation

Exclusions:

- Pollution. This is included in Detailed Field 039901 Environmental Engineering and Pollution Control.

## **0599 OTHER AGRICULTURE, ENVIRONMENTAL AND RELATED STUDIES**

This Narrow Field includes all Agriculture, Environmental and Related Studies not elsewhere classified.

This Narrow Field comprises the following Detailed Fields:  
059999 Agriculture, Environmental and Related Studies n.e.c.

### **059999 Agriculture, Environmental and Related Studies n.e.c.**

This Detailed Field includes all Agriculture, Environmental and Related Studies not elsewhere classified. Examples of subjects in this Detailed Field include:

- irrigation

## 06 HEALTH

Health is the study of maintaining and restoring the physical and mental wellbeing of humans and animals.

The theoretical content of Broad Field 06 Health includes:

- disease processes and mechanisms
- restoration and maintenance of health
- diagnosis
- principles and practices of public health

The main purpose of this Broad Field of education is to develop an understanding of the principles and practices of identifying, treating, controlling and preventing injury and disease. It is also involves developing an understanding of the principles and practices of providing preventative, curative, rehabilitative and palliative care.

This Broad Field comprises the following Narrow Fields:

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

Exclusions:

- Medical science. This is included in Detailed Field 019901 Medical Science.

### 0601 MEDICAL STUDIES

Medical Studies is the study of the principles and procedures used in preventing, diagnosing, caring for and treating illness, disease and injury in humans, and the maintenance of general health. The main purpose of this Narrow Field of education is to develop an understanding of disease processes and mechanisms, the structure and function of the human body and mind, the restoration and maintenance of health, immune defences of the body, pain control, human behaviour and medical ethics. It also involves developing an ability to assess and evaluate clinical observations to arrive at diagnoses and determine appropriate courses of action.

Courses in Narrow Field 0601 Medical Studies develop skills in:

- assessing patients' psychological, physical and emotional states
- carrying out procedures and dealing with medical emergencies
- examining specimens to determine the origin, nature and course of any disease present
- monitoring progress of patients
- practising professional responsibility in relation to individuals and the community

This Narrow Field comprises the following Detailed Fields:

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 n.e.c.

Exclusions:

- Medical science. This is included in Detailed Field 019901 Medical Science.

### **060101 General Medicine**

General Medicine is the study of the clinical presentation and treatment of diseases. Examples of subjects in this Detailed Field include:

- clinical diagnosis
- diseases affecting humans

### **060103 Surgery**

Surgery is the study of the medical specialisation concerned with principles and practices for treating diseases, injuries, defects and deformities by manual operation and manipulation, and by using instruments and appliances. Examples of subjects in this Detailed Field include:

- post-operative patient progress monitoring
- surgical diagnosis
- surgical procedures and techniques

Exclusions:

- Oral surgery. This is included in Detailed Field 060701 Dentistry.
- Veterinary surgery. This is included in Detailed Field 061101 Veterinary Science.

### **060105 Psychiatry**

Psychiatry is the study of the medical specialisation concerned with diagnosing, preventing and treating diseases and disorders of the mind. Examples of subjects in this Detailed Field include:

- patient's psychiatric state assessment
- child psychiatry
- developmental psychiatry
- psychiatric syndromes and phenomena

### **060107 Obstetrics and Gynaecology**

Obstetrics and Gynaecology is the study of the medical specialisation concerned with the care of women during pregnancy, labour and after childbirth, and the prevention, diagnosis and treatment of diseases of the female reproductive system. Examples of subjects in this Detailed Field include:

- foetal development
- gynaecological and obstetric conditions treatment
- female reproductive system diseases

**060109 Paediatrics**

Paediatrics is the study of the medical specialisation concerned with normal physical growth and development from birth through to late adolescence. It includes preventing, diagnosing and treating diseases and uncommon disorders in children and adolescents. Examples of subjects in this Detailed Field include:

- physical growth and development of children
- child and adolescent diseases
- neonatology

**060111 Anaesthesiology**

Anaesthesiology is the study of the medical specialization concerned with administering drugs and other substances to achieve lack of sensation with or without loss of consciousness. Examples of subjects in this Detailed Field include:

- administering anaesthetics
- regional analgesia
- anaesthetic reactions

**060113 Pathology**

Pathology is the study of the medical specialisation concerned with the causes and effects of diseases, including the structural and functional changes of body organs, tissues and fluids, and the systematic methods of detecting these changes. Examples of subjects in this Detailed Field include:

- disease origin, nature and course
- histopathology
- pathology tests interpretation and evaluation
- post-mortem examination

**060115 Radiology**

Radiology is the study of the medical specialisation concerned with using radioactive substances, X-rays and other ionizing radiation to diagnose, treat and follow the course of disease and its response to treatment. Examples of subjects in this Detailed Field include:

- medical images interpretation and evaluation
- nuclear medicine
- tumour radiation treatment

**060117 Internal Medicine**

Internal Medicine is the study of the medical specialization concerned with the diagnosis and non-surgical treatment of diseases and disorders of specific bodily structures and functions. Examples of subjects in this Detailed Field include:

- endocrinological medicine
- gastroenterological medicine
- thoracic medicine
- clinical immunology
- clinical haematology

**060119 General Practice**

General Practice is the study of providing primary and continuing medical care to patients in a community setting. It is particularly concerned with providing family and community oriented health care. Examples of subjects in this Detailed Field include:



- early diagnosis
- medication prescription and administration
- primary, personal and continuing medical care

### **060199 Medical Studies n.e.c.**

This Detailed Field includes all Medical Studies not elsewhere classified. Examples of subjects in this Detailed Field include:

- dermatology
- oncology
- ophthalmology

### **0603 NURSING**

Nursing is the study of the principles and practices of providing general and specialised preventative, curative, rehabilitative and palliative care to individuals and groups. It includes the study of the structure and function of the human body and mind, the restoration and maintenance of health, pain control, human behaviour and nursing ethics. The main purpose of this Narrow Field of education is to develop an understanding of the health and wellbeing of individuals and groups. It also involves developing an understanding of professional responsibility in relation to individuals, the community and other health professionals.

Courses in Narrow Field 0603 Nursing develop skills in:

- assessment and identification of health care needs
- developing skills in health problem identification and clinical decision making
- developing skills in planning, implementing and evaluating nursing care provided to individuals and groups

This Narrow Field comprises the following Detailed Fields:

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 Family and Child Health Nursing  
 060399 Nursing n.e.c.

Exclusions:

- Veterinary nursing. This is included in Detailed Field 061103 Veterinary Assisting.
- Dental nursing. This is included in Detailed Field 060705 Dental Assisting.

### **060301 General Nursing**

General Nursing is the study of the principles and practices of providing preventative, curative and rehabilitative care to individuals and groups. Examples of subjects in this Detailed Field include:

- health status analysis and interpretation
- nursing care in a variety of settings
- nursing practice

**060303 Midwifery**

Midwifery is the study of the principles and practices of providing care for women during pregnancy, birthing and after childbirth and for caring for the new-born. It includes assisting parents and families during childbearing. Examples of subjects in this Detailed Field include:

- pregnancy and post-natal period parent education and counselling
- breastfeeding education
- professional aspects of midwifery

**060305 Mental Health Nursing**

Mental Health Nursing is the study of the nursing specialisation concerned with caring for persons with mental health problems. Examples of subjects in this Detailed Field include:

- acute and chronic mental disorder patient care
- post acute phase patient rehabilitation
- primary health care for mental health
- mental health nursing practice

**060307 Community Nursing**

Community Nursing is the study of the nursing specialization concerned with caring for individuals and groups in the community. Examples of subjects in this Detailed Field include:

- community nursing assessment
- community nursing program development

**060309 Critical Care Nursing**

Critical Care Nursing is the study of the nursing specialization concerned with the theory and practice of caring for patients requiring intensive therapy. Examples of subjects in this Detailed Field include:

- post-operative advanced life support
- intensive care nursing
- neonatal intensive care nursing

**060311 Aged Care Nursing**

Aged Care Nursing is the study of the nursing specialization concerned with the theory and practice of caring for elderly patients. Examples of subjects in this Detailed Field include:

- health problems of the ageing patient
- nursing elderly patients
- gerontic nursing practices

**060313 Palliative Care Nursing**

Palliative Care Nursing is the study of the nursing specialisation concerned with caring for the terminally ill and their families. Examples of subjects in this Detailed Field include:

- pain and symptom control in the terminally ill
- respite care

**060315 Family and Child Health Nursing**

Family and Child Health Nursing is the study of the nursing specialisation concerned with the theory and practice of caring for young children and their families. Examples of subjects in this Detailed Field include:

- nursing care of infants and young children

- paediatric nursing practice

**060399 Nursing n.e.c.**

This Detailed Field includes all Nursing not elsewhere classified. Examples of subjects in this Detailed Field include:

- cancer nursing
- nephrology

**0605 PHARMACY**

Pharmacy is the study of the preparation and dispensing of drugs. The main purpose of this Narrow Field of education is to develop an understanding of the properties of drugs and medicinal products and their manufacture, control and use in the community and in hospitals.

Courses in Narrow Field 0605 Pharmacy develop skills in:

- preparing and dispensing medications to patients with regard to legal, therapeutic and professional requirements
- providing information and advising patients and the general community on drugs and medications

This Narrow Field comprises the following Detailed Field:

060501 Pharmacy

Exclusions:

- Pharmacology. This is included in Detailed Field 019907 Pharmacology.

**060501 Pharmacy**

Pharmacy is the study of the preparation and dispensing of drugs. Examples of subjects in this Detailed Field include:

- dosage
- pharmaceutical calculations
- pharmacy administration and practice
- pharmaceuticals

**060599 Pharmacy n.e.c.**

This Detailed Field includes all Pharmacy not elsewhere classified.

**0607 DENTAL STUDIES**

Dental Studies is the study of diagnosing, treating and preventing diseases and abnormalities of the teeth and adjacent tissues. It includes the study of designing, making and repairing dental prostheses and orthodontic appliances, and assisting with dental procedures. The main purpose of this Narrow Field of education is to develop an understanding of dental health, hygiene and technology, the prevention and treatment of disease, pain control, the structure and function of teeth and gums, and client care during treatment. It also involves developing an ability to assess and evaluate clinical observations to arrive at diagnoses and determine the appropriate courses of action.

Courses in Narrow Field 0607 Dental Studies develop skills in:

- designing, making and repairing dental prostheses and orthodontic appliances
- educating patients about dental health and oral hygiene
- filling cavities, extracting teeth, constructing inlays and crowns, performing bridge work, fitting dentures and other appliances
- maintaining and preparing dental materials and equipment
- using dental instruments and equipment

This Narrow Field comprises the following Detailed Fields:

060701 Dentistry

060703 Dental Hygiene

060705 Dental Assisting

060707 Dental Technology

060799 Dental Studies n.e.c.

### **060701 Dentistry**

Dentistry is the study of diagnosing, treating and preventing diseases of the teeth and adjacent tissues. It includes correcting malocclusion and restoring and replacing missing dental and oral structures. Examples of subjects in this Detailed Field include:

- orthodontic appliance fitting
- inlays and artificial crowns
- cavity detection and filling
- teeth extraction
- denture fitting
- dental instruments and equipment
- oral surgery

### **060703 Dental Hygiene**

Dental Hygiene is the study of healthy teeth maintenance. Examples of subjects in this Detailed Field include:

- basic dental procedures
- teeth cleaning

### **060705 Dental Assisting**

Dental Assisting is the study of providing assistance to dentists in clinical settings. Examples of subjects in this Detailed Field include:

- basic dental procedure assistance
- dental materials and equipment care
- dental records handling

### **060707 Dental Technology**

Dental Technology is the study of designing, making and repairing dental prostheses and orthodontic appliances. Examples of subjects in this Detailed Field include:

- dental laboratory methodology
- dental repairs and relines
- dental materials science

### **060799 Dental Studies n.e.c.**

This Detailed Field includes all Dental Studies not elsewhere classified. Examples of subjects in this Detailed Field include:

- dental radiography

## **0609 OPTICAL SCIENCE**

Optical Science is the study of measuring and assessing vision, and prescribing, preparing and dispensing corrective lenses. The main purpose of this Narrow Field of education is to develop an understanding of the physiology of the eye, the operation of vision testing apparatus, and prescribing, preparing and dispensing visual aids. It also involves developing an ability to assess and evaluate clinical observations to arrive at diagnoses and determine the appropriate courses of action.

Courses in Narrow Field 0609 Optical Science develop skills in:

- advising patients on eye exercises, lighting and visual habits
- operating vision testing apparatus
- performing examinations and visual tests to assess the nature and extent of vision problems and abnormalities
- prescribing, preparing and dispensing visual aids

This Narrow Field comprises the following Detailed Fields:

060901 Optometry

060903 Optical Technology

060999 Optical Science n.e.c.

### **060901 Optometry**

Optometry is the study of measuring and assessing vision, and prescribing lenses for visual correction. Examples of subjects in this Detailed Field include:

- vision testing apparatus operation
- ocular diseases and treatment
- vision testing
- visual aids prescription

Exclusions:

- Ophthalmology. This is included in Detailed Field 060103 Surgery.
- Orthoptics. This is included in Detailed Field 061799 Rehabilitation Therapies n.e.c.

### **060903 Optical Technology**

Optical Technology is the study of preparing and dispensing corrective lenses according to prescription. Examples of subjects in this Detailed Field include:

- lens design
- lens surfacing
- multifocal lenses

### **060999 Optical Science n.e.c.**

This Detailed Field includes all Optical Science not elsewhere classified.

## **0611 VETERINARY STUDIES**

Veterinary Studies is the study of identifying, preventing and treating disease and injury in animals, and their general veterinary care. The main purpose of this Narrow Field of

education is to develop an understanding of normal growth, development and functioning of animals including their nutritional needs, behaviour, breeding and care, and an understanding of principles and procedures used in the diagnosis, treatment, control and prevention of illness, disease and injury in animals. It also involves developing an ability to assess and evaluate clinical observations to arrive at diagnoses and determine the appropriate courses of action.

Courses in Narrow Field 0611 Veterinary Studies develop skills in:

- administering anaesthetics to animals
- administering and prescribing drugs and treatments to animals
- applying medical and surgical procedures to animals
- advising clients about the care of animals
- assisting with treating and caring for animals
- diagnosing and treating as a result of evaluating and interpreting clinical observations and tests
- observing, monitoring and reporting changes in an animal's condition

This Narrow Field comprises the following Detailed Fields:

061101 Veterinary Science

061103 Veterinary Assisting

061199 Veterinary Studies n.e.c.

### **061101 Veterinary Science**

Veterinary Science is the study of diagnosing and treating animal diseases, ailments and injuries, and preventing and containing the spread of animal diseases. Examples of subjects in this Detailed Field include:

- veterinary pathology
- animal health
- medical and surgical procedures on animals

### **061103 Veterinary Assisting**

Veterinary Assisting is the study of caring for sick, injured and infirm animals undergoing treatment in veterinary clinics. Examples of subjects in this Detailed Field include:

- animal care and treatment assistance
- veterinary surgery preparation
- post-operative animal care and monitoring
- veterinary nursing practical skills

### **061199 Veterinary Studies n.e.c.**

This Detailed Field includes all Veterinary Studies not elsewhere classified.

## **0613 PUBLIC HEALTH**

Public Health is the study of the principles and practices of protecting, promoting, maintaining and restoring the health of the community. The main purpose of this Narrow Field of education is to develop an understanding of the goals of public health including the promotion of health and the prevention of disease, premature death and disease-induced discomfort and disability in the population. It also involves developing an understanding of environmental factors affecting health.

Courses in Narrow Field 0613 Public Health develop skills in:

- advising on measures to reduce injury and disease
- educating the community on health risks, safety procedures and techniques
- evaluating, observing and recognising factors which may cause illness in the workplace and the community

This Narrow Field comprises the following Detailed Fields:

061301 Occupational Health and Safety

061303 Environmental Health

061305 Women's Health

061307 Health Promotion

061309 Community Health

061311 Epidemiology

061399 Public Health n.e.c.

### **061301 Occupational Health and Safety**

Occupational Health and Safety is the study of recognising, evaluating and controlling environmental factors associated with the interaction of individuals and the workplace. Examples of subjects in this Detailed Field include:

- principles of health and safety in the workplace
- national occupational health and safety standards
- workplace health and safety programs
- hazard management
- ergonomics

### **061303 Environmental Health**

Environmental Health is the study of recognising, evaluating and controlling environmental factors affecting public health. Examples of subjects in this Detailed Field include:

- environmental pollution effects on health
- communicable disease management systems
- food-borne disease prevention techniques
- public hygiene

### **061305 Women's Health**

Women's Health is the study of the health of the female population within the broader context of socio-economic development of women. Examples of subjects in this Detailed Field include:

- women's fitness and lifestyle
- managing menstruation and menopause
- contraception
- managing pregnancy
- breast care
- postpartum depression
- women's health public policy

### **061307 Health Promotion**

Health Promotion is the study of promoting a healthy lifestyle and influencing behaviour to improve health. Examples of subjects in this Detailed Field include:

- health promotion program planning
- health promotion principles, goals and concepts

- social perspectives of health
- health promotion strategies and evaluation

### **061309 Community Health**

Community Health is the study of health practices in the community which support and assist the management of disabilities and illness. Examples of subjects in this Detailed Field include:

- current issues in Omani community health
- disabilities and illnesses as community issues

### **061311 Epidemiology**

Epidemiology is the study of the incidence, distribution and possible control of infectious and chronic diseases as they affect groups of people. Examples of subjects in this Detailed Field include:

- disease and injury evaluation and surveillance
- infectious and chronic disease prevention

### **061399 Public Health n.e.c.**

This Detailed Field includes all Public Health not elsewhere classified. Examples of subjects in this Detailed Field include:

- social health
- tropical medicine
- infection control

## **0615 RADIOGRAPHY**

Radiography is the study of technologies which use ionising and non-ionising (e.g. ultrasound) radiation for producing diagnostic images and administering radiation therapy. The main purpose of this Narrow Field of education is to develop an understanding of the principles and practice of radiographic imaging and treatment.

Courses in Narrow Field 0615 Radiography develop skills in:

- calculating duration and intensity of radiation doses
- positioning patients, screens and equipment accurately
- preparing radioactive materials and operating imaging equipment

This Narrow Field comprises the following Detailed Field:

061501 Radiography

### **061501 Radiography**

Radiography is the study of technologies which use ionizing and non-ionising (e.g. ultrasound) radiation for producing diagnostic images and administering radiation therapy. Examples of subjects in this Detailed Field include:

- medical imaging equipment operation
- radioactive materials preparation
- radiation exposure factors
- radiographic examination methods
- radiological dosimetry



**Exclusions:**

- Developing diagnostic imaging systems. This is included in Detailed Field 039903 Biomedical Engineering.
- Radiology. This is included in Detailed Field 060115 Radiology.
- Dental radiography. This is included in Detailed Field 060799 Dental Studies n.e.c.

**061599 Radiography n.e.c.**

This Detailed Field includes all Radiography not elsewhere classified.

**0617 REHABILITATION THERAPIES**

Rehabilitation Therapies is the study of the practices and principles that restore a person to an optimal quality of life. It includes treating individuals so that they can return to normal duties after being affected by accident or disease. The main purpose of this Narrow Field of education is to develop an understanding of normal and abnormal movement and mobility, and the musculoskeletal, neurological and cardiopulmonary systems. It also involves developing an understanding of the principles and practice of rehabilitation using a variety of activities, and the development of speech and its interrelationship with language and personality development.

Courses in Narrow Field 0617 Rehabilitation Therapies develop skills in:

- evaluating and interpreting a patient's emotional, psychological, developmental and physical capabilities
- monitoring and recording patients' activities, responses and progress
- planning and administering treatment programs on individual and group bases
- selecting appropriate forms of therapy, and advising and instructing on the use of aids
- teaching, assisting and monitoring a patient's progress in learning or relearning the skills of normal function

This Narrow Field comprises the following Detailed Fields:

061701 Physiotherapy  
 061703 Occupational Therapy  
 061705 Chiropractic and Osteopathy  
 061707 Speech Pathology  
 061709 Audiology  
 061711 Massage Therapy  
 061713 Podiatry  
 061799 Rehabilitation Therapies n.e.c.

**061701 Physiotherapy**

Physiotherapy is the study of assessing people with temporary and longer term physical injuries and movement disorders, and restoring maximum movement and functional ability.

Examples of subjects in this Detailed Field include:

- electrotherapy and electrophysical agents
- movement training and rehabilitation
- normal and abnormal musculoskeletal function

**061703 Occupational Therapy**

Occupational Therapy is the study of treating physical, cognitive and psychiatric conditions through activities in order to optimise functioning and independence in daily life. Examples of subjects in this Detailed Field include:

- patient's independence level assessment
- tailoring treatment programs
- occupational rehabilitation
- occupational role development

**061705 Chiropractic and Osteopathy**

Chiropractic and Osteopathy is the study of assessing and relieving disorders of the body through manipulating and treating the musculoskeletal system. Examples of subjects in this Detailed Field include:

- posture, and preventative and corrective exercises
- manipulation and adjustment

**061707 Speech Pathology**

Speech Pathology is the study of assessing and treating speech and language disorders. Examples of subjects in this Detailed Field include:

- communicative functioning assessment and evaluation
- stuttering, abnormal articulation and other verbal disorders
- remedial exercise programs
- language and voice disorders

**061709 Audiology**

Audiology is the study of assessing and treating hearing disorders. Examples of subjects in this Detailed Field include:

- audiometry
- fitting hearing aids
- testing for hearing loss

**061711 Massage Therapy**

Massage Therapy is the study of treating disorders through massage of the soft tissue. Examples of subjects in this Detailed Field include:

- reflexology
- postural massage techniques
- deep tissue techniques

**061713 Podiatry**

Podiatry is the study of assessing and treating physical ailments of the human foot and lower limb. Examples of subjects in this Detailed Field include:

- foot and lower limb abnormalities
- podiatric appliances
- foot and gait disorders

**061799 Rehabilitation Therapies n.e.c.**

This Detailed Field includes all Rehabilitation Therapies not elsewhere classified. Examples of subjects in this Detailed Field include:

- diversional therapy
- exercise rehabilitation
- orthoptics
- orthotics and prosthetics

## **0619 COMPLEMENTARY THERAPIES**

Complementary Therapies is the study of the prevention and treatment of health problems using natural and traditional remedies. The main purpose of this Narrow Field of education is to develop an understanding of the importance of diet, exercise and lifestyle factors which influence health and wellbeing, the use of natural substances and acupressure to heal disease, and professional responsibility in relation to individuals and the community.

Courses in Narrow Field 0619 Complementary Therapies develop skills in:

- diagnosing diseases and prescribing natural remedies
- advise clients of natural treatment options

This Narrow Field comprises the following Detailed Fields:

061901 Naturopathy

061903 Acupuncture

061905 Traditional Chinese Medicine

061999 Complementary Therapies n.e.c.

### **061901 Naturopathy**

Naturopathy is the study of treating diseases using natural therapies. Examples of subjects in this Detailed Field include:

- pharmacognosy
- herbal medicine
- phytotherapy
- naturopathic diagnosis

### **061903 Acupuncture**

Acupuncture is the study of treating diseases through influencing points on meridians using fine needles. Examples of subjects in this Detailed Field include:

- acupuncture therapy
- channels and points
- identification of acupuncture sites
- acupressure

### **061905 Traditional Chinese Medicine**

Traditional Chinese Medicine is the study of treating diseases through traditional Chinese therapies. Examples of subjects in this Detailed Field include:

- Chinese herbal medicine
- Chinese therapies
- moxibustion
- patterns of disharmony
- pharmacognosy of Chinese herbs

**061999 Complementary Therapies n.e.c.**

This Detailed Field includes all Complementary Therapies not elsewhere classified. Examples of subjects in this Detailed Field include:

- aromatherapy
- homeopathy
- iridology
- kinesiology

**0699 OTHER HEALTH**

This Narrow Field includes all Health not elsewhere classified.

This Narrow Field comprises the following Detailed Fields:

069901 Nutrition and Dietetics

069903 Human Movement

069905 Paramedical Studies

069907 First Aid

069999 Health n.e.c.

**069901 Nutrition and Dietetics**

Nutrition and Dietetics is the study of the nutritional and dietary needs of humans. Examples of subjects in this Detailed Field include:

- nutritional assessment and evaluation
- food intake measurement
- nutrients and metabolism

**069903 Human Movement**

Human Movement is the study of the nature, cause and control of movement. It includes posture and balance, and the science of human performance. Examples of subjects in this Detailed Field include:

- biomechanical basis of movement
- motor control and learning
- injury prevention and management
- sports and exercise science

**069905 Paramedical Studies**

Paramedical Studies is the study of the emergency treatment of the sick and injured prior to and during transfer to a hospital or medical facility. Examples of subjects in this Detailed Field include:

- ambulance principles and practice
- fundamentals of paramedicine
- pre-hospital health service delivery issues
- out of hospital practice
- patient transport attendance
- specialist life support equipment

**069907 First Aid**

First Aid is the study of skills necessary to aid the ill and injured until medical aid arrives. Examples of subjects in this Detailed Field include:

- casualty assessment
- first aid treatment
- resuscitation

**069999 Health n.e.c.**

This Detailed Field includes all Health not elsewhere classified. Examples of subjects in this Detailed Field include:

- pain management
- respiratory science

## 07 EDUCATION

Education is the study of the process of learning. It includes the theories, methods and techniques of imparting knowledge and skills to others.

The theoretical content of Broad Field 07 Education includes:

- curriculum development
- processes of learning and skill acquisition
- teaching methods

The main purpose of this Broad Field of education is to develop an understanding of the processes and methods of teaching and learning in pre-schools, schools, tertiary educational institutions and other settings.

This Broad Field comprises the following Narrow Fields:

0701 Teacher Education

0703 Curriculum and Education Studies

0799 Other Education

### 0701 TEACHER EDUCATION

Teacher Education is the study of teaching and learning methods and their application to educating people. The main purpose of this Narrow Field of education is to develop an understanding of the theoretical bases of education and its role in society, the factors which influence learning, teaching strategies and educational processes. It also involves developing an ability to plan, implement and evaluate appropriate curricula and learning programs and the assessment and reporting of student achievement.

Courses in Narrow Field 0701 Teacher Education develop skills in:

- acquiring, organising, producing and using a wide range of materials for research-oriented teaching and learning
- applying the theoretical bases of education to the practice of teaching
- assessing and evaluating learning progress and personal development
- communicating and interacting effectively with people in a variety of learning environments to provide meaningful learning experiences
- meeting the requirements of students and providing feedback to parents and other professionals

This Narrow Field comprises the following Detailed Fields:

070101 Teacher Education: Early Childhood

070103 Teacher Education: Primary

070105 Teacher Education: Secondary

070107 Teacher Education: Vocational Education and Training

070109 Teacher Education: Higher Education

070111 Teacher Education: Special Education

070113 Teacher Librarianship

070115 English as a Second Language Teaching

070199 Teacher Education n.e.c.

Exclusions:

- Curriculum development. This is included in Detailed Field 070301 Curriculum Studies.

**070101 Teacher Education: Early Childhood**

Teacher Education: Early Childhood is the study of the theories, methods and practice of teaching children from birth to 8 years of age within formal education settings. Examples of subjects in this Detailed Field include:

- early childhood learning
- early childhood development and pedagogy
- theory and practice of play

**070103 Teacher Education: Primary**

Teacher Education: Primary is the study of the theories, methods and practice of teaching children between the ages of 5 and 12 within formal school settings. Examples of subjects in this Detailed Field include:

- information technology in primary teaching practices
- children's literature in the classroom
- communication in a primary educational setting
- primary education subjects

**070105 Teacher Education: Secondary**

Teacher Education: Secondary is the study of the theories, methods and practice of teaching secondary school students between the ages of 12 and 18 within formal school and college settings. Examples of subjects in this Detailed Field include:

- facilitating adolescent learning
- communication in a secondary educational setting
- information technology in secondary teaching practices
- secondary education subjects

**070107 Teacher Education: Vocational Education and Training**

Teacher Education: Vocational Education and Training is the study of the theories, methods and practice of teaching trade and other vocational subjects. Examples of subjects in this Detailed Field include:

- vocational training methods
- foundations of adult education
- post school education and training in Oman
- vocational education and training subjects

**070109 Teacher Education: Higher Education**

Teacher Education: Higher Education is the study of the theories, methods and practice of teaching in higher educational institutions. Examples of subjects in this Detailed Field include:

- teaching for learning in higher education
- facilitating higher education student learning
- information technology for higher education learning and teaching
- higher education subjects

**070111 Teacher Education: Special Education**

Teacher Education: Special Education is the study of the theories, methods and practice of teaching children with special learning needs, including children with physical and mental disabilities and impairments, and gifted children. Special Education may be conducted in

special schools or by providing support for teachers in primary and secondary schools. Examples of subjects in this Detailed Field include:

- early intervention and children with special needs
- gifted children and their needs
- teaching methods in special education
- learning support

### **070113 Teacher Librarianship**

Teacher-Librarianship is the study of the theories, methods and practice of teaching relating to the integration of library and information resources in schools and colleges. Examples of subjects in this Detailed Field include:

- resources for learning
- educational information sources and services
- library technology
- school library integration into total school curriculum

### **070115 English as a Second Language Teaching**

English as a Second Language Teaching is the study of theories, methods and practice of teaching English to those whose first language is other than English, including teaching children in school settings and teaching adults and children in other settings. Examples of subjects in this Detailed Field include:

- second language teaching methodologies
- managing cross-cultural classes
- principles of teaching English as a second language
- issues in second language theory and practice

### **070199 Teacher Education n.e.c.**

This Detailed Field includes all Teacher Education not elsewhere classified. Examples of subjects in this Detailed Field include:

- firearms instructor training
- train the trainer methods

## **0703 CURRICULUM AND EDUCATION STUDIES**

Curriculum and Education Studies is the study of developing and evaluating appropriate curricula and teaching strategies and practices. The main purpose of this Narrow Field of education is to develop an understanding of the concepts of curriculum, principles of curriculum development, system based and school based curriculum, the theoretical background in traditional and current assessment and teaching practices and pedagogic theory, and research in teacher planning.

Courses in Narrow Field 0703 Curriculum and Education Studies develop skills in:

- analysing the social factors which influence education
- developing and evaluating curricula, assessment and teaching strategies
- learning the philosophies and theoretical bases of education

This Narrow Field comprises the following Detailed Fields:

070301 Curriculum Studies

070303 Education Studies

070305 Education Systems and Policies



**070399 Curriculum and Education Studies n.e.c.**

Exclusions:

- Educational psychology. This is included in Detailed Field 090701 Psychology.

**070301 Curriculum Studies**

Curriculum Studies is the study of developing and evaluating appropriate curricula for different Key Learning Areas and subjects to teach to particular groups of children and adults. Examples of subjects in this Detailed Field include:

- concepts of curricula
- evaluation of curricula
- principles of curriculum development
- system based and school based curricula

**070303 Education Studies**

Education Studies is the study of the theoretical background of traditional and current teaching practices. Examples of subjects in this Detailed Field include:

- social factors influencing education
- comparative education
- analysis of educational philosophies
- pedagogic theory
- theory of educational assessment

**070305 Education Systems and Policies**

Education Systems and Policies is the study of state, national and multinational systems for managing and funding education. Examples of subjects in this Detailed Field include:

- education sector funding models
- quality management and accreditation
- accountability systems
- academic qualification frameworks
- credit transfer arrangements

**070399 Curriculum and Education Studies n.e.c.**

This Detailed Field includes all Curriculum and Education Studies not elsewhere classified.

**0705 GENERAL EDUCATION PROGRAMS**

General Education Programs develop general knowledge, skills and competencies required for education and learning.

The main purpose of this Narrow Field of education is to develop an elementary understanding of subjects such as history, geography, natural science, mathematics, English, social science, art and music, and study methods.

Courses in Narrow Field 1301 General Education Programs develop skills in:

- basic learning
- basic mathematics
- general school education
- reading and writing

This Narrow Field comprises the following Detailed Fields:

070501 General Foundation Programs

070503 Learning Skills Programs

070599 General Education Programs n.e.c.

### **070501 General Foundation Programs**

General Foundation Programs develop literacy, numeracy, computing and learning skills designed to prepare students for tertiary studies. Examples of subjects in this Detailed Field include:

- general language skills
- intermediate reading and writing
- intermediate spelling and grammar
- intermediate numeracy skills
- intermediate computing skills
- intermediate learning skills

Exclusions:

- English as a second language. This is included in Detailed Field 091501 English Language.

### **070503 Learning Skills Programs**

Learning Skills Programs develop skills for study, such as research and analysis skills. Examples of subjects in this Detailed Field include:

- analysing techniques
- general report writing
- how to research a topic

### **070599 General Education Programs n.e.c.**

This Detailed Field includes all General Education Programs not elsewhere classified. Examples of subjects in this Detailed Field include:

- general studies

## **0707 SOCIAL SKILLS PROGRAMS**

Social Skills Programs develop skills required for day to day interacting and functioning in society.

The main purpose of this Narrow Field of education is to develop an understanding of key competencies and skills that are needed for personal survival and independent living.

Courses in Narrow Field 0707 Social Skills Programs develop skills in:

- parenting
- running a household
- social and interpersonal relationships

This Narrow Field comprises the following Detailed Fields:

130301 Social and Interpersonal Skills Programs

130303 Survival Skills Programs

130305 Parental Education Programs

130399 Social Skills Programs n.e.c.

### **070701 Social and Interpersonal Skills Programs**

Social and Interpersonal Skills Programs develop skills for interacting with family and people in the wider community. Examples of subjects in this Detailed Field include:

- personal and social relationships
- social etiquette
- interpersonal communication

Exclusions:

- Personal management training. This is included in Detailed Field 080305 Personal Management Training.

### **070703 Survival Skills Programs**

Survival Skills Programs develop skills for managing a household. Examples of subjects in this Detailed Field include:

- basic home economics
- banking and buying

### **070705 Parental Education Programs**

Parental Education Programs develop skills for parenting. Examples of subjects in this Detailed Field include:

- providing for children
- dealing with conflict
- resolving values problems
- setting boundaries

### **070799 Social Skills Programs n.e.c.**

This Detailed Field includes all Social Skills Programs not elsewhere classified.

## **0709 EMPLOYMENT SKILLS PROGRAMS**

Employment Skills Programs develop job searching and employment related skills.

The main purpose of this Narrow Field of education is to develop an understanding of key competencies and skills that are needed for job search and career development activities.

Courses in Narrow Field 0709 Employment Skills Programs develop skills in:

- career development
- searching for a job
- work practices

This Narrow Field comprises the following Detailed Fields:

070901 Career Development Programs  
 070903 Job Search Skills Programs  
 070905 Work Practices Programs  
 070999 Employment Skills Programs n.e.c.

### **070901 Career Development Programs**

Career Development Programs provide guidance and counselling for career development. Examples of subjects in this Detailed Field include:

- vocational exploration
- choosing a career
- career planning

**070903 Job Search Skills Programs**

Job Search Skills Programs develop skills for finding a job. Examples of subjects in this Detailed Field include:

- resume writing
- interview skills and presentation
- prospecting and general job seeking

**070905 Work Practices Programs**

Work Practices Programs develop skills for functioning effectively in the workplace. Examples of subjects in this Detailed Field include:

- communicating in the workplace
- working with others
- participating in teams

**070999 Employment Skills Programs n.e.c.**

This Detailed Field includes all Employment Skills Programs not elsewhere classified. Examples of subjects in this Detailed Field include:

- returning to the workforce

**0799 OTHER EDUCATION**

This Narrow Field includes all Education not elsewhere classified.

This Narrow Field comprises the following Detailed Field:

079999 Education n.e.c.

**079999 Education n.e.c.**

This Detailed Field includes all Education not elsewhere classified. Examples of subjects in this Detailed Field include:

- home tutoring
- teacher assisting
- driving instructor training

## **08 MANAGEMENT AND COMMERCE**

Management and Commerce is the study of the theory and practice of planning, directing, organising, motivating and coordinating the human and material resources of private and public organisations and institutions. It includes the merchandising and provision of goods and services and personal development.

The theoretical content of Broad Field 08 Management and Commerce includes:

- management and administration
- human and material resources management
- sales and marketing
- finance and financial management
- human behaviour and time management

The main purpose of this Broad Field of education is to develop an understanding of the theory and practice of decision making and policy formation, organisational development, planning, financial management, and the marketing and selling of goods and services.

This Broad Field comprises the following Narrow Fields:

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

### **0801 ACCOUNTING**

Accounting is the study of the theory and practice of developing, maintaining, auditing and analysing financial records. The main purpose of this Narrow Field of education is to develop an understanding of accounting principles and processes in order to organise and maintain corporate and personal financial records. It also involves developing an ability to interpret, evaluate and prepare financial records for use in corporate and personal financial decision making.

Courses in Narrow Field 0801 Accounting develop skills in:

- auditing financial accounts and providing reports on those audits
- designing and operating financial systems for individuals and organisations
- preparing general purpose accounting statements
- providing advice on taxation law and practice and completing taxation reports for clients

This Narrow Field comprises the following Detailed Field:

080101 Management Accounting  
080103 Financial Accounting  
080105 Financial Auditing  
080107 Taxation  
080199 Accounting n.e.c.

#### **080101 Management Accounting**

Accounting is the study of the theory and practice of developing, maintaining, auditing and analysing financial records. Examples of subjects in this Detailed Field include:

- cost accounting

- bookkeeping
- financial systems design and operation

Exclusions:

- Inventory control. This is included in Detailed Field 089901 Purchasing, Warehousing and Distribution.

### **080103 Financial Accounting**

Financial Accounting is the study of the theory and practice of developing, maintaining, auditing and analysing financial records. Examples of subjects in this Detailed Field include:

- financial report writing
- general purpose accounting statements

### **080105 Financial Auditing**

Auditing is the study of independently determining whether or not an entity's financial statements are relevant, accurate, complete, and fairly presented. Examples of subjects in this Detailed Field include:

- internal auditing
- external auditing
- forensic auditing

Exclusions:

- Quality auditing. This is included in Detailed Field 080317 Quality Management.

### **080107 Taxation**

Taxation is the study of the theory and practice of financial charges or other levies imposed on an individual or a legal entity by a government. Examples of subjects in this Detailed Field include:

- forms of taxation and comparative taxation systems
- economics of taxation
- taxation compliance systems and regulation

Exclusions:

- Taxation law. This is included in Detailed Field 090911 Taxation Law.
- Macroeconomic theory. This is included in Detailed Field 091901 Economics.

### **080199 Accounting n.e.c.**

This Detailed Field includes all Accounting not elsewhere classified.

## **0803 BUSINESS AND MANAGEMENT**

Business and Management is the study of planning and directing the functions and activities of persons, organizations and institutions. The main purpose of this Narrow Field of education is to develop an understanding of the theory of management and administration and its application in the development, structure and operation of organisations and institutions, and the role of staff management and development. It also involves developing abilities in organising the efficient and effective provision of goods and services and in planning, co-ordinating and controlling the activities of an organisation and resolving problems and conflicts associated with the performance of these activities.

Courses in Narrow Field 0803 Business and Management develop skills in:

- analysing and determining policy issues at a managerial level
- analysing the human factors that affect the task of management
- applying the principles of quantitative methods, personnel development and information systems in a business environment
- developing strategies for the implementation and administration of government policy and planning
- identifying and evaluating the economic, legal, social, political and ethical environment in which business operates
- identifying and evaluating the role of public organisations and public and private institutions in society
- relating organisational and behavioural theory to a business enterprise, or to public organisations and public and private institutions

This Narrow Field comprises the following Detailed Fields:

080301 Business Management  
 080303 Organisation Management  
 080305 Organisation Governance  
 080307 Quality Management  
 080309 Risk Management  
 080311 Project Management  
 080313 Human Resource Management  
 080315 Personal Management Training  
 080317 Industrial Relations  
 080319 International Business  
 080321 Public and Health Care Management  
 080323 Hospitality Management  
 080325 Farm Management and Agribusiness  
 080327 Tourism Management  
 080399 Business and Management n.e.c.

### **080301 Business Management**

Business Management is the study of planning and directing the activities of commercial enterprises. It includes the study of the nature, operation and role of business, and the resolution of management and administrative problems. Examples of subjects in this Detailed Field include:

- business managerial policies
- business plan administration
- business and the economic, legal, social, political and ethical environment

Exclusions:

- Governance. This is included in Detailed Field 080305 Organisation Governance.

### **080303 Organisation Management**

Organisation Management is the study of organizational structure and change. Examples of subjects in this Detailed Field include:

- change management
- organisational change and leadership
- organisational context of human resource management
- organisational politics and culture
- organisational behaviour

**080305 Organisation Governance**

Organisation Governance is the study of the theories and practice of exercising effective governance of an organisation. Examples of subjects in this Detailed Field include:

- models of governance
- corporate accountability
- relationship between governance and ownership
- relationship between governance and management
- mission, vision and goals

**080307 Quality Management**

Quality Management is the study of initiating and implementing quality assurance techniques and procedures to meet standards of best practice. Examples of subjects in this Detailed Field include:

- total quality management
- standards
- benchmarking
- continuous improvement
- organisation performance evaluation

**080309 Risk Management**

Risk Management is the study of identifying, assessing and treating strategic and operational risks. Examples of subjects in this Detailed Field include:

- models of risk management
- strategic risk management
- operational risk management

**080311 Project Management**

Project Management is the study of planning and managing a total project process. Examples of subjects in this Detailed Field include:

- design management
- project life cycles
- project management
- project planning

**080313 Human Resource Management**

Human Resource Management is the study of staffing policy, practice and management within an organisation. Examples of subjects in this Detailed Field include:

- human resource planning
- training needs assessment
- performance management
- personnel management, compensation and benefits
- recruiting and job analysis and design
- staff development and training co-ordination
- staff supervision

**080315 Personal Management Training**

Personal Management Training is the study of self-improvement techniques. Examples of subjects in this Detailed Field include:



- personal creativity
- personal effectiveness
- personal motivation
- self-esteem
- stress management
- time management

### **080317 Industrial Relations**

Industrial Relations is the study of the relationship between employers and employees, and the application of such relations to workplace issues. Examples of subjects in this Detailed Field include:

- advocacy and negotiation
- employee relations
- industrial conflict
- workplace issues

### **080319 International Business**

International Business is the study of international trade, import and export processes and regulations and customs procedures and regulations. Examples of subjects in this Detailed Field include:

- customs practices
- permit issuing authorities
- international and multinational trade
- tariffs

Exclusions:

- International trade law. This is included in Detailed Field 090909 International Law.

### **080321 Public and Health Care Management**

Public and Health Care Administration is the study of planning and directing the functions and operations of organizations whose primary objective is the provision of services for the public good. Examples of subjects in this Detailed Field include:

- Omani health system
- public sector guidelines and procedures
- public organisations and their role
- health planning, policy and program evaluation

### **080323 Hospitality Management**

Hospitality Management is the study of managing the operations of organisations which provide hospitality services. It includes conference and special events management. Examples of subjects in this Detailed Field include:

- equipment and facilities planning
- hospitality purchasing
- rooms division management
- strategic planning in hospitality

### **080325 Farm Management and Agribusiness**

Farm Management and Agribusiness is the study of managing farming and agricultural business enterprises. Examples of subjects in this Detailed Field include:

- farm and agribusiness planning models
- farm cash, credit, debt and taxation management
- rural credit market

### **080327 Tourism Management**

Tourism Management is the study of planning and managing the activities of tourism focused enterprises. Examples of subjects in this Detailed Field include:

- cultural and social aspects of tourism management
- tourist behaviour
- tourism planning and development

Exclusions:

- Tourism. This is included in Detailed Field 080701 Tourism.

### **080399 Business and Management n.e.c.**

This Detailed Field includes all Business and Management not elsewhere classified. Examples of subjects in this Detailed Field include:

- facilities management
- recreation management
- electronic commerce (e-commerce)
- transport management
- emergency management

## **0805 SALES AND MARKETING**

Sales and Marketing is the study of identifying and developing markets, and promoting and selling goods, services and properties. The main purpose of this Narrow Field of education is to develop an understanding of the theories of buying and selling goods and services and their application at an organisational and personal level, marketing theories in relation to product development, and the development of strategic marketing plans and consumer behaviour. It also involves developing the ability to plan, direct and organise retail and wholesale operations so that goods and services can be provided efficiently and effectively.

Courses in Narrow Field 0805 Sales and Marketing develop skills in:

- applying social and behavioural science theories to identify and develop marketing strategies
- applying the principles and practices of selling and interacting with clients
- identifying consumer needs and wants and developing strategies to fulfil them in relation to the provision, pricing and distribution of goods and services
- managing stock, merchandising, pricing and supervising loss prevention
- organising or devising advertising, promotion, public relations and sales campaigns
- property investment and management

This Narrow Field comprises the following Detailed Fields:

080501 Sales

080503 Real Estate

080505 Marketing

080507 Advertising

080509 Public Relations

080599 Sales and Marketing n.e.c.

**080501 Sales**

Sales is the study of buying and selling goods and services. Examples of subjects in this Detailed Field include:

- customer relationship management
- consumer behaviour
- sales systems and procedures
- selling techniques
- stock management
- wholesaling

**080503 Real Estate**

Real Estate is the study of developing, purchasing, leasing and selling buildings, businesses and properties. Examples of subjects in this Detailed Field include:

- property appraisal
- commercial and industrial leasing
- strata management
- residential tenancies
- property management

Exclusions:

- Real estate valuation. This is included in Detailed Field 089903 Valuation.
- Real estate law. This is included in Detailed Field 090901 Business and Commercial Law.

**080505 Marketing**

Marketing is the study of identifying market opportunities and developing and implementing strategies for pricing and promoting products and services. Examples of subjects in this Detailed Field include:

- direct marketing
- product innovation
- sponsorship
- market segmentation
- consumer and organisational buyer behaviour
- pricing strategies and techniques

**080507 Advertising**

Advertising is the study of informing potential customers of the nature of products and services and their merits. Examples of subjects in this Detailed Field include:

- advertising media
- advertising regulations
- ethical and operational principles in advertising
- advertising strategies
- planning and executing advertising campaigns

Exclusions:

- Copywriting. This is included in Detailed Field 110705 Written Communication.

**080509 Public Relations**

Public Relations is the study of creating and maintaining an understanding and a favourable view of an organisation and its products, services and role. Examples of subjects in this Detailed Field include:

- public relations campaign planning
- international public relations
- media relations
- role of organisations' spokespersons

**080599 Sales and Marketing n.e.c.**

This Detailed Field includes all Sales and Marketing not elsewhere classified. Examples of subjects in this Detailed Field include:

- visual merchandising (window dressing)
- auctioneering

**0807 OFFICE STUDIES**

Office Studies is the study of planning, organising and managing office systems, and operating office equipment. It includes the study of clerical skills. The main purpose of this Narrow Field of education is to develop an understanding of the principles of office administration, the exchange and recording of information in an office environment, the training and supervision of staff, and the role of office technology and its development and application. It also involves developing the ability to plan, direct, organise and carry out the day to day operations of an office.

Courses in Narrow Field 0807 Office Studies develop skills in:

- coordinating and supervising the operation of office systems and technology
- entering and retrieving data
- operating keyboards and general office equipment
- performing general office procedures
- undertaking supervision and on-the-job training of staff
- using word processing packages

This Narrow Field comprises the following Detailed Fields:

080701 Secretarial and Clerical Studies

080703 Keyboard Skills

080705 Practical Computing Skills

080799 Office Studies n.e.c.

**080701 Secretarial and Clerical Studies**

Secretarial and Clerical Studies is the study of shorthand, record keeping, correspondence and general office procedures. Examples of subjects in this Detailed Field include:

- office communication (correspondence, email, telephone)
- office records management and filing
- office equipment operation
- performing general office procedures
- shorthand
- telephone operation

**080703 Keyboard Skills**

Keyboard Skills is the study of typing and data entry. Examples of subjects in this Detailed Field include:

- court reporting
- data entry
- keyboard operations and techniques
- keyboard speed and accuracy

**080705 Practical Computing Skills**

Practical Computing Skills is the study of basic computer operation and using software packages. Examples of subjects in this Detailed Field include:

- financial management and planning software
- introduction to the web
- presentation packages
- relational database software
- spreadsheet packages
- word processing packages

**080799 Office Studies n.e.c.**

This Detailed Field includes all Office Studies not elsewhere classified. Examples of subjects in this Detailed Field include:

- reception protocol

**0809 BANKING, FINANCE AND RELATED FIELDS**

Banking, Finance and Related Fields is the study of planning, directing, organising and controlling financial activities and services. It includes the provision of insurance and investment services at the corporate and individual level.

The main purpose of this Narrow Field of education is to develop an understanding of the theories and practice of financial planning and investment, the nature and operation of the Omani and international monetary and financial systems and markets, and the principles of insurance.

Courses in Narrow Field 0809 Banking, Finance and Related Fields develop skills in:

- providing basic financial services
- developing appropriate investment strategies for different types of investor
- organising and operating financial institutions and insurance organisations
- developing appropriate insurance, superannuation and retirement packages for clients
- applying the principles of risk, insurance, reinsurance, and underwriting to determine benefits and premiums
- processing claims, maintaining and verifying insurance records

This Narrow Field comprises the following Detailed Fields:

080901 Banking and Finance  
 080903 Islamic Banking and Finance  
 080905 Insurance and Actuarial Studies  
 080906 Investment and Securities  
 080999 Banking, Finance and Related Fields n.e.c.

**080901 Banking and Finance**

Banking and Finance is the study of directing, planning and providing financial institution services in relation to savings and loans. Examples of subjects in this Detailed Field include:

- banking and lending practices
- basic financial services
- bank and financial institutions daily operations
- finance theories
- national and international financial markets regulations

Exclusions:

- Islamic Banking and Finance. This is included in Detailed Field 080903 Islamic Banking and Finance.
- Banking and financial law. This is included in Detailed Field 090901 Business and Commercial Law.

**080903 Islamic Banking and Finance**

Islamic Banking and Finance is the study of directing, planning and providing financial institution services in relation to savings and loans, according to Sharia. Examples of subjects in this Detailed Field include:

- banking and lending practices
- basic financial services
- bank and financial institutions daily operations
- finance theories
- national and international financial markets regulations

**080905 Insurance and Actuarial Studies**

Insurance and Actuarial Studies is the study of directing, planning and providing insurance services, and applying mathematical and statistical analysis to financial planning problems. Examples of subjects in this Detailed Field include:

- principles of risk and insurance
- insurance portfolio management
- developing appropriate insurance packages for clients
- actuarial principles
- Takaful (Islamic insurance)

**080907 Investment and Securities**

Investment and Securities is the study of directing, planning and providing investment and securities services. Examples of subjects in this Detailed Field include:

- individual investment portfolio management
- investments and financial markets regulations
- superannuation and retirement planning

**080999 Banking, Finance and Related Fields n.e.c.**

This Detailed Field includes all Banking, Finance and Related Fields not elsewhere classified. Examples of subjects in this Detailed Field include:

- financial management

**0899 OTHER MANAGEMENT AND COMMERCE**

This Narrow Field includes all Management and Commerce not elsewhere classified.

This Narrow Field comprises the following Detailed Fields:

089901 Purchasing, Warehousing and Distribution

089903 Valuation

089905 e-Business

089999 Management and Commerce n.e.c.

**089901 Purchasing, Warehousing and Distribution**

Purchasing, Warehousing and Distribution is the study of purchasing, supplying, storing and despatching goods and other materials. Examples of subjects in this Detailed Field include:

- materials handling and management
- inventory control
- staged procurement
- logistics management
- transport and distribution systems
- warehouse storage systems
- furniture removal

**089903 Valuation**

Valuation is the study of valuing land, buildings, businesses, properties, machinery, art and personal items. Examples of subjects in this Detailed Field include:

- plant and equipment valuation
- land economics
- specialist valuation
- valuation for rating and taxing

**089905 e-Business**

e-Business is the study of the theories and practices of commercial transactions facilitated via the Internet and other electronic networks. Examples of subjects in this Detailed Field include:

- online payment systems
- virtual marketplace

**089999 Management and Commerce n.e.c.**

This Detailed Field includes all Management and Commerce not elsewhere classified. Examples of subjects in this Detailed Field include:

- laboratory administration
- wool commerce

## **09 SOCIETY AND CULTURE**

Society and Culture is the study of the physical, social and cultural organisation of human society and their influence on the individual and groups.

The theoretical content of Broad Field 09 Society and Culture includes:

- cultural expression
- human development and behaviour
- human populations and their environments
- politics of power
- military
- social organisation and structure
- social research methodology

The main purpose of this Broad Field of education is to develop an understanding of human behaviour and interaction, beliefs and values, cultural expression, and social structure and organisation.

This Broad Field comprises the following Narrow Fields:

0901 Political Science and Policy Studies

0903 Studies in Human Society

0905 Human Welfare Studies and Services

0907 Behavioural Science

0909 Law

0911 Sharia

0913 Justice and Law Enforcement

0915 Defence and Security

0917 Librarianship, Information Management and Curatorial Studies

0919 Language and Literature

0921 Economics and Econometrics

0923 Sport and Recreation

0999 Other Society and Culture

Exclusions:

- Religion and philosophy. These is included in Broad Field 10 Religion and Philosophy.

### **0901 POLITICAL SCIENCE AND POLICY STUDIES**

Political Science and Policy Studies is the study of political theories, processes, events and institutions, the operation and function of government, and the development and analysis of public and other policies.

The main purpose of this Narrow Field of education is to develop an understanding of political systems and processes, the links between political structures and social and economic development, the social and political aspects of power, how societies govern themselves, how nations relate to each other in a global society, and policy development.

Courses in Narrow Field 0901 Political Science and Policy Studies develop skills in:

- analysing the various factors affecting voting behaviour and the nature of political campaigning
- evaluating and interpreting the links between political structures and social and economic development



- evaluating the effect of economic and political change, and government policy on international relations

This Narrow Field comprises the following Detailed Fields:

090101 Political Science

090103 Policy Studies

090199 Political Science and Policy Studies n.e.c.

### **090101 Political Science**

Political Science is the study of political ideas, processes, institutions and behaviour, and how they influence public decisions within and among communities. Examples of subjects in this Detailed Field include:

- business-government relations
- comparative political systems
- electoral behaviour
- international relations
- political ideologies

### **090103 Policy Studies**

Policy Studies is the study of analysing and developing policies to achieve societal and corporate goals. Examples of subjects in this Detailed Field include:

- Omani foreign policy
- socio-environmental policy
- public policy development
- regional development policy
- social policy analysis

### **090199 Political Science and Policy Studies n.e.c.**

This Detailed Field includes all Political Science and Policy Studies not elsewhere classified.

## **0903 STUDIES IN HUMAN SOCIETY**

Studies in Human Society is the study of the past and present behaviour of humans and their interaction, social organisation and geographical distribution.

The main purpose of this Narrow Field of education is to develop an understanding of collective behaviour, social and cultural processes and systems, the techniques and procedures of research design and analysis, and history and its relation to the current condition of society.

Courses in Narrow Field 0903 Studies in Human Society develop skills in:

- analysing the impact of historical events on past and contemporary society
- authenticating, evaluating and interpreting anthropological data
- compiling historical data from primary and secondary sources, and interviews
- evaluating and interpreting cultural, demographic and sociological data
- identifying, authenticating, analysing and evaluating material artefacts
- researching aspects of societies using a variety of social research methods

This Narrow Field comprises the following Detailed Fields:

090301 Sociology

090303 Anthropology  
 090305 History  
 090307 Archaeology  
 090309 Human Geography  
 090311 Indigenous Studies  
 090313 Gender Specific Studies  
 090399 Studies in Human Society n.e.c.

Exclusions:

- Psychology. This is included in Narrow Field 0907 Behavioural Science.

### **090301 Sociology**

Sociology is the study of the origin, development, organization and functioning of human society, including the study of the patterns of social relations. Examples of subjects in this Detailed Field include:

- social control
- social inequalities
- social interaction
- sociological theory
- sociology of education
- social structure

### **090303 Anthropology**

Anthropology is the study of the diversity of human cultural practices and beliefs by participant observation and comparison. Examples of subjects in this Detailed Field include:

- anthropology of development
- cultural studies
- ethnography
- ethnology
- evolution of human culture
- kinship
- transformation of traditional societies

### **090305 History**

History is the study of past cultures, events and ideas using written documents and other evidence. Examples of subjects in this Detailed Field include:

- perspectives on the past
- film and history
- history through monuments
- contemporary world history
- art history

### **090307 Archaeology**

Archaeology is the study of human history and prehistory through the excavation of sites and the analysis of artifacts and other physical remains. Examples of subjects in this Detailed Field include:

- archaeological data
- archaeological methods and techniques
- archaeological theories

**090309 Human Geography**

Human Geography is the study of spatial variations between human populations and the interactions between people and their environment. Examples of subjects in this Detailed Field include:

- human activity and environmental change
- demography
- human community development theory and practice
- globalisation

**090311 Indigenous Studies**

Indigenous Studies is the study of indigenous culture and societies and their relationship to the broader society of a particular country. Examples of subjects in this Detailed Field include:

- comparative indigenous studies
- contemporary indigenous studies
- indigenous cultures

**090313 Gender Specific Studies**

Gender Specific Studies is the study of the ways that people and society develop various ideas and beliefs concerning the roles and functions of a specific gender and the way that this gender relates to society. Examples of subjects in this Detailed Field include:

- feminist theory
- gender and power
- gender issues
- historical perspectives on gender issues
- women's studies

**090399 Studies in Human Society n.e.c.**

This Detailed Field includes all Studies in Human Society not elsewhere classified. Examples of subjects in this Detailed Field include:

- peace studies
- multicultural studies
- modern studies

**0905 HUMAN WELFARE STUDIES AND SERVICES**

Human Welfare Studies and Services is the study of social intervention designed to help persons, individually and collectively, maximise their social and economic wellbeing.

The main purpose of this Narrow Field of education is to develop an understanding of the social, political and economic climate in which social policy is developed, administered and implemented, the social needs of individuals, groups and communities within society, the resources available to meet these needs, and the social influences that effect the behaviour and social functioning of people. It also involves developing an ability to plan and deliver welfare programs, and organize resources to meet individual and community needs.

Courses in Narrow Field 0905 Human Welfare Studies and Services develop skills in:

- assessing the welfare requirements of individuals and groups

- assisting individuals, groups and communities in relation to family and child welfare, probation and parole, housing, health and rehabilitation
- assisting individuals, groups and communities to utilise their own resources to improve their wellbeing
- communicating with young children, parents and other professionals
- mediating between and counselling individuals, groups and communities
- planning, organising and implementing programs for the care of young children

This Narrow Field comprises the following Detailed Fields:

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 n.e.c.

Exclusions:

- Health care. This is included in Broad Field 06 Health.
- Developmental psychology. This is included in Detailed Field 090701 Psychology.

### **090501 Social Work**

Social Work is the study of promoting, restoring, maintaining and enhancing the functioning of individuals, families, social groups, organisations and communities by the utilisation of resources within individuals and the social environment in order to alleviate social problems.

Examples of subjects in this Detailed Field include:

- agency intervention
- crisis intervention
- social work analysis
- social work theory

### **090503 Children's Services**

Children's Services is the study of the care and development of children. Examples of subjects in this Detailed Field include:

- storytelling
- infant and child care and development
- early childhood research
- understanding and guiding children's behaviour
- play and learning environment

### **090505 Youth Work**

Youth Work is the study of the development and support of youth. Examples of subjects in this Detailed Field include:

- homeless youth
- working with adolescents
- perspectives on youth

**090507 Care for the Aged**

Care for the Aged is the study of caring for elderly people in various social support services associated with families and groups in the community. Examples of subjects in this Detailed Field include:

- research techniques in gerontology
- quality of life and welfare of the well and frail aged
- working with dementia

**090509 Care for the Disabled**

Care for the Disabled is the study of caring for disabled people in various social support services associated with families and groups in the community. Examples of subjects in this Detailed Field include:

- augmentative communication systems
- disability and development
- supporting people with disability

**090511 Residential Client Care**

Residential Client Care is the study of caring for people living in a variety of welfare and residential settings. Examples of subjects in this Detailed Field include:

- principles and practices of residential client care service provision
- residential and community services theory

Exclusions:

- Prison. This is included in Detailed Field 091109 Correctional Services.

**090513 Counselling**

Counselling is the study of the practice and skills required to provide guidance on personal, social and psychological problems. Examples of subjects in this Detailed Field include:

- conflict resolution skills
- developmental counselling models
- theories of counselling
- career guidance

**090515 Welfare Studies**

Welfare Studies is the study of providing personal services to individuals and family groups who are socially disadvantaged or otherwise in need. Examples of subjects in this Detailed Field include:

- community and welfare studies
- community resource identification and use
- human service organisation
- interaction of welfare services and law
- paradigms of welfare practice

**090599 Human Welfare Studies and Services n.e.c.**

This Detailed Field includes all Human Welfare Studies and Services not elsewhere classified. Examples of subjects in this Detailed Field include:

- drug dependence studies
- community care
- family support

- community development

## **0907 BEHAVIOURAL SCIENCE**

Behavioural Science is the study of the causes of behaviour as a result of individual differences, experience and environment, and the modification of that behaviour.

The main purpose of this Narrow Field of education is to develop an understanding of human development, behaviour and interaction, and the techniques and procedures of research design and analysis.

Courses in Narrow Field 0907 Behavioural Science develop skills in:

- conducting research into human behaviour at the individual and group level using a variety of social research methods
- constructing, administering and interpreting tests to understand human behaviour
- planning and implementing individual and group programs to modify human behaviour

This Narrow Field comprises the following Detailed Fields:

090701 Psychology

090799 Behavioural Science n.e.c.

### **090701 Psychology**

Psychology is the study of the science of human nature and of mental states and processes. It includes the study of human and animal nature. Examples of subjects in this Detailed Field include:

- research methods in psychology
- behaviourism
- personality theory and assessment
- psychotherapy

### **090799 Behavioural Science n.e.c.**

This Detailed Field includes all Behavioural Science not elsewhere classified. Examples of subjects in this Detailed Field include:

- cognitive science
- behavioural health studies
- neuro-linguistic programming

## **0909 LAW**

Law is the study of the principles and regulations which are recognised in the form of legislation or customs and policies recognised by judicial decision.

The main purpose of this Narrow Field of education is to develop an understanding of the principles and practice of laws which govern countries, governments, businesses and individuals.

Courses in Narrow Field 0909 Law develop skills in:

- analysing the role of the law in social, economic and political areas
- applying the knowledge and skills gained in order to practice law
- interpreting and analysing the differences between laws of Oman and other countries

This Narrow Field comprises the following Detailed Fields:

090901 Business and Commercial Law

090903 Constitutional Law

090905 Criminal Law

090907 Family Law

090909 International Law

090911 Taxation Law

090913 Environmental Law

090915 Legal Practice

090999 Law n.e.c.

### **090901 Business and Commercial Law**

Business and Commercial Law is the study of the principles and regulations governing business and commercial practices. Examples of subjects in this Detailed Field include:

- company law
- consumer legislation
- corporate solvency
- conveyancing
- regulation of securities

### **090903 Constitutional Law**

Constitutional Law is the study of the principles and regulations in relation to the constitution and the respective powers of the federal and state governments. Examples of subjects in this Detailed Field include:

- constitutional interpretation
- constitutional development, amendments and reform
- legislative powers
- federalism

### **090905 Criminal Law**

Criminal Law is the study of the principles and practices associated with the body of law which deals with criminal offences. Examples of subjects in this Detailed Field include:

- criminal defences
- standards of proof
- criminal liability
- mens rea and actus reus

### **090907 Family Law**

Family Law is the study of the principles and regulations in relation to the family. Examples of subjects in this Detailed Field include:

- legal regulation of family formation and breakdown
- legal regulation of de facto relationships
- rights of children
- adoption

**090909 International Law**

International Law is the study of the system of rules governing the conduct of international relations, and the relationship between Omani laws and the laws of other countries. Examples of subjects in this Detailed Field include:

- domestic and international law
- international trade law
- public and private international law
- international dispute resolution
- treaties

**090911 Taxation Law**

Taxation Law is the study of principles and regulations related to government collection of revenues from corporate and individual tax payers. Examples of subjects in this Detailed Field include:

- Omani taxation system
- revenue collection mechanisms
- income taxation regulations

**090913 Environmental Law**

Environmental Law is the study of legal tools and methods for protecting the natural environment from adverse human activities. Examples of subjects in this Detailed Field include:

- multinational agreements
- enforceability of environmental targets
- polluter-pays principle

Exclusions:

- Engineering solutions to pollution. This is included in Detailed Field 039901 Environmental Engineering and Pollution Control.

**090915 Legal Practice**

Legal Practice is the study of the issues associated with practising law. It includes the methods and principles involved in advising and representing clients on matters relating to law. Examples of subjects in this Detailed Field include:

- professional code of practice
- rules and etiquette of professional practice

**090999 Law n.e.c.**

This Detailed Field includes all Law not elsewhere classified. Examples of subjects in this Detailed Field include:

- administrative law

**0911 SHARIA**

Sharia is the study of law and legal systems based on Islam.

The main purpose of this Narrow Field of education is to develop an understanding of the principles and practice of Sharia laws which govern or guide some Muslim countries, governments, businesses and individuals.



Courses in Narrow Field 0911 Sharia develop skills in:

- understanding and interpreting the Koran and Hadith
- development of laws from the Koran and Hadith
- Islamic legal practice

This Narrow Field comprises the following Detailed Fields:

091101 Al Fequeh Wausoleh

091103 Islamic Jurisprudence

091199 Sharia n.e.c.

### **091101 Al Fequeh Wausoleh**

Al Fequeh Wausoleh is the study of the basis for Sharia. Examples of subjects in this Detailed Field include:

- [Not yet available]

### **091103 Islamic Jurisprudence**

Islamic Jurisprudence is the study of Sharia legal practice. Examples of subjects in this Detailed Field include:

- [Not yet available]

### **091199 Sharia n.e.c.**

This Detailed Field includes all Sharia not elsewhere classified.

## **0913 JUSTICE AND LAW ENFORCEMENT**

Justice and Law Enforcement is the study of the principles and procedures for formally maintaining social order.

The main purpose of this Narrow Field of education is to develop an understanding of the historical development of the legal system and its role as a framework for the development and maintenance of social order, and the investigation and prosecution of criminal offences. It also involves developing an ability to assess and evaluate the reliability of evidence, and analyse and interpret legal issues.

Courses in Narrow Field 0913 Justice and Law Enforcement develop skills in:

- advising individuals, groups, organisations and governments on legal responsibilities
- preparing documents relating to court matters and contracts
- preparing legal cases by researching relevant statutes and precedents
- investigating crime and implementing crime prevention strategies

This Narrow Field comprises the following Detailed Fields:

091301 Justice Administration

091303 Legal Studies

091305 Criminology

091307 Police Studies

091309 Correctional Services

091399 Justice and Law Enforcement n.e.c.

**091301 Justice Administration**

Justice Administration is the study of the theory and practice of the administrative processes in the justice system. Examples of subjects in this Detailed Field include:

- confessional evidence
- criminal justice
- court operation

**091303 Legal Studies**

Legal Studies is the study of the administrative and legal skills required to assist in legal practice. Examples of subjects in this Detailed Field include:

- basic principles of law
- legal documentation
- legal library operations and utilisation
- legal records

Exclusions:

- Legal secretarial studies. This is included in Detailed Field 080701 Secretarial and Clerical Studies.

**091305 Criminology**

Criminology is the study of crime and issues related to offenders and victims. Examples of subjects in this Detailed Field include:

- corporate crime
- crime prevention
- criminal profiling
- theories of criminal behaviour

Exclusions:

- Forensic science. This is included in Detailed Field 019903 Forensic Science.

**091307 Police Studies**

Police Studies is the study of the maintenance of law and order, and crime detection and prevention. Examples of subjects in this Detailed Field include:

- police administration
- police investigation techniques
- police regulations
- police supervision techniques

**091309 Correctional Services**

Correctional Services is the study of the detention and punishment of offenders. Examples of subjects in this Detailed Field include:

- theories of incarceration
- prison administration
- probation and parole administration

Exclusions:

- Rehabilitation. This is included in Narrow Field 0905 Human Welfare Studies.

**091399 Justice and Law Enforcement n.e.c.**

This Detailed Field includes all Justice and Law Enforcement not elsewhere classified.

## **0915 DEFENCE AND SECURITY**

Defence and Security is the study of the mandate, systems and technologies of protecting the interests of the nation using military means.

The main purpose of this Narrow Field of education is to develop an understanding of the different philosophical approaches to maintaining peace and security through the provision of effectively designed defence and security systems. This understanding includes consideration of varying philosophical perspectives; awareness of regional and international relations; alignment with national public policies; and the appropriate use of technologies and resources.

Courses in Narrow Field 0915 Defence and Security develop skills in:

- planning and implementing national defence systems
- appreciating the historical lessons earned from defence strategies and actions
- aligning defence and security policies in support of other public policies
- collecting, analyzing and reporting information pertinent to national strategic interests
- using technologies for defence and security purposes
- deploying human and physical resources in sometimes precarious situations
- collecting and analyzing information about populations for the purposes of enhancing social stability and peace

This Narrow Field comprises the following Detailed Fields:

091501 Naval Studies

091503 Army Studies

091505 Air Force Studies

091507 Coast Guard Studies

091509 Customs Studies

091511 Immigration Studies

091513 Civil Security Services

091599 Defence and Security n.e.c.

Exclusions:

- Police. This is included in Detailed Field 091305 Police Studies.

### **091501 Naval Studies**

Naval Studies is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

Exclusions:

- Operating boats. This is included in Detailed Field 031705 Marine Craft Operations.

### **091503 Army Studies**

Army Studies is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

### **091505 Air Force Studies**

Air Force Studies is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

**091507 Coast Guard Studies**

Coast Guard Studies is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

**091509 Customs Studies**

Customs Studies is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

**091511 Immigration Studies**

Immigration Studies is the study of the theory and practice of [not yet available]. Examples of subjects in this Detailed Field include:

- [Not yet available]

**091513 Civil Security Services**

Civil Security Services is the study of protecting properties, premises and people against intruders and damage. Examples of subjects in this Detailed Field include:

- crowd control
- escorting and carrying valuables
- personal protective services
- premises and property securing systems
- security dog handling
- security risk management

Exclusions:

- Security of computer data and systems. This is included in Detailed Field 029901 Electronic Security Science.
- Police. This is included in Detailed Field 091307 Police Studies
- Prison. This is included in Detailed Field 091309 Correctional Services

**091599 Defence and Security n.e.c.**

This Detailed Field includes all Defence and Security not elsewhere classified.

**0917 LIBRARIANSHIP, INFORMATION MANAGEMENT AND CURATORIAL STUDIES**

Librarianship, Information Management and Curatorial Studies is the study of selecting, acquiring, organising, storing and facilitating the use of collections of information, and locating, identifying and assessing cultural heritage resources.

The main purpose of this Narrow Field of education is to develop an understanding of different methods and practices in library and information management, the methods of selecting and organising library resources, and the technology used in the storage, retrieval and dissemination of information. It also involves analysing cultural materials, preserving artefacts and planning exhibitions.

Courses in Narrow Field 0917 Librarianship, Information Management and Curatorial Studies develop skills in:

- conserving and exhibiting artefacts of cultural importance

- identifying and meeting the information needs of individuals, groups and organisations
- managing and maintaining information collections
- using various technologies and media for recording, storing and retrieving information

This Narrow Field comprises the following Detailed Fields:

091701 Librarianship and Information Management

091703 Medical Records Management

091705 Curatorial Studies

091799 Librarianship and Information Management and Curatorial Studies n.e.c.

Exclusions:

- Information systems. This is included in Narrow Field 0203 Information Systems.

### **091701 Librarianship and Information Management**

Librarianship and Information Management is the study of selecting, acquiring, organising and storing collections of information, and facilitating the use of information.

Examples of subjects in this Detailed Field include:

- archival studies
- cataloguing and classifications
- collection management
- information retrieval and dissemination
- library administration
- records management

### **091703 Medical Records Management**

Medical Records Management is the study of planning, controlling, directing, organising, promoting, and other managerial activities related to the creation, maintenance, use, and disposition of medical records to achieve adequate and proper documentation of a health care organisation's policies and transactions. Examples of subjects in this Detailed Field include:

- medical record information management
- health information laws, privacy and security

### **091705 Curatorial Studies**

Curatorial Studies is the study of locating, identifying and assessing cultural heritage resources. Examples of subjects in this Detailed Field include:

- conservation of objects
- exhibition planning
- museography
- museology

### **091799 Librarianship and Information Management and Curatorial Studies n.e.c.**

This Detailed Field includes all Librarianship and Information Management and Curatorial Studies not elsewhere classified.

## **0919 LANGUAGE AND LITERATURE**

Language and Literature is the study of the structure and use of languages, and the literature of particular times and geographic areas.

The main purpose of this Narrow Field of education is to develop an understanding of the nature, structure, sound and form of languages, the development and changes in literary styles, and languages and literature in their social and cultural contexts. It also involves developing abilities in understanding, speaking, reading and writing in a foreign language and in critically analysing literary works and form.

Courses in Narrow Field 0919 Language and Literature develop skills in:

- analysing approaches to, and techniques of, writing
- analysing foreign languages and literature in their social and cultural context
- analysing the development of, and changes in, literary styles
- critically analysing and evaluating form, themes, style and content
- presenting literary critiques in written and oral form
- speaking, understanding, reading and writing English as a second language
- speaking, understanding, reading and writing foreign languages
- translating and interpreting languages

This Narrow Field comprises the following Detailed Fields:

091901 Linguistics  
 091903 Arabic Language  
 091905 Omani Indigenous Languages  
 091907 English Language  
 091909 Northern European Languages  
 091911 Southern European Languages  
 091913 Eastern European Languages  
 091915 Southwest Asian and North African Languages  
 091917 African Languages  
 091919 Southern Asian Languages  
 091921 Southeast Asian Languages  
 091923 Eastern Asian Languages  
 091925 Translating and Interpreting  
 091927 Literature  
 091999 Language and Literature n.e.c.

### **091901 Linguistics**

Linguistics is the study of the structure and composition of language. Examples of subjects in this Detailed Field include:

- morphology and lexis
- syntax
- phonology
- sociolinguistics
- comparative linguistics

### **091901 Arabic Language**

Arabic Language is the study of reading, writing and speaking the Arabic language. Examples of subjects in this Detailed Field include:

- Arabic
- arouth (Arabic poetry meters)
- Arabic as a second language

**091903 Omani Indigenous Languages**

Omani Indigenous Languages is the study of reading, writing and speaking the languages and dialects of the Omani indigenous people. Examples of subjects in this Detailed Field include:

- Jibali
- Arabic (Omani dialect)
- Bulushi (Omani dialect)
- Swahili (Omani dialect)

**091905 English Language**

English Language is the study of reading, writing and speaking the English language. Examples of subjects in this Detailed Field include:

- English
- English as a second language

**091907 Northern European Languages**

Northern European Languages is the study of reading, writing and speaking the languages of Northern Europe. Examples of subjects in this Detailed Field include:

- Gaelic
- Danish
- Dutch
- German
- Norwegian
- Swedish

**091909 Southern European Languages**

Southern European Languages is the study of reading, writing and speaking the languages of Southern Europe. Examples of subjects in this Detailed Field include:

- French
- Greek
- Italian
- Latin
- Portuguese
- Spanish

**091911 Eastern European Languages**

Eastern European Languages is the study of the reading, writing and speaking the languages of Eastern Europe. Examples of subjects in this Detailed Field include

- Croatian
- Finnish
- Hungarian
- Lithuanian
- Russian
- Serbian
- Ukrainian

**091913 Southwest Asian and North African Languages**

Southwest Asian and North African Languages is the study of reading, writing and speaking the languages of Southwest Asia and North Africa. Examples of subjects in this Detailed Field include:

- Arabic
- Persian (Farsi)
- Hebrew
- Kurdish
- Iranian
- Turkish

**091915 African Languages**

African Languages is the study of reading, writing and speaking the languages of Africa. Examples of subjects in this Detailed Field include:

- Zulu
- Swahili

Exclusions:

- North African languages. This is included in Detailed Field 091513 Southwest Asian and North African Languages

**091917 Southern Asian Languages**

Southern Asian Languages is the study of reading, writing and speaking the languages of Southern Asia. Examples of subjects in this Detailed Field include:

- Bengali
- Hindi
- Nepali
- Punjabi
- Sinhalese
- Tamil

**091919 Southeast Asian Languages**

Southeast Asian Languages is the study of reading, writing and speaking the languages of Southeast Asia. Examples of subjects in this Detailed Field include:

- Indonesian
- Khmer
- Lao
- Malay
- Thai
- Vietnamese

**091921 Eastern Asian Languages**

Eastern Asian Languages is the study of reading, writing and speaking the languages of Eastern Asia. Examples of subjects in this Detailed Field include:

- Cantonese
- Japanese
- Korean
- Mandarin



**091923 Translating and Interpreting**

Translating and Interpreting is the study of translating and interpreting foreign languages into the mother tongue and vice versa. Examples of subjects in this Detailed Field include:

- interpreting
- translating

**091927 Literature**

Literature is the study of written works valued for form of writing or expression. Examples of subjects in this Detailed Field include:

- rhetoric
- dramatic scripts
- fiction
- non-fiction prose
- poetry
- literary appreciation and criticism
- history of literature

**091999 Language and Literature n.e.c.**

This Detailed Field includes all Language and Literature not elsewhere classified. Examples of subjects in this Detailed Field include:

- deaf studies

**0921 ECONOMICS AND ECONOMETRICS**

Economics and Econometrics is the study of the production, consumption and transfer of wealth, and developing and analysing models which describe this behaviour.

The main purpose of this Narrow Field of education is to develop an understanding of economic theory and its relationship to the production, distribution and consumption of wealth, macroeconomic and microeconomic theories, the structure of the local economy and its relationship to overseas economies, and the effects of economic decisions on individual, business and government behaviour.

Courses in Narrow Field 0921 Economics and Econometrics develop skills in:

- analysing economic policy to determine the effect on individuals, businesses and the economy as a whole
- developing models of economic behaviour using quantitative techniques
- researching and preparing reports and studies on economic conditions, activities and policy decisions

This Narrow Field comprises the following Detailed Fields:

092101 Economics

092103 Econometrics

092199 Economics and Econometrics n.e.c.

**092101 Economics**

Economics is the study of the production, consumption and transfer of wealth. Examples of subjects in this Detailed Field include:

- economic change and development

- macroeconomic theory
- microeconomic theory

### **092103 Econometrics**

Econometrics is the study of analysing and describing economic data using mathematical and statistical methods. Examples of subjects in this Detailed Field include:

- cross-sectional analysis
- economic models and forecasting
- financial econometrics

### **092199 Economics and Econometrics n.e.c.**

This Detailed Field includes all Economics and Econometrics not elsewhere classified.

## **0923 SPORT AND RECREATION**

Sport and Recreation is the study of sport, recreational and leisure activities, their role in society, and the development of recreational and leisure programs.

The main purpose of this Narrow Field of education is to develop an understanding of principles of coaching, teaching, instructing, guiding, participating, officiating and programming sport and recreation activities and the rules and regulations governing them.

Courses in Narrow Field 0923 Sport and Recreation develop skills in:

- advising people on recreation and leisure programs suitable to their age, gender, fitness level and lifestyle
- developing recreation and leisure programs for individuals, groups and communities
- leading people in recreation and leisure programs in a safe and supportive manner

This Narrow Field comprises the following Detailed Fields:

092301 Sport and Recreation Activities

092303 Sports Coaching, Officiating and Instruction

092399 Sport and Recreation n.e.c.

Exclusions:

- Physical education teacher training. This is included in Detailed Field 070199 Teacher Education n.e.c.
- Human movement studies. This is included in Detailed Field 069903 Human Movement.

### **092301 Sport and Recreation Activities**

Sport and Recreation Activities is the study of the theory and practice of participating in various sporting and recreational activities. Examples of subjects in this Detailed Field include:

- individual sports
- outdoor recreation and adventure based activities
- team sports

### **092303 Sports Coaching, Officiating and Instruction**

Sports Coaching, Officiating and Instruction is the study of the techniques for coaching and instructing individuals and teams in various sporting activities. It includes studying the

techniques of officiating at various sporting events. Examples of subjects in this Detailed Field include:

- fitness program development
- fitness training
- recreation leadership
- sport rules and regulations
- coaching techniques and strategies

Exclusions:

- Sport psychology. This is included in Detailed Field 090701 Psychology.

### **092399 Sport and Recreation n.e.c.**

This Detailed Field includes all Sport and Recreation not elsewhere classified. Examples of subjects in this Detailed Field include:

- recreation and leisure program development

## **0999 OTHER SOCIETY AND CULTURE**

This Narrow Field includes all Society and Culture not elsewhere classified.

This Narrow Field comprises the following Detailed Fields:

099901 Family and Consumer Studies

099999 Society and Culture n.e.c.

### **099901 Family and Consumer Studies**

Family and Consumer Studies is the study of the wellbeing of individuals and families and the way that they manage resources to achieve their goals. Examples of subjects in this Detailed Field include:

- consumer advocacy
- consumer science
- family economic wellbeing
- home economics
- technological impacts on consumers

### **099999 Society and Culture n.e.c.**

This Detailed Field includes all Society and Culture not elsewhere classified. Examples of subjects in this Detailed Field include:

- private investigation
- road safety

## **10 RELIGION AND PHILOSOPHY**

Religion and Philosophy is the study of the nature and context of human spirituality and beliefs, and human experience, perception and interpretation of reality.

The theoretical content of Broad Field 10 Religion and Philosophy includes:

- ontology
- theology
- study of religions
- spirituality
- morality, ethics and logic

The main purpose of this Broad Field of education is to develop an understanding of perspectives of the divine and non-divine explanations of truth and reality; to apply these explanations to life situations; and to undertake religious practices.

This Broad Field comprises the following Narrow Fields:

1001 Religious Studies

1003 Philosophy

1099 Other Religion and Philosophy

Exclusions:

- Sharia law. This is included in Narrow Field 0910 Sharia.

### **1001 RELIGIOUS STUDIES**

Religious Studies is the study of human spirituality and beliefs.

The main purpose of this Narrow Field of education is to develop an understanding of theology, spirituality, and the responsibilities and practices associated with ministering from within a mosque, church or other religious institution.

Courses in Narrow Field 1001 Religion develop skills in:

- authenticating, studying and interpreting religious writings and texts
- ministering and counselling individuals and groups
- preparing and conducting services of public worship

This Narrow Field comprises the following Detailed Fields:

100101 Religious Studies

100103 Islamic Studies

100105 Christian Studies

100107 Judaic Studies

100109 Taoist Studies

100111 Hinduism Studies

100113 Buddhism Studies

1000199 Religion n.e.c.

#### **100101 Religious Studies**

Religious Studies is the study of a set of beliefs and practices, usually involving acknowledgement of one or more divine or higher being(s) or power(s), by which people order the conduct of their lives both practically and in a moral sense.

Examples of subjects in this Detailed Field include:

- theology
- spirituality
- comparative religion

### **100103 Islamic Studies**

Islamic Studies is the study of the Muslim faith, the Koran and the teachings of the Prophet Mohammed (Peace Be Upon Him). Examples of subjects in this Detailed Field include:

- Tafseer
- Hadeeth
- Aqidah (philosophy of faith) and usol al deen (principles of religion)

Exclusions:

- Sharia. This is included in Narrow Field 0911 Sharia.

### **100105 Christian Studies**

Christian Studies is the study of the Christian religion, the Bible and the teachings of Jesus Christ. Examples of subjects in this Detailed Field include:

- Bible studies
- Christian history and denominations
- Christian systems and structures

### **100107 Judaic Studies**

Judaic Studies is the study of the Jewish religion and the Torah and the teachings of Moses. Examples of subjects in this Detailed Field include:

- Torah and Talmud studies
- Judaic history
- Judaic systems and structures

### **100109 Hinduism Studies**

Hinduism Studies is the study of the Hindu system of belief and cultural practices. Examples of subjects in this Detailed Field include:

- Vedas text studies

### **100111 Buddhist Studies**

Buddhist Studies is the study of the Buddhist system of belief and cultural practices and the teachings of Buddha. Examples of subjects in this Detailed Field include:

- [not yet available]

### **100199 Religion n.e.c.**

This Detailed Field includes all Religion not elsewhere classified. Examples of subjects in this Detailed Field include:

- Chinese folk religions (incl. Taoism, Confucianism etc.)
- Sikhism
- Shintoism
- Bahá'í Faith
- Jainism
- Zoroastrianism
- Tribal religions (incl. Shamanism, Animism etc.)
- Athesm

- Agonisticism

### **1003 PHILOSOPHY**

Philosophy is the study of the nature and context of human experience, perception and interpretation of reality.

The main purpose of this Narrow Field of education is to develop an understanding of metaphysics, ethics, the perception of truth, being and reality.

Courses in Narrow Field 1003 Philosophy develop skills in:

- analysing, constructing and deconstructing arguments using the methods of critical reasoning
- applying theories of logic to rational argument
- evaluating belief systems, ethics and morals

This Narrow Field comprises the following Detailed Fields:

100301 Philosophy

100303 Ethics

100399 Philosophy n.e.c.

#### **100301 Philosophy**

Philosophy is the study of the fundamental nature of knowledge, reality and existence.

Examples of subjects in this Detailed Field include:

- empiricism and rationalism
- epistemology
- formal logic
- metaphysics
- ontology

Exclusions:

- Theology. This is included in Narrow Field 100101 Religious Studies.

#### **100303 Ethics**

Ethics is the study of systematizing, defending, and recommending concepts of right and wrong behavior. Examples of subjects in this Detailed Field include:

- metaethics
- normative ethics
- applied ethics

#### **100399 Philosophy n.e.c.**

This Detailed Field includes all Philosophy not elsewhere classified.

### **1099 OTHER RELIGION AND PHILOSOPHY**

This Narrow Field includes all Religion and Philosophy not elsewhere classified.

This Narrow Field comprises the following Detailed Fields:

099999 Religion and Philosophy n.e.c.

**109999 Religion and Philosophy n.e.c.**

This Detailed Field includes all Religion and Philosophy not elsewhere classified.

## 11 CREATIVE ARTS

Creative Arts is the study of creating and performing works of art, music, dance and drama. It includes the study of clothing design and creation, and communicating through a variety of media.

The theoretical content of Broad Field 11 Creative Arts includes:

- artistic and technical aspects of audio-visual communication
- artistic and technical aspects of creating and producing art and craft, photographs and fashion apparel
- artistic and technical aspects of creating, producing and performing music, dance and drama
- history, development and theory of the visual and performing arts

The main purpose of this Broad Field of education is to develop an understanding of composition, performance, artistic production, choreography, design and creativity, and technical production.

This Broad Field comprises the following Narrow Fields:

1101 Performing Arts  
 1103 Visual Arts and Crafts  
 1105 Graphic and Design Studies  
 1107 Communication and Media Studies  
 1199 Other Creative Arts

Exclusions:

- Mass production of products such as fashion apparel, woven materials, pottery and furniture. These are included in Narrow Field 0301 Manufacturing Engineering and Technology.
- Computer graphics. This is included in Detailed Field 020115 Computer Graphics.

### 1101 PERFORMING ARTS

Performing Arts is the study of creating and performing works of music, dance and drama.

The main purpose of this Narrow Field of education is to develop an understanding of the artistic and technical aspects of creating, producing and performing music, dance and drama, and the history, development and theory of performing arts. It also involves developing the ability to design, create and perform an original piece of work.

Courses in Narrow Field 1101 Performing Arts develop skills in:

- arranging, composing, transcribing and conducting musical compositions and scores
- choreographing and performing dance to harmonise with music and subject, illustrate a story, convey emotion or complement a musical show
- creating and interpreting roles for productions to communicate their subject and meaning
- critically analysing music form and harmony
- playing musical instruments or singing as a soloist or member of an ensemble, band, orchestra or choir
- producing and directing musical, comedy and drama performances
- writing plays and creating works for stage and screen

This Narrow Field comprises the following Detailed Fields:



110101 Music  
 110103 Drama and Theatre Studies  
 110105 Dance  
 110199 Performing Arts n.e.c.

### **110101 Music**

Music is the study of the history, theory, creation and performance of music. Examples of subjects in this Detailed Field include:

- music arranging, transcribing and conducting
- composition and song writing
- musicology
- individual and group voice and instrumental performance

### **110103 Drama and Theatre Studies**

Drama and Theatre Studies is the study of the history, theory, creation and performance of dramatic works. It includes speech, movement, mime, characterisation, improvisation and stage craft. Examples of subjects in this Detailed Field include:

- acting, voice and movement
- costumes and props
- scriptwriting
- interpreting stories and themes
- stage production directing
- stage management

### **110105 Dance**

Dance is the study of the history, theory, creation and performance of works of dance. Examples of subjects in this Detailed Field include:

- choreography
- dance improvisation
- dance technique
- dance notation and analysis

### **110199 Performing Arts n.e.c.**

This Detailed Field includes all Performing Arts not elsewhere classified. Examples of subjects in this Detailed Field include:

- animateuring

## **1103 VISUAL ARTS AND CRAFTS**

Visual Arts and Crafts is the study of non-literary visual forms of creative expression for artistic and aesthetic purposes.

The main purpose of this Narrow Field of education is to develop an understanding of the history, development and theory of the visual arts, and the artistic and technical aspects of creating and producing art and craft and photographs. It also involves developing the ability to design, create and exhibit an original piece of work.

Courses in Narrow Field 1103 Visual Arts and Crafts develop skills in:

- adjusting camera angles, settings and subjects to achieve the desired effect

- developing ideas for artistic presentation
- drawing, painting, sculpting and using other techniques to produce artistic objects
- selecting artistic media, methods and materials
- using appropriate equipment and techniques to produce high quality photographs
- using techniques to harmonise light, line, colour, design and form

This Narrow Field comprises the following Detailed Fields:

110301 Fine Arts  
 110303 Calligraphy  
 110305 Photography  
 110307 Crafts  
 110309 Jewellery Making  
 110311 Floristry  
 110399 Visual Arts and Crafts n.e.c.

### **110301 Fine Arts**

Fine Arts is the study of non-literary visual forms of creative expression for artistic and aesthetic purposes, and the methods of creating those forms. Examples of subjects in this Detailed Field include:

- art appreciation
- drawing
- painting
- sculpture

Exclusions:

- Art history. This is included in Detailed Field 090305 History.

### **110303 Calligraphy**

Calligraphy is the study of giving form to signs in an expressive, harmonious and skillful manner. Examples of subjects in this Detailed Field include:

- classical calligraphy
- calligraphic tools and techniques
- comparative practices in calligraphy (Islamic, Persian, Indian, Tibetan, Western)

### **110305 Photography**

Photography is the study of composing, taking, developing, printing, enlarging and presenting photographs for creative and practical purposes.

Examples of subjects in this Detailed Field include:

- photographic development
- view camera control and manipulation
- photo equipment technology
- photographic theory
- photographic lighting techniques

### **110307 Crafts**

Crafts is the study of fashioning individual objects for decorative, ornamental and functional purpose. Examples of subjects in this Detailed Field include:

- pottery
- batik
- ceramics

- embroidery
- tapestry
- woodcraft

### **110309 Jewellery Making**

Jewellery Making is the study of designing, producing and repairing ornaments for personal adornment. Examples of subjects in this Detailed Field include:

- lapidary
- gem settings
- jewellery design
- precious and non-precious metal working

### **110311 Floristry**

Floristry is the study of designing and displaying floral arrangements. Examples of subjects in this Detailed Field include:

- cut flower presentation
- floral design and colour
- floristry equipment
- floristry plant materials

### **110399 Visual Arts and Crafts n.e.c.**

This Detailed Field includes all Visual Arts and Crafts not elsewhere classified. Examples of subjects in this Detailed Field include:

- animation
- fashion consultancy

## **1105 GRAPHIC AND DESIGN STUDIES**

Graphic and Design Studies is the study of the techniques and skills necessary to design and produce finished work, and solve design and visual communication problems. It includes the study of clothing design and creation.

The main purpose of this Narrow Field of education is to develop an understanding of the artistic and technical aspects of creating and producing an original piece of work.

Courses in Narrow Field 1105 Graphic and Design Studies develop skills in:

- determining the objectives of design in consultation with management, sales and manufacturing staff and clients
- formulating design concepts for garments
- preparing illustrations and sketches to present design concepts
- supervising the production of sample garments
- using pictures and symbols to make a clear graphic statement

This Narrow Field comprises the following Detailed Fields:

- 110501 Graphic Arts and Design Studies
- 110503 Textile Design
- 110505 Fashion Design
- 110599 Graphic and Design Studies n.e.c.

Exclusions:

- Electronic (desktop) publishing. This is included in Detailed Field 030103 Printing.

### **110501 Graphic Arts and Design Studies**

Graphic Arts and Design Studies is the study of designing and producing visual representations of concepts and information. Examples of subjects in this Detailed Field include:

- three-dimensional design
- design theory
- design in context
- design drawing and illustration
- industrial arts

Exclusions:

Computer graphics. This is included in Detailed Field 020115 Computer Graphics.

### **110503 Textile Design**

Textile Design is the study of designing and producing textiles. Examples of subjects in this Detailed Field include:

- computer-aided textile design
- science of textiles
- woven tapestry and experimental textiles

### **110505 Fashion Design**

Fashion Design is the study of creatively combining line, form and fabric in designing and constructing fashion garments. Examples of subjects in this Detailed Field include:

- history and theory of fashion
- fashion drawing and illustration
- garment pattern development
- fashion design concepts

### **110599 Graphic and Design Studies n.e.c.**

This Detailed Field includes all Graphic and Design Studies not elsewhere classified. Examples of subjects in this Detailed Field include:

- furniture design
- wood design
- footwear design

## **1107 COMMUNICATION AND MEDIA STUDIES**

Communication and Media Studies is the study of creating, producing, disseminating and evaluating messages. The main purpose of this Narrow Field of education is to develop an understanding of the artistic and technical aspects of audio-visual communication. It also involves developing the ability to communicate effectively in writing and verbally.

Courses in Narrow Field 1107 Communication and Media Studies develop skills in:

- collecting and analysing facts about events and individuals
- editing films, video tapes and digital media, and adding sound tracks

- planning, directing and co-ordinating the filming of motion picture and television programs
- producing and transmitting messages and evaluating their effectiveness
- recording and broadcasting radio productions
- writing reports, commentaries and stories

This Narrow Field comprises the following Detailed Fields:

110701 Audio Visual Studies

110703 Journalism

110705 Written Communication

110707 Verbal Communication

110799 Communication and Media Studies n.e.c.

Exclusions:

- Electronic (desktop) publishing. This is included in Detailed Field 030103 Printing.

### **110701 Audio Visual Studies**

Audio Visual Studies is the study of producing films and videos, and television and radio programs. Examples of subjects in this Detailed Field include:

- audio visual equipment operation
- cinema studies
- film and video editing
- film theory
- radio program production
- television program production
- sound production

### **110703 Journalism**

Journalism is the study of researching current affairs and events and other matters of interests and reporting them. Examples of subjects in this Detailed Field include:

- editing
- newspaper layout
- news gathering techniques
- television and radio news scripting
- reporting and writing for the media

### **110705 Written Communication**

Written Communication is the study of developing effective written communication skills. Examples of subjects in this Detailed Field include:

- copy writing
- letter writing
- poetry writing
- story writing
- technical writing

### **110707 Verbal Communication**

Verbal Communication is the study of developing effective verbal communication skills. Examples of subjects in this Detailed Field include:

- debating
- public speaking

**110799 Communication and Media Studies n.e.c.**

This Detailed Field includes all Communication and Media Studies not elsewhere classified. Examples of subjects in this Detailed Field include:

- multimedia
- photomedia and photography

**1199 OTHER CREATIVE ARTS**

This Narrow Field includes all Creative Arts not elsewhere classified.

This Narrow Field comprises the following Detailed Field:

119999 Creative Arts n.e.c.

**119999 Creative Arts n.e.c.**

This Detailed Field includes all Creative Arts not elsewhere classified. Examples of subjects in this Detailed Field include:

- art criticism

## 12 PERSONAL SERVICES

Food, Hospitality and Personal Services is the study of preparing, displaying and serving food and beverages, providing hospitality services, caring for the hair and body for grooming and beautification, and other personal services.

The theoretical content of Broad Field 12 Food, Hospitality and Personal Services includes:

- application and use of skin care and cosmetic products
- general beauty care
- hair cutting, styling, colouring and treatment techniques
- housekeeping
- hygienic work practices in relation to the food and hospitality industry
- preparation, display and service of food and beverages

The main purpose of this Broad Field of education is to develop an understanding of the preparation of food and beverages, and the provision of hospitality services including housekeeping, cleaning and food and beverage service. It also involves developing a knowledge of beautification and beauty treatments.

This Broad Field comprises the following Narrow Fields:

1201 Food  
 1203 Hospitality and Tourism  
 1205 Personal Presentation  
 1299 Personal Services n.e.c.

### 1201 FOOD

Food and Hospitality is the study of preparing, presenting and serving food and beverages, and providing hospitality services.

The main purpose of this Narrow Field of education is to develop an understanding of the preparation of food and beverages, and the provision of hospitality services including front office operations, housekeeping and food and beverage service.

Courses in Narrow Field 1201 Food and Hospitality develop skills in:

- operating butchery and cooking machinery
- organising and supervising housekeeping services
- planning menus
- preparing and cooking meats, fish, vegetables and other foods
- providing customer service

This Narrow Field comprises the following Detailed Fields:

120101 Food and Beverage Service  
 120103 Butchery  
 120105 Fishmonger Studies  
 120107 Baking and Pastry-making  
 120109 Cookery  
 120111 Food Hygiene  
 120199 Food n.e.c.

Exclusions:

- Hospitality management. This is included in Detailed Field 080323 Hospitality Management.

**120101 Food and Beverage Service**

Food and Beverage Service is the study of serving and presenting food and beverages. Examples of subjects in this Detailed Field include:

- cellar operations
- drink preparation
- silver service
- table setting
- taking and serving meal orders

**120103 Butchery**

Butchery is the study of cutting and preparing meat. It includes small-scale sausage and smallgoods making. Examples of subjects in this Detailed Field include:

- boning
- livestock slaughtering techniques
- minced meat product preparation
- seasoning, pickling and curing meats
- shaping and tying roasts and poultry
- cuts of meat

Exclusions:

- Smallgoods manufacture. This is included in Detailed Field 030309 Food Processing Technology.

**120105 Fishmonger Studies**

Fishmonger Studies is the study of cutting, preparing and selling fish and seafood. Examples of subjects in this Detailed Field include:

- identification of different types of fish and seafood
- scaling, boning, filleting and other cuts of fish
- shelling seafood
- fish and seafood presentation

Exclusions:

- Smallgoods manufacture. This is included in Detailed Field 030309 Food Processing Technology.

**120107 Baking and Pastrymaking**

Baking and Pastrymaking is the study of making and presenting breads, pastries, buns and cakes. Examples of subjects in this Detailed Field include:

- cake and spongemaking
- cake decoration
- fundamentals of breadmaking
- fundamentals of pastry cooking
- rye breads
- sweet yeast products

**120109 Cookery**

Cookery is the study of preparing food. It includes the development of recipes. Examples of subjects in this Detailed Field include:

- a la carte and table d'hôte operations
- appetisers, salads, sandwiches and desserts



- kitchen management
- mise-en-place and food preparation
- meat, poultry and seafood
- stocks, sauces and soups

### **120111 Food Hygiene**

Food Hygiene is the study of the principles and regulations of food safe handling and preparation. Examples of subjects in this Detailed Field include:

- food safety procedures
- hygienic food handling procedures
- hazard analysis critical control points (HACCP)
- food contamination
- food storage and temperature control

### **120199 Food n.e.c.**

This Detailed Field includes all Food not elsewhere classified. Examples of subjects in this Detailed Field include:

- gaming inspection

## **1203 TOURISM AND HOSPITALITY**

Tourism and Hospitality is the study of the structure and operations of the hospitality and tourism industries, tour guiding, and ticketing and reservation practices, hotel management and restaurant services. The main purpose of this Narrow Field of education is to develop the ability to plan, direct and organise tourism operations so that a quality service is provided efficiently and effectively. It also involves developing an understanding of the theories of promoting tourism services.

Courses in Narrow Field 1203 Tourism and Hospitality develop skills in:

- providing information and advice to clients regarding itineraries, destinations and accommodation
- arranging accommodation and travel

This Narrow Field comprises the following Detailed Field:

120301 Hospitality

120303 Heritage

120305 Tourism

120399 Tourism and Hospitality n.e.c.

### **120301 Hospitality**

Hospitality is the study of providing reception, accommodation, entertainment, food, beverages and related services to patrons at hotels, motels, clubs, restaurants, caravan parks, etc. Examples of subjects in this Detailed Field include:

- front office operations
- guest relations
- club and gaming operations
- catering operations

**120303 Heritage**

Heritage is the study of understanding, protecting and promoting the value of Oman's traditional sites, architecture and practices in a sustainable fashion. Examples of subjects in this Detailed Field include:

- [Not yet available]

**120305 Tourism**

Tourism is the study of the structure and operations of the tourism industry, tour guiding, and ticketing and reservation practices. Examples of subjects in this Detailed Field include:

- accommodation and travel reservations
- ecotourism
- fares and ticketing
- tourist attractions and itinerary preparation
- travel agency procedures
- charter tours

Exclusions:

- Tourism management. This is included in Detailed Field 080327 Tourism Management.

**120399 Tourism and Hospitality n.e.c.**

This Detailed Field includes all Tourism and Hospitality not elsewhere classified. Examples of subjects in this Detailed Field include:

- housekeeping

**1205 PERSONAL PRESENTATION**

Personal Presentation is the study of caring for the hair and body for grooming and beautification.

The main purpose of this Narrow Field of education is to develop an understanding of the scalp, facial and body hair, the skin, beautification and beauty treatments.

Courses in Narrow Field 1205 Personal Presentation develop skills in:

- analysing and advising clients on hairstyles and general beauty care
- applying make-ups, creams and lotions, and giving facial massages
- cutting, filing, sculpting, painting and polishing finger and toe nails
- cutting, colouring and styling hair
- tinting, bleaching and removing facial and body hairs
- using appliances and cosmetic masks to treat the skin and body

This Narrow Field comprises the following Detailed Fields:

120501 Beauty Therapy

120503 Hairdressing

120505 Henna and Tattooing

120599 Personal Presentation n.e.c.

Exclusions:

- Cosmetic surgery. This is included in Detailed Field 060103 Surgery.

**120501 Beauty Therapy**

Beauty Therapy is the study of maintaining and beautifying the face and body. Examples of subjects in this Detailed Field include:

- electrolysis
- make-up artistry
- nail technology
- piercing
- skin treatments
- body painting

**120503 Hairdressing**

Hairdressing is the study of cutting, colouring and styling scalp and facial hair. Examples of subjects in this Detailed Field include:

- beard trimming
- colouring techniques
- classic and fashion cutting techniques
- hair extensions
- perming techniques

**120505 Henna and Tattooing**

Henna and Tattooing is the study of adding temporary or permanent designs to the skin using henna or tattooing techniques, and of the traditions and meanings associated with henna and tattoo designs. Examples of subjects in this Detailed Field include:

- Henna
- Tattooing
- History of Henna and Tattooing

**120599 Personal Services n.e.c.**

This Detailed Field includes all Personal Services not elsewhere classified. Examples of subjects in this Detailed Field include:

- embalming
- funeral services

Exclusions:

- Massage. This is included in Detailed Field 061711 Massage Therapy.

**1299 OTHER PERSONAL SERVICES**

This Narrow Field includes all Personal Services not elsewhere classified.

This Narrow Field comprises the following Detailed Field:

129999 Creative Arts n.e.c.

**129999 Personal Services n.e.c.**

This Detailed Field includes all Personal Services not elsewhere classified. Examples of subjects in this Detailed Field include:

- [Not yet available]

### **13 COMBINED BROAD FIELDS**

Programs of Study may have double majors (i.e. two majors each of equal credit value) in which each major comes from within a different Broad Field of Study. This Broad Field is used to classify those programs.

## **Part Three: Appendices**

## ISCED GROUPINGS

ISCED is the International Standard Classification of Education framework adopted by UNESCO in 1997. The full version of ISCED is freely available online at: [http://www.unesco.org/education/information/nfsunesco/doc/isced\\_1997.htm](http://www.unesco.org/education/information/nfsunesco/doc/isced_1997.htm).

\* The numbering used in this table for the Broad Groups were developed through a EUROSTAT project in cooperation with UNESCO and OECD. They are not yet an official part of ISCED and have been added here only to facilitate the OSCED→ISCED conversions.

Broad Group*	Field of Education	Content
0 General Programmes	01 Basic Programmes	Basic general programmes pre-primary, elementary, primary, secondary, etc.
	08 Literacy and Numeracy	Simple and functional literacy, numeracy.
	09 Personal Development	Enhancing personal skills, e.g. behavioural capacities, mental skills, personal organizational capacities, life orientation programmes.
1 Education	14 Teacher Training and Education Science	Teacher training for pre-school, kindergarten, elementary school, vocational, practical, non-vocational subject, adult education, teacher trainers and for handicapped children. General and specialized teacher training programmes. Education science: curriculum development in non-vocational and vocational subjects. Educational assessment, testing and measurement, educational research, other education science.
2 Humanities and Arts	21 Arts	Fine arts: drawing, painting, sculpture; Performing arts: music, drama, dance, circus; Graphic and audio-visual arts: photography, cinematography, music production, radio and TV production, printing and publishing; Design; Craft skills.
	22 Humanities	Religion and theology; Foreign languages and cultures: living or 'dead' languages and their literature, area studies; Native languages: current or vernacular language and its literature; Other humanities: interpretation and translation, linguistics, comparative literature, history, archaeology, philosophy, ethics.
3 Social Sciences, Business and Law	31 Social and Behavioural Science	Economics, economic history, political science, sociology, demography, anthropology (except physical anthropology), ethnology, futurology, psychology, geography (except physical geography), peace and conflict studies, human rights.
	32 Journalism and Information	Journalism; library technician and science; technicians in museums and similar repositories; Documentation techniques; Archival sciences.
	34 Business and Administration	Retailing, marketing, sales, public relations, real estate; Finance, banking, insurance, investment analysis; Accounting, auditing, bookkeeping; Management, public administration, institutional administration, personnel administration; Secretarial and office work.
	38 Law	Local magistrates, 'notaires', law (general, international, labour, maritime, etc.), jurisprudence, history of law.
4 Science	42 Life Sciences	Biology, botany, bacteriology, toxicology, microbiology, zoology, entomology, ornithology, genetics, biochemistry,

		biophysics, other allied sciences, excluding clinical and veterinary sciences.
	44 Physical Sciences	Astronomy and space sciences, physics, other allied subjects, chemistry, other allied subjects, geology, geophysics, mineralogy, physical anthropology, physical geography and other geosciences, meteorology and other atmospheric sciences including climatic research, marine science, vulcanology, palaeoecology.
	46 Mathematics and Statistics	Mathematics, operations research, numerical analysis, actuarial science, statistics and other allied fields.
	48 Computing	Computer sciences: system design, computer programming, data processing, networks, operating systems - software development only (hardware development should be classified with the engineering fields).
5 Engineering, Manufacturing and Construction	52 Engineering and Engineering Trades	Engineering drawing, mechanics, metal work, electricity, electronics, telecommunications, energy and chemical engineering, vehicle maintenance, surveying.
	54 Manufacturing and Processing	Food and drink processing, textiles, clothes, footwear, leather, materials (wood, paper, plastic, glass, etc.), mining and extraction.
	58 Architecture and Building	Architecture and town planning: structural architecture, landscape architecture, community planning, cartography; Building, construction; Civil engineering.
6 Agriculture	62 Agriculture, Forestry and Fishery	Agriculture, crop and livestock production, agronomy, animal husbandry, horticulture and gardening, forestry and forest product techniques, natural parks, wildlife, fisheries, fishery science and technology.
	64 Veterinary	Veterinary medicine, veterinary assisting.
7 Health and Welfare	72 Health	Medicine: anatomy, epidemiology, cytology, physiology, immunology and immunoaematology, pathology, anaesthesiology, paediatrics, obstetrics and gynaecology, internal medicine, surgery, neurology, psychiatry, radiology, ophthalmology; Medical services: public health services, hygiene, pharmacy, pharmacology, therapeutics, rehabilitation, prosthetics, optometry, nutrition; Nursing: basic nursing, midwifery; Dental services: dental assisting, dental hygienist, dental laboratory technician, odontology.
	76 Social Services	Social care: care of the disabled, child care, youth services, gerontological services; Social work: counselling, welfare n.e.c.
8 Services	81 Personal Services	Hotel and catering, travel and tourism, sports and leisure, hairdressing, beauty treatment and other personal services: cleaning, laundry, dry-cleaning, cosmetic services, domestic science.
	84 Transport Services	Seamanship, ship's officer, nautical science, air crew, air traffic control, railway operations, road motor vehicle operations, postal service.
	85 Environmental Protection	Environmental conservation, control and protection, air and water pollution control, labour protection and security.
	86 Security Services	Protection of property and persons: police work and related law enforcement, criminology, fire-protection and fire fighting, civil security; Military.
9 Not known or unspecified	99 Not known or unspecified	(This category is not part of the classification itself but in data collection '99' is needed for 'fields of education not known or unspecified'.)

**CONVERSION TABLE: OSCED → ISCED**

Please note that this conversion table is a guide only and has not been formally agreed between Oman and UNESCO.

Where the relationship between an OSCED field of study and an ISCED field of study is surmised rather than explicit, the ISCED field is shown in *italics*.

<b>OSCED Fields of Education</b>	<b>ISCED Fields of Education</b>
<b>01 Natural &amp; Physical Sciences</b>	<b>4 Science</b>
0101 Mathematical Sciences	46 Mathematics & Statistics
010101 Mathematics	46 Mathematics & Statistics
010103 Statistics	46 Mathematics & Statistics
010199 Mathematical Sciences n.e.c.	<i>46 Mathematics &amp; Statistics</i>
0103 Physics & Astronomy	44 Physical Sciences
010301 Physics	44 Physical Sciences
010303 Astronomy	44 Physical Sciences
010399 Physics & Astronomy n.e.c.	<i>44 Physical Sciences</i>
0105 Chemical Sciences	44 Physical Sciences
010501 Organic Chemistry	44 Physical Sciences
010503 Inorganic Chemistry	44 Physical Sciences
010599 Chemical Sciences n.e.c.	<i>44 Physical Sciences</i>
0107 Earth Sciences	44 Physical Sciences
010701 Atmospheric Sciences	44 Physical Sciences
010703 Geology	44 Physical Sciences
010705 Geophysics	44 Physical Sciences
010707 Geochemistry	44 Physical Sciences
010709 Soil Science	<i>44 Physical Sciences</i>
010711 Hydrology	<i>44 Physical Sciences</i>
010713 Oceanography	<i>44 Physical Sciences</i>
010799 Earth Sciences n.e.c.	<i>44 Physical Sciences</i>
0109 Biological Sciences	42 Life Sciences
010901 Biochemistry & Cell Biology	42 Life Sciences
010903 Botany	42 Life Sciences
010905 Ecology & Evolution	99 Not known or unspecified
010907 Marine Science	44 Physical Sciences
010909 Genetics	42 Life Sciences
010911 Microbiology	42 Life Sciences
010913 Human Biology	42 Life Sciences
010915 Zoology	42 Life Sciences
010999 Biological Sciences n.e.c.	<i>42 Life Sciences</i>
0199 Other Natural & Physical Sciences	<b>4 Science</b>
019901 Medical Science	99 Not known or unspecified
019903 Forensic Science	99 Not known or unspecified
019905 Food Science & Biotechnology	99 Not known or unspecified
019907 Pharmacology	72 Health
019909 Laboratory Technology	99 Not known or unspecified
019999 Natural & Physical Sciences n.e.c.	<b>4 Science</b>
02 Information Technology	<i>48 Computing</i>
0201 Computer Science	48 Computing
020101 Formal Language Theory	<i>48 Computing</i>
020103 Programming	48 Computing
020105 Computational Theory	<i>48 Computing</i>
020107 Compiler Construction	<i>48 Computing</i>
020109 Algorithms	<i>48 Computing</i>
020111 Data Structures	<i>48 Computing</i>
020113 Networks, Communications & The Internet	48 Computing



020115 Computer Graphics	<i>48 Computing</i>
020117 Operating Systems	<i>48 Computing</i>
020119 Artificial Intelligence	<i>48 Computing</i>
020199 Computer Science n.e.c.	<i>48 Computing</i>
0203 Information Systems	<i>99 Not known or unspecified</i>
020301 Conceptual Modelling	<i>99 Not known or unspecified</i>
020303 Database Management	<i>99 Not known or unspecified</i>
020305 Systems Analysis & Design	<i>99 Not known or unspecified</i>
020307 Decision Support Systems	<i>99 Not known or unspecified</i>
020399 Information Systems n.e.c.	<i>99 Not known or unspecified</i>
0299 Other Information Technology	<i>99 Not known or unspecified</i>
029901 Electronic Security Science	<i>99 Not known or unspecified</i>
029999 Information Technology n.e.c.	<i>99 Not known or unspecified</i>
<b>03 Engineering &amp; Related Technologies</b>	<b>5 Engineering, Manufacturing &amp; Construction</b>
0301 Manufacturing Engineering & Technology	<i>54 Manufacturing &amp; Processing</i>
030101 Manufacturing Engineering	<i>54 Manufacturing &amp; Processing</i>
030103 Printing	<i>21 Arts</i>
030105 Textile Making	<i>54 Manufacturing &amp; Processing</i>
030107 Garment Making	<i>54 Manufacturing &amp; Processing</i>
030109 Footwear Making	<i>54 Manufacturing &amp; Processing</i>
030111 Wood Machining & Turning	<i>54 Manufacturing &amp; Processing</i>
030113 Cabinet Making	<i>54 Manufacturing &amp; Processing</i>
030115 Furniture Upholstery & Renovation	<i>54 Manufacturing &amp; Processing</i>
030117 Furniture Polishing	<i>54 Manufacturing &amp; Processing</i>
030199 Manufacturing Engineering & Technology n.e.c.	<i>54 Manufacturing &amp; Processing</i>
0303 Process & Resources Engineering	<i>54 Manufacturing &amp; Processing</i>
030301 Chemical Engineering	<i>52 Engineering &amp; Engineering Trades</i>
030303 Mining Engineering	<i>54 Manufacturing &amp; Processing</i>
030305 Oil & Gas Engineering	<i>52 Engineering &amp; Engineering Trades</i>
030307 Materials Engineering	<i>54 Manufacturing &amp; Processing</i>
030309 Food Processing Technology	<i>54 Manufacturing &amp; Processing</i>
030399 Process & Resources Engineering n.e.c.	<i>54 Manufacturing &amp; Processing</i>
0305 Automotive Engineering & Technology	<i>52 Engineering &amp; Engineering Trades</i>
030501 Automotive Engineering	<i>52 Engineering &amp; Engineering Trades</i>
030503 Vehicle Mechanics	<i>52 Engineering &amp; Engineering Trades</i>
030505 Automotive Electrics & Electronics	<i>52 Engineering &amp; Engineering Trades</i>
030507 Automotive Vehicle Refinishing	<i>52 Engineering &amp; Engineering Trades</i>
030509 Automotive Body Construction	<i>52 Engineering &amp; Engineering Trades</i>
030511 Panel Beating	<i>52 Engineering &amp; Engineering Trades</i>
030513 Upholstery & Vehicle Trimming	<i>52 Engineering &amp; Engineering Trades</i>
030515 Automotive Vehicle Operations	<i>52 Engineering &amp; Engineering Trades</i>
030599 Automotive Engineering & Technology n.e.c.	<i>52 Engineering &amp; Engineering Trades</i>
0307 Mechanical & Industrial Engineering & Technology	<i>52 Engineering &amp; Engineering Trades</i>
030701 Mechanical Engineering	<i>52 Engineering &amp; Engineering Trades</i>
030703 Industrial Engineering	<i>52 Engineering &amp; Engineering Trades</i>
030705 Toolmaking	<i>52 Engineering &amp; Engineering Trades</i>
030707 Metal Fitting, Turning & Machining	<i>52 Engineering &amp; Engineering Trades</i>
030709 Sheetmetal Working	<i>52 Engineering &amp; Engineering Trades</i>
030711 Boilermaking & Welding	<i>52 Engineering &amp; Engineering Trades</i>
030713 Metal Casting & Patternmaking	<i>52 Engineering &amp; Engineering Trades</i>
030715 Precision Metalworking	<i>52 Engineering &amp; Engineering Trades</i>
030717 Plant & Machine Operations	<i>52 Engineering &amp; Engineering Trades</i>
030799 Mechanical & Industrial Engin. & Technology n.e.c.	<i>52 Engineering &amp; Engineering Trades</i>
0309 Civil Engineering	<i>58 Architecture &amp; Building</i>
030901 Construction Engineering	<i>58 Architecture &amp; Building</i>
030903 Structural Engineering	<i>58 Architecture &amp; Building</i>

030905 Building Services Engineering	<i>58 Architecture &amp; Building</i>
030907 Water & Sanitary Engineering	<i>85 Environmental Protection</i>
030909 Transport Engineering	<i>52 Engineering &amp; Engineering Trades</i>
030911 Geotechnical Engineering	<i>52 Engineering &amp; Engineering Trades</i>
030913 Ocean Engineering	<i>52 Engineering &amp; Engineering Trades</i>
030999 Civil Engineering n.e.c.	<i>52 Engineering &amp; Engineering Trades</i>
0311 Geomatic Engineering	<i>58 Architecture &amp; Building</i>
031101 Land Surveying	<i>58 Architecture &amp; Building</i>
031103 Mapping Science	<i>58 Architecture &amp; Building</i>
031199 Geomatic Engineering n.e.c.	<i>58 Architecture &amp; Building</i>
0313 Electrical & Electronic Engineering & Technology	<i>52 Engineering &amp; Engineering Trades</i>
031301 Electrical Engineering	<i>52 Engineering &amp; Engineering Trades</i>
031303 Electronic Engineering	<i>52 Engineering &amp; Engineering Trades</i>
031305 Computer Engineering	<i>52 Engineering &amp; Engineering Trades</i>
031307 Communications Technologies	<i>52 Engineering &amp; Engineering Trades</i>
031309 Communications Equipment Installation & Maintenance	<i>52 Engineering &amp; Engineering Trades</i>
031311 Powerline Installation & Maintenance	<i>52 Engineering &amp; Engineering Trades</i>
031313 Electrical Fitting, Electrical Mechanics	<i>52 Engineering &amp; Engineering Trades</i>
031315 Refrigeration & Air Conditioning Mechanics	<i>52 Engineering &amp; Engineering Trades</i>
031317 Electronic Equipment Servicing	<i>52 Engineering &amp; Engineering Trades</i>
031399 Electrical & Electronic Engin. & Technology n.e.c.	<i>52 Engineering &amp; Engineering Trades</i>
0315 Aerospace Engineering & Technology	<i>52 Engineering &amp; Engineering Trades</i>
031501 Aerospace Engineering	<i>52 Engineering &amp; Engineering Trades</i>
031503 Aircraft Maintenance Engineering	<i>52 Engineering &amp; Engineering Trades</i>
031505 Aircraft Operation	<i>84 Transport Services</i>
031507 Air Traffic Control	<i>84 Transport Services</i>
031599 Aerospace Engineering & Technology n.e.c.	<i>52 Engineering &amp; Engineering Trades</i>
0317 Maritime Engineering & Technology	<i>52 Engineering &amp; Engineering Trades</i>
031701 Maritime Engineering	<i>52 Engineering &amp; Engineering Trades</i>
031703 Marine Construction	<i>52 Engineering &amp; Engineering Trades</i>
031705 Marine Craft Operation	<i>84 Transport Services</i>
031799 Maritime Engineering & Technology n.e.c.	<i>52 Engineering &amp; Engineering Trades</i>
0319 Railway Engineering & Technology	<i>52 Engineering &amp; Engineering Trades</i>
031901 Railway Engineering	<i>52 Engineering &amp; Engineering Trades</i>
031903 Train & Light Rail Maintenance	<i>52 Engineering &amp; Engineering Trades</i>
031905 Rail Operations	<i>84 Transport Services</i>
031907 Railway Control	<i>84 Transport Services</i>
031999 Railway Engineering & Technology n.e.c.	<i>52 Engineering &amp; Engineering Trades</i>
0321 Agricultural Engineering & Technology	<i>99 Not known or unspecified</i>
032101 Farm Machinery	<i>99 Not known or unspecified</i>
032199 Agricultural Engineering & Technology n.e.c.	<i>99 Not known or unspecified</i>
0323 Nuclear Engineering & Technology	<i>99 Not known or unspecified</i>
032301 Mining Materials For Nuclear Purposes	<i>99 Not known or unspecified</i>
032303 Nuclear Processing & Product Development	<i>99 Not known or unspecified</i>
032305 Nuclear Safety & Regulations	<i>99 Not known or unspecified</i>
032307 Nuclear Waste Management	<i>99 Not known or unspecified</i>
032399 Nuclear Engineering & Technology n.e.c.	<i>99 Not known or unspecified</i>
0399 Other Engineering & Related Technologies	<b><i>5 Engineering, Manufacturing &amp; Instruction</i></b>
039901 Environmental Engineering & Pollution Control	<i>85 Environmental Protection</i>
039903 Biomedical Engineering	<i>99 Not known or unspecified</i>
039905 Mechatronics & Robotics	<i>99 Not known or unspecified</i>
039907 Fire Technology	<i>86 Security Services</i>
039909 Cleaning	<i>81 Personal Services</i>
039999 Engineering & Related Technologies n.e.c.	<b><i>5 Engineering, Manufacturing &amp; Construction</i></b>



060109 Paediatrics	72 Health
060111 Anaesthesiology	72 Health
060113 Pathology	72 Health
060115 Radiology	72 Health
060117 Internal Medicine	72 Health
060119 General Practice	72 Health
060199 Medical Studies n.e.c.	72 Health
0603 Nursing	72 Health
060301 General Nursing	72 Health
060303 Midwifery	72 Health
060305 Mental Health Nursing	72 Health
060307 Community Nursing	72 Health
060309 Critical Care Nursing	72 Health
060311 Aged Care Nursing	72 Health
060313 Palliative Care Nursing	72 Health
060315 Family & Child Health Nursing	72 Health
060399 Nursing n.e.c.	72 Health
0605 Pharmacy	72 Health
060501 Pharmacy	72 Health
060599 Pharmacy n.e.c.	72 Health
0607 Dental Studies	72 Health
060701 Dentistry	72 Health
060703 Dental Hygiene	72 Health
060705 Dental Assisting	72 Health
060707 Dental Technology	72 Health
060799 Dental Studies n.e.c.	72 Health
0609 Optical Science	72 Health
060901 Optometry	72 Health
060903 Optical Technology	72 Health
060999 Optical Science n.e.c.	72 Health
0611 Veterinary Studies	64 Veterinary
061101 Veterinary Science	64 Veterinary
061103 Veterinary Assisting	64 Veterinary
061199 Veterinary Studies n.e.c.	64 Veterinary
0613 Public Health	72 Health
061301 Occupational Health & Safety	72 Health
061303 Environmental Health	72 Health
061305 Women's Health	72 Health
061307 Health Promotion	72 Health
061309 Community Health	72 Health
061311 Epidemiology	72 Health
061399 Public Health n.e.c.	72 Health
0615 Radiography	72 Health
061501 Radiography	72 Health
061599 Radiography n.e.c.	72 Health
0617 Rehabilitation Therapies	72 Health
061701 Physiotherapy	72 Health
061703 Occupational Therapy	72 Health
061705 Chiropractic & Osteopathy	72 Health
061707 Speech Pathology	72 Health
061709 Audiology	72 Health
061711 Massage Therapy	72 Health
061713 Podiatry	72 Health
061799 Rehabilitation Therapies n.e.c.	72 Health
0619 Complementary Therapies	99 Not known or unspecified
061901 Naturopathy	99 Not known or unspecified
061903 Acupuncture	99 Not known or unspecified
061905 Traditional Chinese Medicine	99 Not known or unspecified
061999 Complementary Therapies n.e.c.	99 Not known or unspecified
0699 Other Health	72 Health

069901 Nutrition & Dietetics	72 Health
069903 Human Movement	72 Health
069905 Paramedical Studies	72 Health
069907 First Aid	72 Health
069999 Health n.e.c.	72 Health
<b>07 Education</b>	<b>1 Education</b>
0701 Teacher Education	14 Teacher Training & Education Science
070101 Teacher Education: Early Childhood	14 Teacher Training & Education Science
070103 Teacher Education: Primary	14 Teacher Training & Education Science
070105 Teacher Education: Secondary	14 Teacher Training & Education Science
070107 Teacher Education: Vocational Educ. & Training	14 Teacher Training & Education Science
070109 Teacher Education: Higher Education	14 Teacher Training & Education Science
070111 Teacher Education: Special Education	14 Teacher Training & Education Science
070113 Teacher Librarianship	14 Teacher Training & Education Science
070115 English as a Second Language Teaching	14 Teacher Training & Education Science
070199 Teacher Education n.e.c.	14 Teacher Training & Education Science
0703 Curriculum & Education Studies	14 Teacher Training & Education Science
070301 Curriculum Studies	14 Teacher Training & Education Science
070303 Education Studies	14 Teacher Training & Education Science
070305 Education Systems & Policies	99 Not known or unspecified
070399 Curriculum & Education Studies n.e.c.	14 Teacher Training & Education Science
0705 General Education Programs	14 Teacher Training & Education Science
070501 General Foundation Programs	14 Teacher Training & Education Science
070503 Learning Skills Programs	14 Teacher Training & Education Science
070599 General Education Programs n.e.c.	14 Teacher Training & Education Science
0707 Social Skills Programs	09 Personal Development
070701 Social & Interpersonal Skills Programs	09 Personal Development
070703 Survival Skills Programs	09 Personal Development
070705 Parental Education Programs	09 Personal Development
070799 Social Skills Programs n.e.c.	09 Personal Development
0709 Employment Skills Programs	09 Personal Development
070901 Career Development Programs	09 Personal Development
070903 Job Search Skills Programs	09 Personal Development
070905 Work Practices Programs	09 Personal Development
070999 Employment Skills Programs n.e.c.	09 Personal Development
0799 Other Education	<b>1 Education</b>
079999 Education n.e.c.	<b>1 Education</b>
<b>08 Management &amp; Commerce</b>	34 Business & Administration
0801 Accounting	34 Business & Administration
080101 Accounting	34 Business & Administration
080103 Financial Auditing	34 Business & Administration
080105 Taxation	34 Business & Administration
080199 Accounting n.e.c.	34 Business & Administration
0803 Business & Management	34 Business & Administration
080301 Business Management	34 Business & Administration
080303 Organisation Management	34 Business & Administration
080305 Organisation Governance	34 Business & Administration
080307 Quality Management	34 Business & Administration
080309 Risk Management	34 Business & Administration
080311 Project Management	34 Business & Administration
080313 Human Resource Management	34 Business & Administration
080315 Personal Management Training	34 Business & Administration
080317 Industrial Relations	34 Business & Administration
080319 International Business	34 Business & Administration
080321 Public & Health Care Management	34 Business & Administration
080323 Hospitality Management	34 Business & Administration
080325 Farm Management & Agribusiness	34 Business & Administration
080327 Tourism Management	34 Business & Administration
080399 Business & Management n.e.c.	34 Business & Administration

0805	Sales & Marketing	34 Business & Administration
080501	Sales	34 Business & Administration
080503	Real Estate	34 Business & Administration
080505	Marketing	34 Business & Administration
080507	Advertising	<i>34 Business &amp; Administration</i>
080509	Public Relations	34 Business & Administration
080599	Sales & Marketing n.e.c.	<i>34 Business &amp; Administration</i>
0807	Office Studies	34 Business & Administration
080701	Secretarial & Clerical Studies	34 Business & Administration
080703	Keyboard Skills	<i>34 Business &amp; Administration</i>
080705	Practical Computing Skills	<i>34 Business &amp; Administration</i>
080799	Office Studies n.e.c.	<i>34 Business &amp; Administration</i>
0809	Banking, Finance & Related Fields	34 Business & Administration
080901	Banking & Finance	34 Business & Administration
080903	Islamic Banking & Finance	<i>34 Business &amp; Administration</i>
080905	Insurance & Actuarial Studies	34 Business & Administration
080907	Investment & Securities	34 Business & Administration
080999	Banking, Finance & Related Fields n.e.c.	<i>34 Business &amp; Administration</i>
0899	Other Management & Commerce	<i>34 Business &amp; Administration</i>
089901	Purchasing, Warehousing & Distribution	<i>34 Business &amp; Administration</i>
089903	Valuation	<i>34 Business &amp; Administration</i>
089905	E-Business	<i>34 Business &amp; Administration</i>
089999	Management & Commerce n.e.c.	<i>34 Business &amp; Administration</i>
<b>09</b>	<b>Society &amp; Culture</b>	22 Humanities AND
0901	Political Science & Policy Studies	31 Social & Behavioural Science
090101	Political Science	31 Social & Behavioural Science
090103	Policy Studies	<i>31 Social &amp; Behavioural Science</i>
090199	Political Science & Policy Studies n.e.c.	<i>31 Social &amp; Behavioural Science</i>
0903	Studies in Human Society	<i>22 Humanities AND</i>
090301	Sociology	<i>31 Social &amp; Behavioural Science</i>
090303	Anthropology	31 Social & Behavioural Science
090305	History	22 Humanities
090307	Archaeology	22 Humanities
090309	Human Geography	31 Social & Behavioural Science
090311	Indigenous Studies	<i>31 Social &amp; Behavioural Science</i>
090313	Gender Specific Studies	<i>31 Social &amp; Behavioural Science</i>
090399	Studies in Human Society n.e.c.	<i>22 Humanities AND</i>
0905	Human Welfare Studies & Services	<i>31 Social &amp; Behavioural Science</i>
090501	Social Work	76 Social Services
090503	Children's Services	76 Social Services
090505	Youth Work	76 Social Services
090507	Care For The Aged	76 Social Services
090509	Care For The Disabled	76 Social Services
090511	Residential Client Care	<i>76 Social Services</i>
090513	Counselling	76 Social Services
090515	Welfare Studies	76 Social Services
090599	Human Welfare Studies & Services n.e.c.	76 Social Services
0907	Behavioural Science	31 Social & Behavioural Science
090701	Psychology	31 Social & Behavioural Science
090799	Behavioural Science n.e.c.	<i>31 Social &amp; Behavioural Science</i>
0909	Law	38 Law
090901	Business & Commercial Law	38 Law
090903	Constitutional Law	38 Law
090905	Criminal Law	38 Law
090907	Family Law	38 Law
090909	International Law	38 Law
090911	Taxation Law	38 Law

090913 Environmental Law	38 Law
090915 Legal Practice	38 Law
090999 Law n.e.c.	38 Law
0911 Sharia	99 Not known or unspecified
091101 Al Fequeh Wausoleh	99 Not known or unspecified
091103 Islamic Jurisprudence	99 Not known or unspecified
091199 Sharia n.e.c.	99 Not known or unspecified
0913 Justice & Law Enforcement	86 Security Services
091301 Justice Administration	<i>86 Security Services</i>
091303 Legal Studies	<i>86 Security Services</i>
091305 Criminology	86 Security Services
091307 Police Studies	86 Security Services
091309 Correctional Services	<i>86 Security Services</i>
091399 Justice & Law Enforcement n.e.c.	<i>86 Security Services</i>
0915 Defence & Security	86 Security Services
091501 Naval Studies	86 Security Services
091503 Army Studies	86 Security Services
091505 Air Force Studies	86 Security Services
091507 Coast Guard Studies	86 Security Services
091509 Customs Studies	<i>86 Security Services</i>
091511 Immigration Studies	<i>86 Security Services</i>
091513 Civil Security Services	86 Security Services
091599 Defence & Security n.e.c.	<i>86 Security Services</i>
0917 Librarianship, Information Management & Curatorial Studies	32 Journalism & Information
091701 Librarianship & Information Management	32 Journalism & Information
091703 Medical Records Management	32 Journalism & Information
091705 Curatorial Studies	32 Journalism & Information
091799 Librarianship & Information Management & Curatorial Studies n.e.c.	32 Journalism & Information
0919 Language & Literature	22 Humanities
091901 Linguistics	22 Humanities
091903 Arabic Language	22 Humanities
091905 Omani Indigenous Languages	22 Humanities
091907 English Language	22 Humanities
091909 Northern European Languages	22 Humanities
091911 Southern European Languages	22 Humanities
091913 Eastern European Languages	22 Humanities
091915 Southwest Asian & North African Languages	22 Humanities
091917 African Languages	22 Humanities
091919 Southern Asian Languages	22 Humanities
091921 Southeast Asian Languages	22 Humanities
091923 Eastern Asian Languages	22 Humanities
091925 Translating & Interpreting	22 Humanities
091927 Literature	22 Humanities
091999 Language & Literature n.e.c.	22 Humanities
0921 Economics & Econometrics	31 Social & Behavioural Science
092101 Economics	31 Social & Behavioural Science
092103 Econometrics	31 Social & Behavioural Science
092199 Economics & Econometrics n.e.c.	<i>31 Social &amp; Behavioural Science</i>
0923 Sport & Recreation	81 Personal Services
092301 Sport & Recreation Activities	81 Personal Services
092303 Sports Coaching, Officiating & Instruction	<i>81 Personal Services</i>
092399 Sport & Recreation n.e.c.	<i>81 Personal Services</i>
0999 Other Society & Culture	<i>22 Humanities AND</i>
	<i>31 Social &amp; Behavioural Science AND</i>
099901 Family & Consumer Studies	99 Not known or unspecified
099999 Society & Culture n.e.c.	<i>22 Humanities AND</i>
	<i>31 Social &amp; Behavioural Science AND</i>
<b>10 Religion &amp; Philosophy</b>	22 Humanities

1001	Religious Studies	22 Humanities
100101	Religious Studies	22 Humanities
100103	Islamic Studies	22 Humanities
100105	Christian Studies	22 Humanities
100107	Judaic Studies	22 Humanities
100109	Hinduism Studies	22 Humanities
100111	Buddhist Studies	22 Humanities
100199	Religion n.e.c.	<i>22 Humanities</i>
1003	Philosophy	22 Humanities
100301	Philosophy	22 Humanities
100303	Ethics	22 Humanities
100399	Philosophy n.e.c.	22 Humanities
1099	Other Religion & Philosophy	22 Humanities
109999	Religion & Philosophy n.e.c.	22 Humanities
<b>11</b>	<b>Creative Arts</b>	<b>21 Arts</b>
1101	Performing Arts	21 Arts
110101	Music	21 Arts
110103	Drama & Theatre Studies	21 Arts
110105	Dance	21 Arts
110199	Performing Arts n.e.c.	21 Arts
1103	Visual Arts & Crafts	21 Arts
110301	Fine Arts	21 Arts
110303	Calligraphy	<i>21 Arts</i>
110305	Photography	21 Arts
110307	Crafts	21 Arts
110309	Jewellery Making	<i>21 Arts</i>
110311	Floristry	<i>21 Arts</i>
110399	Visual Arts & Crafts n.e.c.	<i>21 Arts</i>
1105	Graphic & Design Studies	21 Arts
110501	Graphic Arts & Design Studies	21 Arts
110503	Textile Design	<i>21 Arts AND</i>
		<i>54 Manufacturing &amp; Processing</i>
110505	Fashion Design	<i>21 Arts AND</i>
		<i>54 Manufacturing &amp; Processing</i>
110599	Graphic & Design Studies n.e.c.	<i>21 Arts AND</i>
		<i>54 Manufacturing &amp; Processing</i>
1107	Communication & Media Studies	21 Arts AND
		32 Journalism & Information
110701	Audio Visual Studies	<i>21 Arts AND</i>
		<i>32 Journalism &amp; Information</i>
110703	Journalism	32 Journalism & Information
110705	Written Communication	<i>32 Journalism &amp; Information</i>
110707	Verbal Communication	<i>32 Journalism &amp; Information</i>
110799	Communication & Media Studies n.e.c.	<i>21 Arts AND</i>
		<i>32 Journalism &amp; Information</i>
1199	Other Creative Arts	21 Arts
119999	Creative Arts n.e.c.	21 Arts
<b>12</b>	<b>Personal Services</b>	81 Personal Services
1201	Food	99 Not known or unspecified
120101	Food & Beverage Service	99 Not known or unspecified
120103	Butchery	99 Not known or unspecified
120105	Fishmonger Studies	99 Not known or unspecified
120107	Baking & Pastry-making	99 Not known or unspecified
120109	Cookery	99 Not known or unspecified
120111	Food Hygiene	99 Not known or unspecified
120199	Food n.e.c.	99 Not known or unspecified
1203	Tourism & Hospitality	81 Personal Services
120301	Hospitality	81 Personal Services
120303	Heritage	<i>81 Personal Services</i>
120305	Tourism	81 Personal Services



120399	Tourism & Hospitality n.e.c.	<i>81 Personal Services</i>
1205	Personal Presentation	<i>81 Personal Services</i>
120501	Beauty Therapy	<i>81 Personal Services</i>
120503	Hairdressing	<i>81 Personal Services</i>
120505	Henna & Tattooing	<i>81 Personal Services</i>
120599	Personal Presentation n.e.c.	<i>81 Personal Services</i>
1299	Other Personal Services	<i>81 Personal Services</i>
129999	Personal Services n.e.c.	<i>81 Personal Services</i>
<b>13</b>	<b>Combined Broad Fields</b>	99 Not known or unspecified

**CONVERSION TABLE: OSCED → ASCED**

ASCED (2001) is the Australian Standard Classification of Education framework on which OSCED was based. Please note that this conversion table is a guide only and has not been formally agreed between Oman and Australia.

Where the relationship between an OSCED field of study and an ASCED field of study is surmised rather than explicit, the ASCED field is shown in *italics*.

The table does not provide the entire ASCED, which is available as a free download at: <http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/1272.02001?OpenDocument>.

**OSCED Fields of Higher Education**

<b>01</b>	<b>Natural &amp; Physical Sciences</b>
0101	Mathematical Sciences
010101	Mathematics
010103	Statistics
010199	Mathematical Sciences n.e.c.
0103	Physics & Astronomy
010301	Physics
010303	Astronomy
010199	Physics & Astronomy n.e.c.
0105	Chemical Sciences
010501	Organic Chemistry
010503	Inorganic Chemistry
010599	Chemical Sciences n.e.c.
0107	Earth Sciences
010701	Atmospheric Sciences
010703	Geology
010705	Geophysics
010707	Geochemistry
010709	Soil Science
010711	Hydrology
010713	Oceanography
010799	Earth Sciences n.e.c.
0109	Biological Sciences
010901	Biochemistry & Cell Biology
010903	Botany
010905	Ecology & Evolution
010907	Marine Science
010909	Genetics
010911	Microbiology
010913	Human Biology
010915	Zoology
010999	Biological Sciences n.e.c.
0199	Other Natural & Physical Sciences
019901	Medical Science
019903	Forensic Science
019905	Food Science & Biotechnology
019907	Pharmacology
019909	Laboratory Technology
019999	Natural & Physical Sciences n.e.c.
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, Communications & The Internet

**ASCED Fields of Education**

<b>01</b>	<b>Natural &amp; Physical Sciences</b>
0101	Mathematical Sciences
010101	Mathematics
010103	Statistics
010199	Mathematical Sciences n.e.c.
0103	Physics & Astronomy
010301	Physics
010303	Astronomy
0103	<i>Physics &amp; Astronomy</i>
0105	Chemical Sciences
010501	Organic Chemistry
010503	Inorganic Chemistry
010599	Chemical Sciences n.e.c.
0107	Earth Sciences
010701	Atmospheric Sciences
010703	Geology
010705	Geophysics
010707	Geochemistry
010709	Soil Science
010711	Hydrology
010713	Oceanography
010799	Earth Sciences n.e.c.
0109	Biological Sciences
010901	Biochemistry & Cell Biology
010903	Botany
010905	Ecology & Evolution
010907	Marine Science
010909	Genetics
010911	Microbiology
010913	Human Biology
010915	Zoology
010999	Biological Sciences n.e.c.
0199	Other Natural & Physical Sciences
019901	Medical Science
019903	Forensic Science
019905	Food Science & Biotechnology
019907	Pharmacology
019909	Laboratory Technology
019999	Natural & Physical Sciences n.e.c.
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	020115	Computer Graphics
020117	Operating Systems	020117	Operating Systems
020119	Artificial Intelligence	020119	Artificial Intelligence
020199	Computer Science n.e.c.	020199	Computer Science n.e.c.
0203	Information Systems	0203	Information Systems
020301	Conceptual Modelling	020301	Conceptual Modelling
020303	Database Management	020303	Database Management
020305	Systems Analysis & Design	020305	Systems Analysis & Design
020307	Decision Support Systems	020307	Decision Support Systems
020399	Information Systems n.e.c.	020399	Information Systems n.e.c.
0299	Other Information Technology	0299	Other Information Technology
029901	Electronic Security Science	029901	Security Science
029999	Information Technology n.e.c.	029999	Information Technology n.e.c.
<b>03</b>	<b>Engineering &amp; Related Technologies</b>	<b>03</b>	<b>Engineering &amp; Related Technologies</b>
0301	Manufacturing Engineering & Technology	0301	Manufacturing Engineering & Technology
030101	Manufacturing Engineering	030101	Manufacturing Engineering
030103	Printing	030103	Printing
030105	Textile Making	030105	Textile Making
030107	Garment Making	030107	Garment Making
030109	Footwear Making	030109	Footwear Making
030111	Wood Machining & Turning	030111	Wood Machining & Turning
030113	Cabinet Making	030113	Cabinet Making
030115	Furniture Upholstery & Renovation	030115	Furniture Upholstery & Renovation
030117	Furniture Polishing	030117	Furniture Polishing
030199	Manufacturing Engineering & Technology n.e.c.	030199	Manufacturing Engineering & Technology n.e.c.
0303	Process & Resources Engineering	0303	Process & Resources Engineering
030301	Chemical Engineering	030301	Chemical Engineering
030303	Mining Engineering	030303	Mining Engineering
030305	Oil & Gas Engineering	030303	<i>Mining Engineering</i>
030307	Materials Engineering	030305	Materials Engineering
030309	Food Processing Technology	030307	Food Processing Technology
030399	Process & Resources Engineering n.e.c.	030399	Process & Resources Engineering n.e.c.
0305	Automotive Engineering & Technology	0305	Automotive Engineering & Technology
030501	Automotive Engineering	030501	Automotive Engineering
030503	Vehicle Mechanics	030503	Vehicle Mechanics
030505	Automotive Electrics & Electronics	030505	Automotive Electrics & Electronics
030507	Automotive Vehicle Refinishing	030507	Automotive Vehicle Refinishing
030509	Automotive Body Construction	030509	Automotive Body Construction
030511	Panel Beating	030511	Panel Beating
030513	Upholstery & Vehicle Trimming	030513	Upholstery & Vehicle Trimming
030515	Automotive Vehicle Operations	030515	Automotive Vehicle Operations
030599	Automotive Engineering & Technology n.e.c.	030599	Automotive Engineering & Technology n.e.c.
0307	Mechanical & Industrial Engineering & Technology	0307	Mechanical & Industrial Engineering & Technology
030701	Mechanical Engineering	030701	Mechanical Engineering
030703	Industrial Engineering	030703	Industrial Engineering
030705	Toolmaking	030705	Toolmaking
030707	Metal Fitting, Turning & Machining	030707	Metal Fitting, Turning & Machining
030709	Sheetmetal Working	030709	Sheetmetal Working
030711	Boilermaking & Welding	030711	Boilermaking & Welding
030713	Metal Casting & Patternmaking	030713	Metal Casting & Patternmaking
030715	Precision Metalworking	030715	Precision Metalworking
030717	Plant & Machine Operations	030717	Plant & Machine Operations
030799	Mechanical & Industrial Engineering & Technology n.e.c.	030799	Mechanical & Industrial Engineering & Technology n.e.c.
0309	Civil Engineering	0309	Civil Engineering
030901	Construction Engineering	030901	Construction Engineering
030903	Structural Engineering	030903	Structural Engineering
030905	Building Services Engineering	030905	Building Services Engineering
030907	Water & Sanitary Engineering	030907	Water & Sanitary Engineering
030909	Transport Engineering	030909	Transport Engineering
030911	Geotechnical Engineering	030911	Geotechnical Engineering
030913	Ocean Engineering	030913	Ocean Engineering
030999	Civil Engineering n.e.c.	030999	Civil Engineering n.e.c.
0311	Geomatic Engineering	0311	Geomatic Engineering

031101	Land Surveying	031101	Surveying
031103	Mapping Science	031103	Mapping Science
031199	Geomatic Engineering n.e.c.	031199	Geomatic Engineering n.e.c.
0313	Electrical & Electronic Engineering & Technology	0313	Electrical & Electronic Engineering & Technology
031301	Electrical Engineering	031301	Electrical Engineering
031303	Electronic Engineering	031303	Electronic Engineering
031305	Computer Engineering	031305	Computer Engineering
031307	Communications Technologies	031307	Communications Technologies
031309	Communications Equipment Installation & Maintenance	031309	Communications Equipment Installation & Maintenance
031311	Powerline Installation & Maintenance	031311	Powerline Installation & Maintenance
031313	Electrical Fitting, Electrical Mechanics	031313	Electrical Fitting, Electrical Mechanics
031315	Refrigeration & Air Conditioning Mechanics	031315	Refrigeration & Air Conditioning Mechanics
031317	Electronic Equipment Servicing	031317	Electronic Equipment Servicing
031399	Electrical & Electronic Engineering & Technology n.e.c.	031399	Electrical & Electronic Engineering & Technology n.e.c.
0315	Aerospace Engineering & Technology	0315	Aerospace Engineering & Technology
031501	Aerospace Engineering	031501	Aerospace Engineering
031503	Aircraft Maintenance Engineering	031503	Aircraft Maintenance Engineering
031505	Aircraft Operation	031505	Aircraft Operation
031507	Air Traffic Control	031507	Air Traffic Control
031599	Aerospace Engineering & Technology n.e.c.	031599	Aerospace Engineering & Technology n.e.c.
0317	Maritime Engineering & Technology	0317	Maritime Engineering & Technology
031701	Maritime Engineering	031701	Maritime Engineering
031703	Marine Construction	031703	Marine Construction
031705	Marine Craft Operation	031705	Marine Craft Operation
031799	Maritime Engineering & Technology n.e.c.	031799	Maritime Engineering & Technology n.e.c.
0319	Railway Engineering & Technology		Not specified
031901	Railway Engineering		Not specified
031903	Train & Light Rail Maintenance		Not specified
031905	Rail Operations	033907	Rail Operations
031907	Railway Control		Not specified
031999	Railway Engineering & Technology n.e.c.	039999	<i>Engineering and Related Technologies n.e.c.</i>
0321	Agricultural Engineering & Technology		Not specified
032101	Farm Machinery		Not specified
032199	Agricultural Engineering & Technology n.e.c.	039999	<i>Engineering and Related Technologies n.e.c.</i>
0323	Nuclear Engineering & Technology	039999	<i>Engineering and Related Technologies n.e.c.</i>
032301	Mining Materials For Nuclear Purposes		Not specified
032303	Nuclear Processing & Product Development		Not specified
032305	Nuclear Safety & Regulations		Not specified
032307	Nuclear Waste Management		Not specified
032399	Nuclear Engineering & Technology n.e.c.	039999	<i>Engineering and Related Technologies n.e.c.</i>
0399	Other Engineering & Related Technologies	0399	Other Engineering & Related Technologies
039901	Environmental Engineering & Pollution Control	039901	Environmental Engineering
039903	Biomedical Engineering	039903	Biomedical Engineering
039905	Mechatronics & Robotics	0201	<i>Computer Science</i>
039907	Fire Technology	039905	Fire Technology
039909	Cleaning	039909	Cleaning
039999	Engineering & Related Technologies n.e.c.	039999	Engineering & Related Technologies n.e.c.
<b>04</b>	<b>Architecture &amp; Building</b>	<b>04</b>	<b>Architecture &amp; Building</b>
0401	Architecture & Urban Environment	0401	Architecture & Urban Environment
040101	Architecture	040101	Architecture
040103	Urban Design & Regional Planning	040103	Urban Design & Regional Planning
040105	Landscape Architecture	040105	Landscape Architecture
040107	Interior & Environmental Design	040107	Interior & Environmental Design
040199	Architecture & Urban Environment n.e.c.	040199	Architecture & Urban Environment n.e.c.
0403	Building	0403	Building

040301	Building Science & Technology	040301	Building Science & Technology
040303	Building Construction Management	040303	Building Construction Management
040305	Building Surveying	040305	Building Surveying
040307	Building Construction Economics	040307	Building Construction Economics
040309	Bricklaying & Stonemasonry	040309	Bricklaying & Stonemasonry
040311	Carpentry & Joinery	040311	Carpentry & Joinery
040313	Ceiling, Wall & Floor Fixing	040313	Ceiling, Wall & Floor Fixing
040315	Roof Fixing	040315	Roof Fixing
040317	Plastering	040317	Plastering
040319	Furnishing Installation	040319	Furnishing Installation
040321	Floor Coverings	040321	Floor Coverings
040323	Glazing	040323	Glazing
040325	Painting, Decorating & Sign Writing	040325	Painting, Decorating & Sign Writing
040327	Plumbing	040327	Plumbing
040329	Scaffolding & Rigging	040329	Scaffolding & Rigging
040399	Building n.e.c.	040399	Building n.e.c.
0499	Other Architecture & Building		Not specified
049999	Architecture & Building n.e.c.		Not specified
<b>05</b>	<b>Agriculture, Environmental &amp; Related Studies</b>	<b>05</b>	<b>Agriculture, Environmental &amp; Related Studies</b>
0501	Agriculture	0501	Agriculture
050101	Agricultural Science	050101	Agricultural Science
050103	Wool Science	050103	Wool Science
050105	Animal Husbandry	050105	Animal Husbandry
050199	Agriculture n.e.c.	050199	Agriculture n.e.c.
0503	Horticulture & Viticulture	0503	Horticulture & Viticulture
050301	Horticulture	050301	Horticulture
0505	Plant Health	<i>050301</i>	<i>Horticulture</i>
		<i>059901</i>	<i>Pest and Weed Control</i>
050501	Plant Pathology	<i>050301</i>	<i>Horticulture</i>
		<i>059901</i>	<i>Pest and Weed Control</i>
050503	Weed Control	059901	Pest and Weed Control
050599	Plant Health n.e.c.		Not specified
0507	Forestry Studies	0505	Forestry Studies
050701	Forestry Studies / Silviculture	050501	Forestry Studies
050799	Forestry Studies n.e.c.		Not specified
0509	Fisheries Studies	0507	Fisheries Studies
050901	Aquaculture	050701	Aquaculture
050903	Fisheries Technology		Not specified
050999	Fisheries Studies n.e.c.	050799	Fisheries Studies n.e.c.
0511	Environmental Studies	0509	Environmental Studies
051101	Land, Parks & Wildlife Management	050901	Land, Parks & Wildlife Management
051199	Environmental Studies n.e.c.	050999	Environmental Studies n.e.c.
0599	Other Agriculture, Environmental & Related Studies	0599	Other Agriculture, Environmental & Related Studies
059999	Agriculture, Environmental & Related Studies n.e.c.	059999	Agriculture, Environmental & Related Studies n.e.c.
<b>06</b>	<b>Health</b>	<b>06</b>	<b>Health</b>
0601	Medical Studies	0601	Medical Studies
060101	General Medicine	060101	General Medicine
060103	Surgery	060103	Surgery
060105	Psychiatry	060105	Psychiatry
060107	Obstetrics & Gynaecology	060107	Obstetrics & Gynaecology
060109	Paediatrics	060109	Paediatrics
060111	Anaesthesiology	060111	Anaesthesiology
060113	Pathology	060113	Pathology
060115	Radiology	060115	Radiology
060117	Internal Medicine	060117	Internal Medicine
060119	General Practice	060119	General Practice
060199	Medical Studies n.e.c.	060199	Medical Studies n.e.c.
0603	Nursing	0603	Nursing
060301	General Nursing	060301	General Nursing
060303	Midwifery	060303	Midwifery
060305	Mental Health Nursing	060305	Mental Health Nursing
060307	Community Nursing	060307	Community Nursing
060309	Critical Care Nursing	060309	Critical Care Nursing
060311	Aged Care Nursing	060311	Aged Care Nursing

060313	Palliative Care Nursing	060313	Palliative Care Nursing
060315	Family & Child Health Nursing	060315	Mothercraft Nursing & Family & Child Health Nursing
060399	Nursing n.e.c.	060399	Nursing n.e.c.
0605	Pharmacy	0605	Pharmacy
060501	Pharmacy	060501	Pharmacy
0607	Dental Studies	0607	Dental Studies
060701	Dentistry	060701	Dentistry
060703	Dental Hygiene	060799	<i>Dental Studies n.e.c.</i>
060705	Dental Assisting	060703	Dental Assisting
060707	Dental Technology	060705	Dental Technology
060799	Dental Studies n.e.c.	060799	Dental Studies n.e.c.
0609	Optical Science	0609	Optical Science
060901	Optometry	060901	Optometry
060903	Optical Technology	060903	Optical Technology
060999	Optical Science n.e.c.	060999	Optical Science n.e.c.
0611	Veterinary Studies	0611	Veterinary Studies
061101	Veterinary Science	061101	Veterinary Science
061103	Veterinary Assisting	061103	Veterinary Assisting
061199	Veterinary Studies n.e.c.	061199	Veterinary Studies n.e.c.
0613	Public Health	0613	Public Health
061301	Occupational Health & Safety	061301	Occupational Health & Safety
061303	Environmental Health	061303	Environmental Health
061305	Women's Health		Not specified
061307	Health Promotion	061307	Health Promotion
061309	Community Health	061309	Community Health
061311	Epidemiology	061311	Epidemiology
061399	Public Health n.e.c.	061399	Public Health n.e.c.
0615	Radiography	0615	Radiography
061501	Radiography	061501	Radiography
0617	Rehabilitation Therapies	0617	Rehabilitation Therapies
061701	Physiotherapy	061701	Physiotherapy
061703	Occupational Therapy	061703	Occupational Therapy
061705	Chiropractic & Osteopathy	061705	Chiropractic & Osteopathy
061707	Speech Pathology	061707	Speech Pathology
061709	Audiology	061709	Audiology
061711	Massage Therapy	061711	Massage Therapy
061713	Podiatry	061713	Podiatry
061799	Rehabilitation Therapies n.e.c.	061799	Rehabilitation Therapies n.e.c.
0619	Complementary Therapies	0619	Complementary Therapies
061901	Naturopathy	061901	Naturopathy
061903	Acupuncture	061903	Acupuncture
061905	Traditional Chinese Medicine	061905	Traditional Chinese Medicine
061999	Complementary Therapies n.e.c.	061999	Complementary Therapies n.e.c.
0699	Other Health	0699	Other Health
069901	Nutrition & Dietetics	069901	Nutrition & Dietetics
069903	Human Movement	069903	Human Movement
069905	Paramedical Studies	069905	Paramedical Studies
069907	First Aid	069907	First Aid
069999	Health n.e.c.	069999	Health n.e.c.
<b>07</b>	<b>Education</b>	<b>07</b>	<b>Education</b>
0701	Teacher Education	0701	Teacher Education
070101	Teacher Education: Early Childhood	070101	Teacher Education: Early Childhood
070103	Teacher Education: Primary	070103	Teacher Education: Primary
070105	Teacher Education: Secondary	070105	Teacher Education: Secondary
070107	Teacher Education: Vocational Education & Training	070109	Teacher Education: Vocational Education & Training
070109	Teacher Education: Higher Education	070111	Teacher Education: Higher Education
070111	Teacher Education: Special Education	070113	Teacher Education: Special Education
070113	Teacher Librarianship	070107	Teacher Librarianship
070115	English As A Second Language Teaching	070115	English As A Second Language Teaching
070199	Teacher Education n.e.c.	070199	Teacher Education n.e.c.
0703	Curriculum & Education Studies	0703	Curriculum & Education Studies
070301	Curriculum Studies	070301	Curriculum Studies
070303	Education Studies	070303	Education Studies
070305	Education Systems & Policies		Not specified
070399	Curriculum & Education Studies n.e.c.		Not specified

0705	General Education Programs	01201	General Education Programs
070501	General Foundation Programs	0120101	General Foundation and Secondary Education Programs
070503	Learning Skills Programs	120105	Learning Skills Programs
070599	General Education Programs n.e.c.	120199	General Education Programs n.e.c.
0707	Social Skills Programs	1203	Social Skills Programs
070701	Social & Interpersonal Skills Programs	120301	Social & Interpersonal Skills Programs
070703	Survival Skills Programs.....	120303	Survival Skills Programs.....
070705	Parental Education Programs	120305	Parental Education Programs
070799	Social Skills Programs n.e.c.	120399	Social Skills Programs n.e.c.
0709	Employment Skills Programs	1205	Employment Skills Programs
070901	Career Development Programs	120501	Career Development Programs
070903	Job Search Skills Programs	120503	Job Search Skills Programs
070905	Work Practices Programs	120505	Work Practices Programs
070999	Employment Skills Programs n.e.c.	120599	Employment Skills Programs n.e.c.
0799	Other Education	0799	Other Education
079999	Education n.e.c.	079999	Education n.e.c.
<b>08</b>	<b>Management &amp; Commerce</b>	<b>08</b>	<b>Management &amp; Commerce</b>
0801	Accounting	0801	Accounting
080101	Accounting	080101	Accounting
080103	Financial Auditing	<i>080101</i>	<i>Accounting</i>
080105	Taxation	<i>080101</i>	<i>Accounting</i>
080199	Accounting n.e.c.	<i>080101</i>	<i>Accounting</i>
0803	Business & Management	0803	Business & Management
080301	Business Management	080301	Business Management
080303	Organisation Management	080307	Organisation Management
080305	Organisation Governance	<i>080307</i>	<i>Organisation Management</i>
080307	Quality Management	080317	Quality Management
080309	Risk Management		Not specified
080311	Project Management	080315	Project Management
080313	Human Resource Management	080303	Human Resource Management
080315	Personal Management Training	080305	Personal Management Training
080317	Industrial Relations	080309	Industrial Relations
080319	International Business	080311	International Business
080321	Public & Health Care Management	080313	Public & Health Care Management
080323	Hospitality Management	080319	Hospitality Management
080325	Farm Management & Agribusiness	080321	Farm Management & Agribusiness
080327	Tourism Management	080323	Tourism Management
080399	Business & Management n.e.c.	080399	Business & Management n.e.c.
0805	Sales & Marketing	0805	Sales & Marketing
080501	Sales	080501	Sales
080503	Real Estate	080503	Real Estate
080505	Marketing	080505	Marketing
080507	Advertising	080507	Advertising
080509	Public Relations	080509	Public Relations
080599	Sales & Marketing n.e.c.	080599	Sales & Marketing n.e.c.
0807	Office Studies	0809	Office Studies
080701	Secretarial & Clerical Studies	080901	Secretarial & Clerical Studies
080703	Keyboard Skills	080903	Keyboard Skills
080705	Practical Computing Skills	080905	Practical Computing Skills
080799	Office Studies n.e.c.	080999	Office Studies n.e.c.
0809	Banking, Finance & Related Fields	0811	Banking, Finance & Related Fields
080901	Banking & Finance	081101	Banking & Finance
080903	Islamic Banking & Finance		Not specified
080905	Insurance & Actuarial Studies	081105	Insurance & Actuarial Studies
080907	Investment & Securities	081107	Investment & Securities
080999	Banking, Finance & Related Fields n.e.c.	081199	Banking, Finance & Related Fields n.e.c.
0899	Other Management & Commerce	080905	Insurance & Actuarial Studies
089901	Purchasing, Warehousing & Distribution	080907	Investment & Securities
089903	Valuation	080999	Banking, Finance & Related Fields n.e.c.
089905	E-Business	<i>080399</i>	<i>Business &amp; Management n.e.c.</i>
089999	Management & Commerce n.e.c.	089999	Management & Commerce n.e.c.
<b>09</b>	<b>Society &amp; Culture</b>	<b>09</b>	<b>Society &amp; Culture</b>
0901	Political Science & Policy Studies	0901	Political Science & Policy Studies
090101	Political Science	090101	Political Science
090103	Policy Studies	090103	Policy Studies
090199	Political Science & Policy Studies n.e.c.		Not specified

0903	Studies in Human Society	0903	Studies in Human Society
090301	Sociology	090301	Sociology
090303	Anthropology	090303	Anthropology
090305	History	090305	History
090307	Archaeology	090307	Archaeology
090309	Human Geography	090309	Human Geography
090311	Indigenous Studies	090311	Indigenous Studies
090313	Gender Specific Studies	090313	Gender Specific Studies
090399	Studies in Human Society n.e.c.	090399	Studies in Human Society n.e.c.
0905	Human Welfare Studies & Services	0905	Human Welfare Studies & Services
090501	Social Work	090501	Social Work
090503	Children's Services	090503	Children's Services
090505	Youth Work	090505	Youth Work
090507	Care For The Aged	090507	Care For The Aged
090509	Care For The Disabled	090509	Care For The Disabled
090511	Residential Client Care	090511	Residential Client Care
090513	Counselling	090513	Counselling
090515	Welfare Studies	090515	Welfare Studies
090599	Human Welfare Studies & Services n.e.c.	090599	Human Welfare Studies & Services n.e.c.
0907	Behavioural Science	0907	Behavioural Science
090701	Psychology	090701	Psychology
090799	Behavioural Science n.e.c.	090799	Behavioural Science n.e.c.
0909	Law	0909	Law
090901	Business & Commercial Law	090901	Business & Commercial Law
090903	Constitutional Law	090903	Constitutional Law
090905	Criminal Law	090905	Criminal Law
090907	Family Law	090907	Family Law
090909	International Law	090909	International Law
090911	Taxation Law	090911	Taxation Law
090913	Environmental Law		Not specified
090915	Legal Practice	090913	Legal Practice
090999	Law n.e.c.	090999	Law n.e.c.
0911	Sharia		Not specified
091101	Al Fequeh Wausoleh		Not specified
091103	Islamic Jurisprudence		Not specified
091199	Sharia n.e.c.		Not specified
0913	Justice & Law Enforcement	0911	Justice & Law Enforcement
091301	Justice Administration	091101	Justice Administration
091303	Legal Studies	091103	Legal Studies
091305	Criminology	099903	Criminology
091307	Police Studies	091105	Police Studies
091309	Correctional Services	091199	<i>Justice &amp; Law Enforcement n.e.c.</i>
091399	Justice & Law Enforcement n.e.c.	091199	Justice & Law Enforcement n.e.c.
0915	Defence & Security		Not specified
091501	Naval Studies		Not specified
091503	Army Studies		Not specified
091505	Air Force Studies		Not specified
091507	Coast Guard Studies		Not specified
091509	Customs Studies		Not specified
091511	Immigration Studies		Not specified
091513	Security Services	099905	Security Services
091599	Defence & Security n.e.c.		Not specified
0917	Librarianship, Information Management & Curatorial Studies	0913	Librarianship, Information Management & Curatorial Studies
091701	Librarianship & Information Management	091301	Librarianship & Information Management
091703	Medical Records Management		Not specified
091705	Curatorial Studies	091303	Curatorial Studies
091799	Librarianship & Information Management & Curatorial Studies n.e.c.		Not specified
0919	Language & Literature	0915	Language & Literature
091901	Linguistics	091521	Linguistics
091903	Arabic Language	091509	<i>Southwest Asian &amp; North African Languages</i>
			Not specified
091905	Omani Indigenous Languages	091501	English Language
091907	English Language	091503	Northern European Languages
091909	Northern European Languages		
091911	Southern European Languages	091505	Southern European Languages



091913	Eastern European Languages	091507	Eastern European Languages
091915	Southwest Asian & North African Languages	091509	Southwest Asian & North African Languages
091917	African Languages		Not specified
091919	Southern Asian Languages	091511	Southern Asian Languages
091921	Southeast Asian Languages	091513	Southeast Asian Languages
091923	Eastern Asian Languages	091515	Eastern Asian Languages
091925	Translating & Interpreting	091519	Translating & Interpreting
091927	Literature	091523	Literature
091999	Language & Literature n.e.c.	091599	Language & Literature n.e.c.
0921	Economics & Econometrics	0919	Economics & Econometrics
092101	Economics	091901	Economics
092103	Econometrics	091903	Econometrics
092199	Economics & Econometrics n.e.c.		Not specified
0923	Sport & Recreation	0921	Sport & Recreation
092301	Sport & Recreation Activities	092101	Sport & Recreation Activities
092303	Sports Coaching, Officiating & Instruction	092103	Sports Coaching, Officiating & Instruction
092399	Sport & Recreation n.e.c.	092199	Sport & Recreation n.e.c.
0999	Other Society & Culture	0999	Other Society & Culture
099901	Family & Consumer Studies	099901	Family & Consumer Studies
099999	Society & Culture n.e.c.	099999	Society & Culture n.e.c.
<b>10</b>	<b>Religion &amp; Philosophy</b>	0917	Philosophy & Religious Studies
1001	Religious Studies	0917	Philosophy & Religious Studies
100101	Religious Studies	091703	Religious Studies
100103	Islamic Studies		Not specified
100105	Christian Studies		Not specified
100107	Judaic Studies		Not specified
100109	Hinduism Studies		Not specified
100111	Buddhist Studies		Not specified
100199	Religion n.e.c.		Not specified
1003	Philosophy	0917	Philosophy & Religious Studies
100301	Philosophy	091701	Philosophy
100303	Ethics	<i>091701</i>	<i>Philosophy</i>
1099	Other Religion & Philosophy		Not specified
109999	Religion & Philosophy n.e.c.		Not specified
<b>11</b>	<b>Creative Arts</b>	<b>10</b>	<b>Creative Arts</b>
1101	Performing Arts	1001	Performing Arts
110101	Music	100101	Music
110103	Drama & Theatre Studies	100103	Drama & Theatre Studies
110105	Dance	100105	Dance
110199	Performing Arts n.e.c.	100199	Performing Arts n.e.c.
1103	Visual Arts & Crafts	1003	Visual Arts & Crafts
110301	Fine Arts	100301	Fine Arts
110303	Calligraphy	100303	Calligraphy
110305	Photography	100305	Photography
110307	Crafts	100307	Crafts
110309	Jewellery Making	100309	Jewellery Making
110311	Floristry	100311	Floristry
110399	Visual Arts & Crafts n.e.c.	100399	Visual Arts & Crafts n.e.c.
1105	Graphic & Design Studies	1005	Graphic & Design Studies
110501	Graphic Arts & Design Studies	100501	Graphic Arts & Design Studies
110503	Textile Design	100503	Textile Design
110505	Fashion Design	100505	Fashion Design
110599	Graphic & Design Studies n.e.c.	100599	Graphic & Design Studies n.e.c.
1107	Communication & Media Studies	1007	Communication & Media Studies
110701	Audio Visual Studies	100701	Audio Visual Studies
110703	Journalism	100703	Journalism
110705	Written Communication	100705	Written Communication
110707	Verbal Communication	100707	Verbal Communication
110799	Communication & Media Studies n.e.c.	100799	Communication & Media Studies n.e.c.
1199	Other Creative Arts	1099	Other Creative Arts
119999	Creative Arts n.e.c.	109999	Creative Arts n.e.c.
<b>12</b>	<b>Personal Services</b>	<b>11</b>	<b>Food, Hospitality and Personal Services</b>
1201	Food	1101	Food & Hospitality
120101	Food & Beverage Service	110103	Food & Beverage Service
120103	Butchery	110105	Butchery

120105	Fishmonger Studies		Not specified
120107	Baking & Pastry-making	110107	Baking & Pastry-making
120109	Cookery	110109	Cookery
120111	Food Hygiene	110111	Food Hygiene
120199	Food n.e.c.	110199	Food n.e.c.
1203	Tourism & Hospitality	0807	Tourism
		1101	Food & Hospitality
120301	Hospitality	110101	Hospitality
120303	Heritage		Not specified
120305	Tourism	080701	Tourism
1205	Personal Presentation	1103	Personal Services
120501	Beauty Therapy	110301	Beauty Therapy
120503	Hairdressing	110303	Hairdressing
120503	Henna & Tattooing	<i>110301</i>	<i>Beauty Therapy</i>
120599	Personal Presentation n.e.c.	<i>110399</i>	<i>Personal Services n.e.c.</i>
1299	Other Personal Services		Not specified
129999	Personal Services n.e.c.	110399	Personal Services n.e.c.
<b>13</b>	<b>Combined Broad Fields</b>		Not specified