SINGAPORE STANDARD EDUCATIONAL CLASSIFICATION
2015

DEPARTMENT OF
STATISTICS
SINGAPORE

SINGAPORE STANDARD EDUCATIONAL CLASSIFICATION 2015
ISBN 978-981-09-4818-4

Statistical activities conducted by the Singapore Department of Statistics are governed by the provisions of the Statistics Act (Cap. 317). The Act guarantees the confidentiality of information collected from individuals and companies. It spells out the legislative authority and responsibility of the Chief Statistician. The Act is available in the Department's Website (www.singstat.gov.sg).

PREFACE

The Singapore Department of Statistics (DOS) develops national statistical standards and promotes their adoption and use in Singapore. The adoption and use of these standards in the collection, analysis and dissemination of statistics ensure consistency and comparability of data, facilitating relevant and meaningful analysis as well as data sharing.

The Singapore Standard Educational Classification (SSEC) is the national standard for classifying educational programmes and qualifications. The SSEC is used for censuses of population, household surveys and administrative databases. The SSEC makes reference to and is consistent with the basic framework and principles of the International Standard Classification of Education (ISCED) 2011 and the ISCED Fields of Education and Training (ISCED-F) 2013 developed by the United Nations Educational, Scientific and Cultural Organisation (UNESCO) Institute for Statistics (UIS). It is reviewed periodically to reflect developments in the education system as well as initiatives in workforce education and upgrading.

The SSEC 2015 is the third edition of the SSEC and supersedes the previous editions. It consists of three sub-classifications – classification of level of education attending, classification of educational qualification attained and classification of field of study.

The review of the SSEC was undertaken by a working group comprising representatives from several agencies, including the Singapore Department of Statistics, Council for Private Education, Ministry of Education, Ministry of Manpower, Institute of Technical Education and Singapore Workforce Development Agency. Inputs from other stakeholders have also been incorporated, where appropriate. I would like to thank all who have contributed to the review of the classification.

Wong Wee Kim
Chief Statistician
Singapore

April 2015

Our Vision

A National Statistical System of Quality, Integrity and Expertise.

Our Mission

We Provide Reliable, Relevant and Timely Statistics to Support Singapore's Social and Economic Development.

Our Guiding Principles

Professionalism & Expertise	*We adhere to professional ethics and proficiently produce quality statistics that comply with international concepts and best practices.*
Relevance	*We constantly innovate our processes and produce statistics that meet users' needs.*
Accessibility	*We make our statistics readily available.*
Confidentiality	*We protect the confidentiality of information provided to us.*
Timeliness & Reliability	*We produce statistics that users can depend on and disseminate them at the earliest possible date while maintaining data quality.*
Cost Effectiveness	*We use resources effectively, minimising respondent burden and leveraging on administrative data.*

CONTENTS

List of Abbreviations

BEST	:	Basic Education for Skills Training
ES	:	Employability Skills
ESS	:	Employability Skills System
H2	:	Higher 2
IB	:	International Baccalaureate
IP	:	Integrated Programme
ITE	:	Institute of Technical Education
ISC	:	ITE Skills Certificate
LASALLE	:	LASALLE College of the Arts
NAFA	:	Nanyang Academy of Fine Arts
N.E.C.	:	Not elsewhere classified
NIE	:	National Institute of Education
NITEC	:	National ITE Certificate
NTC	:	National Technical Certificate
PSLE	:	Primary School Leaving Certificate
PSPE	:	Primary School Proficiency Certificate
SIM	:	Singapore Institute of Management
WISE	:	Worker Improvement through Secondary Education
WSQ	:	Workforce Skills Qualifications
WPLN	:	Workplace Literacy and Numeracy
WPS	:	Workplace Skills

SINGAPORE STANDARD EDUCATIONAL CLASSIFICATION 2015

Introduction

The Singapore Standard Educational Classification (SSEC) is designed for use in the collection of data (e.g. censuses, surveys, administrative records) that requires the classification of educational programmes and qualifications. It is also used in the compilation, presentation and analysis of a wide range of statistics, including demographic, social and education statistics. To ensure the continuing relevance of the SSEC, the classification is updated regularly, taking into account changes in the international standards, developments in the education system as well as initiatives in educating, training and upgrading the workforce which could bring about new programmes and qualification/ certification systems.

2   The SSEC 2015 makes reference to the basic framework and principles of the International Standard Classification of Education (ISCED) 2011 and ISCED Fields of Education and Training classification (ISCED-F) 2013. The SSEC is revised to take into account changes in Singapore's education landscape to maintain relevance to the local context, as well as changes in international standards to enhance international comparability. Apart from changes in the full-time education system and vocational certification system, developments in the continuing education and training programmes have also been taken into consideration when revising the SSEC.

Scope and Structure of the Classification

3   The SSEC 2015 comprises three sub-classifications:

- Classification of Level of Education Attending
- Classification of Educational Qualification Attained
- Classification of Field of Study

4   The hierarchical structure of the SSEC is defined by aggregating categories representing various educational programmes in Singapore's present education system and the educational qualifications currently awarded in Singapore. For educational programmes offered in Singapore based on foreign education systems, and qualifications which were awarded in Singapore in the past or those awarded overseas, the proxy equivalence to the current system and qualifications in Singapore can be used to determine the appropriate classification. Appendix I provides a chart of the key programmes in Singapore's full-time education as well as continuing education and training systems.

Sub-classifications of SSEC 2015

Classification of Level of Education Attending

5   The level of education attending refers to the grade or standard of formal education that a full-time student is attending.

6   The classification for level of education attending is a two-digit hierarchical structure. Six broad levels of education can be identified:

Broad Level	Typical Age (years)	Years of Schooling
Pre-primary	4 to 5	2
Primary	6 to 11	6
Secondary	12 to 15	4
Post-Secondary (Non-Tertiary)	16 to 18	2 to 3
Diploma courses	16 to 18	2 to 3
University	18 to 25	3 to 5

7   The various broad levels of education are broken down into more detailed categories such as grade of education at the primary and secondary level, and orientation of the programme (general/vocational) at post-secondary (non-tertiary) level.

8   When classifying programmes into the detailed categories, one of the main consideration is the educational content of the programme at a particular educational level. In practice, supplementary criteria for classifying the level of education attending also include typical age of students attending the educational programme, duration of education, minimum entrance requirements and next typical educational level.

9   An example to illustrate the application of the criteria is the six-year Integrated Programme. While the Integrated Programme does not include a national examination at the end of secondary level, a student progressing from the fourth year to the fifth year would typically prepare for pre-university examinations such as the GCE 'A' Level Examination to be attempted at the end of the sixth year. The typical age of students in the fifth and sixth year of the Integrated Programme is 16 to 18 years old. In addition, the progression and duration within an Integrated Programme is similar to the conventional educational pathway with separate secondary and pre-university programmes. Therefore, the fifth and sixth year of the Integrated Programme will be classified as Post-Secondary (Non-Tertiary) level.

Classification of Educational Qualification Attained

10 The level of educational qualification attained refers to the grade or standard of education passed or the highest level of education where a certificate, diploma or degree is awarded by an educational or training institution. The educational qualification may be attained through full-time or part-time study in a structured educational programme.

11 The classification for level of educational qualification attained is a two-digit hierarchical structure. The levels of educational qualifications are categorised into ten broad groups, each denoted by a digit from '0' to '9' at the 1-digit level. The general guideline for attainment of a particular level of education is as follows:

Level of Education	Benchmark
No Qualification / Pre-primary/ Lower Primary Education	Did not pass Primary School Leaving Examination (PSLE) or equivalent
Primary Qualification	Passed PSLE or equivalent
Lower Secondary Qualification	Did not pass General Certificate of Education (GCE) at 'Normal' ('N') or 'Ordinary' ('O') Level or equivalent
Secondary Qualification	Obtained at least one pass at GCE 'N' or 'O' Level or equivalent
Post-Secondary Qualification (Non-Tertiary)	Obtained at least one pass at GCE 'Advanced' ('A') Level or equivalent, or awarded at least an ITE Nitec or Higher Nitec certification or equivalent
Polytechnic Diploma	Awarded a diploma or advanced diploma by a Polytechnic
Professional Qualification	Obtained a certificate, diploma or other qualification by a professional body or vocational institution
Bachelor's or Equivalent	Awarded bachelor's degree or equivalent by a university
Postgraduate Diploma/ Certificate Qualification (Excluding Master's and Doctorate)	Awarded postgraduate diploma or certificate by a university or postgraduate educational or training institution
Master's and Doctorate or Equivalent	Awarded postgraduate degree or equivalent by a university or postgraduate educational institution

12 The ten broad groups contain more detailed distinction by orientation of the programme or the specific type of qualifications typically awarded in Singapore's context.

13 In defining the broad groups of educational qualifications, the certification used in Singapore's mainstream education system is used as a benchmark. This is an important consideration in identifying equivalent qualifications awarded by continuing education and training institutions. Qualifications awarded by professional bodies must be the result of fulfilling the requirements of structured educational programmes and

passing the appropriate standards. The levels of educational qualifications exclude certificates of courses attendance and honorary qualifications which are not the result of structured learning and examination by an educational/training institution or professional body.

14   The attainment of an educational qualification usually occurs when a certain grade or standard of education is passed at the end of an educational programme. Therefore, the same considerations of educational content are applicable, as in the case for level of education attending, when classifying the educational qualification attained. Supplementary criteria for classifying educational qualification include the typical age of education, duration of education, minimum entrance requirements and next typical level of educational qualification.

15   For instance, using the example of the six-year Integrated Programme, a student in the programme who had passed the relevant examinations at the end of Year 4 and had been promoted to Year 5 will be classified in code 39 "Other certificates or qualifications of equivalent standard (secondary)" if there is a need to classify the educational qualification attained at this juncture, given that the progression and duration within an Integrated Programme is similar to the conventional educational pathway with separate secondary and pre-university programmes.

Classification of Field of Study

16   The field of study refers to the principal discipline, branch or subject matter of study that leads to the award of the qualification attained at polytechnic or university levels. Vocational qualifications at post-secondary level may also be classified by field of study, where applicable.

17   The classification for field of study is a four-digit hierarchical structure comprising three levels - broad field (two-digit), narrow field (three-digit) and detailed field (four-digit). The broad field constitutes the highest level of aggregation in the field of study classification, with 15 categories in total. Moving down the hierarchy, there are 61 three-digit narrow fields and 248 four-digit detailed fields of study.

18   The 15 broad fields of study are as follows:

    00   Generic Programmes and Qualifications
    01   Education
    02   Fine & Applied Arts
    03   Humanities & Social Sciences
    04   Mass Communication & Information Science
    05   Business & Administration
    06   Law

07   Natural, Physical, Chemical & Mathematical Sciences

08   Health Sciences

09   Information Technology

10   Architecture, Building & Real Estate

11   Engineering Sciences

12   Engineering, Manufacturing & Related Trades

13   Services

99   Other Fields

19   The following illustrates the hierarchical structure of the field of study classification from the broad field to the detailed field, using 'Human Resource Management' as an example:

Classification	Title	Code
Broad Field	Business & Administration	05
Narrow Field	Administration & Management	051
Detailed Field	Human Resource Management	0512

20   At the three and four-digit levels, the digit '9' that appears in the last digit position denotes residual fields of study grouped at the respective level of detail.

21   In classifying an educational programme by the field of study, the main consideration is the theoretical content of the programme. In the case of inter- or multi-disciplinary programme, i.e. programme which combines two fields of study, the 'majority rule' should be applied. Based on the majority rule, an inter- or multi-disciplinary programme should be classified to the field of study where most time is spent on (i.e. the leading/main field of study). In practice, the number of modular credits may be used in place of time spent on a field of study. In line with the guidelines provided by ISCED-F 2013, inter-disciplinary programmes with more than one leading broad field should be classified in the broad field listed first in the title (or in the curriculum or syllabus if not listed in the title) of the programme or qualification.

Comparison with SSEC 2010

Classification of Level of Education Attending

22   The classification of level of education attending in the SSEC 2015 remains broadly similar to the structure in SSEC 2010, with minor modifications made to the description of certain categories. The comparison is shown in the following table.

SSEC 2015		SSEC 2010	
0	Pre-Primary	0	Pre-Primary
1	Primary	1	Primary
2	Secondary	2	Secondary: General & Vocational
3	Post-Secondary (Non-Tertiary): General & Vocational	3	Post-Secondary (Non-Tertiary): General & Vocational
4	Polytechnic Diploma Course	4	Polytechnic Diploma Course
5	Other Courses Leading to Award of Professional Qualification and Other Diploma	5	Other Courses Leading to Award of Professional Qualification and Other Diploma
6	Bachelor's or Equivalent	6	University First Degree
7	Postgraduate Diploma/ Certificate (Excluding Master's and Doctorate)	7	University Postgraduate Diploma/Degree
8	Master's and Doctorate or Equivalent		

23   In SSEC 2015, the description "University First Degree" at the one-digit level has been replaced with the term "Bachelor's or equivalent". This is to further align with the terminology used in ISCED 2011. To better reflect the difference in rigor and duration of various programmes at the postgraduate level, separate categories have been created for the postgraduate diplomas and certificates versus the other qualifications (i.e. master's and doctorate) at the broad level.

24   At the two-digit level, the number of categories remains the same, with amendments to the descriptions of certain categories. The descriptions of code 21 to 25 have been renamed as "Secondary X" to broaden the scope and accommodate the specialised schools in Singapore offering pre-vocational programmes at the secondary level. The focus of such programmes is on hands-on and practical learning, leading to a combination of academic and vocational qualifications.

Classification of Educational Qualification Attained

25   As the structure of the level of education attending and the educational qualification attained classifications are closely linked, most of the changes in descriptions for the level of education attending classification also apply to the classification of educational qualification attained. At the two-digit level, a new code for "Pre-primary/Kindergarten Education" is added to capture qualifications attained at this level. The following table compares the one-digit groups of SSEC 2015 and 2010:

SSEC 2015		SSEC 2010	
0	No Formal Qualification/ Pre-primary/ Lower Primary	0	No Formal Qualification/Lower Primary
1	Primary	1	Primary
2	Lower Secondary	2	Lower Secondary
3	Secondary	3	Secondary
4	Post-Secondary (Non-Tertiary): General & Vocational	4	Post-Secondary (Non-Tertiary): General & Vocational
5	Polytechnic Diploma	5	Polytechnic Diploma
6	Professional Qualification and Other Diploma	6	Professional Qualification and Other Diploma
7	Bachelor's or Equivalent	7	University First Degree
8	Postgraduate Diploma/Certificate (Excluding Master's and Doctorate)	8	University Postgraduate Diploma/Degree
9	Master's and Doctorate or Equivalent		
N	Modular Certification (Non-Award Courses/Non-full Qualifications)	9	Other Education (Non-Award Courses/Miscellaneous)

26   With growing emphasis on the Continuing Education and Training (CET) programmes in Singapore, such as the programmes under the Singapore Workforce Skills Qualifications (WSQ) system and bite-sized learning and skills-upgrading modules, the scope and description of the category "Other Education (Non-Award Courses/Miscellaneous" is refined to "Modular Certification (Non-Award Courses/Non-full Qualifications)" to better cater to users' needs to classify educational attainment/skills upgrading within the system. Modular programmes such as the polytechnic post-diploma certificate programmes have been reclassified here. This category is denoted by the letter 'N'. Similar to the SSEC 2010, full qualifications awarded based on the WSQ system will be classified and benchmarked to the equivalent educational qualifications in the mainstream education system

Classification of Field of Study

27   In the SSEC 2015 field of study classification, the number of broad fields increased from 14 to 15; narrow fields from 59 to 61 and detailed fields from 238 to 248. A new broad field for "Generic Programmes and Qualifications" has been introduced to account for broad generic programmes and qualifications which cover a broad range of subjects with little or no specialisation in a particular field or fields, in line with the ISCED 2011. At the detailed field level, codes for "Basic Programmes and Qualifications", "Literacy and Numeracy" and "Personal Skills and Development" have been included under this new broad field.

28   New detailed fields for "Games Design" and "Animation & Visual Effects" have been added to the narrow field of Design & Applied Arts (022) to reflect the prevalence of programmes in these fields being offered by our Institutes of Higher Learning (IHLs). The field of "Student/Youth Care" has also been split to create separate categories for "Student Care" and "Youth Care" given that the focus of the programmes are quite different, with the former covering aspects like supervised care for children before/after school and the latter covering issues like engaging at-risk youths and mentoring youths. A new detailed field has also been created for "Pastry Making & Baking Skills" under the narrow field Food Services (132) to reflect the specialised programmes/courses in baking and pastry making offered by some of the schools in Singapore.

29   The table below lists the fields of study which are assigned unique codes at the four-digit level in SSEC 2015.

Code	Description
0001	Basic Programmes and Qualifications
0002	Literacy and Numeracy
0003	Personal Skills and Development
0225	Games Design
0226	Animation and Visual Effects
0342	Student Care (eg supervised care for children before/after school, student counselling)
0343	Youth Care (eg engaging at-risk youths, mentoring youths)
0717	Environmental Science
1322	Pastry Making & Baking Skills

30   At the broader level, the field of "Veterinary Sciences" has been reclassified from 08 "Health Sciences" in SSEC 2010 to 07 "Natural, Physical, Chemical & Mathematical Sciences" in SSEC 2015, in line with the treatment in the ISCED-F 2013, where the broad field devoted to "(Human) Health and Welfare" is kept separate from other sciences.

31   A table of comparison for the field of study classification between SSEC 2015 and 2010 is given in Appendix IV.

Practical Considerations in the Design and Usage of SSEC 2015

32   The design of SSEC 2015 has remained largely similar to SSEC 2010. A major consideration in retaining the design of the SSEC is the requirements for collecting and classifying data collected in sample household and labour force surveys and the extent of details that could be obtained from respondents. For example, there is no distinction between professional qualifications awarded by accredited institutions and those that are not accredited. Respondents are generally not able to provide sufficient information for such distinction either for themselves or on behalf of household members.

Classification of
Level of Education Attending

SSEC 2015	Description	SSEC 2010
0	**PRE-PRIMARY**	
01	Pre-Primary	01
1	**PRIMARY**	
11	Primary 1	11
12	Primary 2	12
13	Primary 3	13
14	Primary 4	14
15	Primary 5	15
16	Primary 6	16
19	Other primary education or equivalent n.e.c.	19
2	**SECONDARY**	
21	Secondary 1	21
22	Secondary 2	22
23	Secondary 3	23
24	Secondary 4	24
25	Secondary 5	25
26	ITE Skills Certificate (ISC)	26
27	Other secondary education or equivalent	27
28	Other skills certificate courses or equivalent (except ISC)	29
3	**POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL**	
31	Pre-University 1 / Junior College 1 (General) (including Year 1 of Integrated Programme)	31
32	Pre-University 2 / Junior College 2 (General)	32
33	Pre-University 3 (General)	33
34	National ITE Certificate (Nitec)	34
35	Higher Nitec	35
36	Master Nitec	36
37	Other post-secondary (non-tertiary; General) education or equivalent	37
38	Other post-secondary (non-tertiary; Vocational) education or equivalent (eg advanced certificate courses)	39
4	**POLYTECHNIC DIPLOMA COURSE**	
41	Polytechnic diploma	41
42	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/management/graduate diploma)	42

SSEC 2015	Description	SSEC 2010
5	**OTHER COURSES LEADING TO AWARD OF PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA**	
51	ITE diploma	51
52	Other diploma (eg NIE diploma, SIM diploma, LASALLE-SIA diploma, NAFA diploma or equivalent)	52
53	Qualifications awarded by professional bodies	53
59	Other advanced diploma, post diploma qualifications or equivalent n.e.c.	59
6	**BACHELOR'S OR EQUIVALENT**	
60	Bachelor's degree or equivalent (including NIE bachelor degree with diploma in education)	60
7	**POSTGRADUATE DIPLOMA / CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)**	
70	Postgraduate diploma/certificate (including NIE postgraduate diploma)	71
8	**MASTER'S AND DOCTORATE OR EQUIVALENT**	
81	Master's or equivalent	72
82	Doctorate or equivalent	73
X	**NOT REPORTED**	
XX	Not reported	XX

Classification of
Educational Qualification Attained

SSEC 2015	Description	SSEC 2010
0	**NO FORMAL QUALIFICATION / PRE-PRIMARY/ LOWER PRIMARY**	
01	Never attended school	01 (part)
02	Pre-primary / Kindergarten education	01 (part)
03	Primary education without PSLE / PSPE certification or their equivalent	02
04	Certificate in BEST 1-3	03
1	**PRIMARY**	
11	Primary School Leaving Certificate (PSLE) / Primary School Proficiency Certificate (PSPE) or other certificates of equivalent standard	11
12	Certificate in BEST 4	12
13	At least 3 WSQ Statements of Attainment in Workplace Literacy or Numeracy (WPLN) at Level 1 or 2 (eg under ESS, ES)	13
2	**LOWER SECONDARY**	
21	Secondary education without a GCE 'O' / 'N' Level pass or their equivalent	21
22	Certificate in WISE 1-3	22
23	Basic vocational certificates (including ITE Basic Vocational Training)	23
24	At least 3 WSQ Statements of Attainment in Workplace Literacy or Numeracy (WPLN) at Level 3 or 4 (eg under ESS, ES)	24
3	**SECONDARY**	
31	At least 1 GCE 'N' Level pass	31
32	At least 1 GCE 'O' Level pass	32
33	National ITE Certificate (Intermediate) or equivalent (eg National Technical Certificate Grade 3, Certificate of Vocational Training, BCA Builder Certificate)	33
34	ITE Skills Certificate (ISC) or equivalent (eg Certificate of Competency, Certificate in Service Skills)	34
35	At least 3 WSQ Statements of Attainment in Workplace Literacy or Numeracy (WPLN) at Level 5 and above (eg under ESS, ES)	35
39	Other certificates or qualifications of equivalent standard (secondary) n.e.c.	39

SSEC 2015	Description	SSEC 2010
4	**POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL**	
41	At least 1 GCE 'A'/'H2' Level pass or equivalent (General)	41
42	National ITE Certificate (Nitec) or equivalent (eg Post Nitec Certificate, Specialist Nitec, Certificate in Office Skills, National Technical Certificate Grade 2, National Certificate in Nursing, Advanced Builder Certificate)	42
43	Higher Nitec, including Certificate in Business Skills, Industrial Technician Certificate and other polytechnic certificates	43
44	Master Nitec or equivalent (eg National Technical Certificate Grade 1)	44
45	WSQ Certificate or equivalent	45
46	WSQ Higher Certificate or equivalent	46
47	WSQ Advanced Certificate or equivalent	47
48	Other post-secondary (non-tertiary; General) qualifications, including International Baccalaureate / High School Diploma	48
49	Other post-secondary (non-tertiary; Vocational) certificates (eg SIM certificates) qualifications	49
5	**POLYTECHNIC DIPLOMA**	
51	Polytechnic diploma	51
52	Polytechnic advanced diploma (including polytechnic advanced/post/ specialist/management/graduate diploma)	52
6	**PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA**	
61	ITE diploma	61
62	Diploma qualifications (eg NIE diploma, SIM diploma, LaSalle-SIA diploma, NAFA diploma)	62
63	Qualifications awarded by professional bodies	63
64	WSQ diploma	64
65	WSQ specialist diploma	65
69	Other advanced diploma, post-diploma qualifications or equivalent n.e.c.	69
7	**BACHELOR'S OR EQUIVALENT**	
70	Bachelor's degree or equivalent	70
8	**POSTGRADUATE DIPLOMA / CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)**	
81	Postgraduate diploma (including NIE postgraduate diploma)	81
82	WSQ graduate certificate	82
83	WSQ graduate diploma	83

SSEC 2015	Description	SSEC 2010
9	**MASTER'S AND DOCTORATE OR EQUIVALENT**	
91	Master's or equivalent	84
92	Doctorate or equivalent	85
N	**MODULAR CERTIFICATION (NON-AWARD COURSES / NON-FULL QUALIFICATIONS)**	
N1	At least 1 WSQ Statement of Attainment or ITE modular certificate at Post-Secondary Level (Non-Tertiary) or equivalent	91
N2	At least 1 WSQ Statement of Attainment or other modular certificate at Diploma Level or equivalent	53, 92
N3	At least 1 WSQ Statement of Attainment or other modular certificate at Degree Level or equivalent	93 (part)
N4	At least 1 WSQ Statement of Attainment or other modular certificate at Postgraduate Level or equivalent	93 (part)
N9	Other Statement of Attainment, modular certificate or equivalent n.e.c.	99
X	**NOT REPORTED**	
XX	Not reported	XX

Classification of Field of Study

SSEC 2015	Description	SSEC 2010

00   **GENERIC PROGRAMMES AND QUALIFICATIONS**

000   GENERIC PROGRAMMES AND QUALIFICATIONS

0001	Basic Programmes and Qualifications	new item
0002	Literacy and Numeracy	new item
0003	Personal Skills and Development	new item

01   **EDUCATION**

011   TEACHER TRAINING

0111	General Teacher Training	0111
0112	Early Childhood Education	0112
0113	Special Education	0113
0114	Physical Education	0114
0119	Teacher Training n.e.c.	0119

012   EDUCATION SCIENCE

0121	Education Management & Administration	0121
0122	Curriculum Development	0122
0123	Educational Assessment	0123
0124	Educational Psychology	0124
0125	Educational Technology	0125
0129	Education Science n.e.c.	0129

013   TRAINER TRAINING

0130	Adult & Continuing Education and Training	0130

02   **FINE & APPLIED ARTS**

021   FINE & PERFORMING ARTS

0211	Fine Arts	0211
0212	Music	0212
0213	Drama (including theatre studies)	0213
0214	Dance	0214
0219	Fine & Performing Arts n.e.c.	0219

SSEC 2015	Description	SSEC 2010
022	DESIGN & APPLIED ARTS	
0221	Graphic & Multi-Media Design (eg visual communication, communication design)	0221
0222	Fashion Design	0222
0223	Interior Design	0223
0224	Product/Industrial Design	0224
0225	Games Design	0229 (part)
0226	Animation and Visual Effects	0229 (part)
0229	Design & Applied Arts n.e.c.	0229 (part)
023	MEDIA PRODUCTION	
0231	Photography	0231
0232	Videography	0232
0233	Cinematography (including digital filmmaking)	0233
0239	Media Production n.e.c.	0239
029	FINE & APPLIED ARTS NOT ELSEWHERE CLASSIFIED	
0291	Publishing	0291
0299	Fine & Applied Arts n.e.c.	0299
03	**HUMANITIES & SOCIAL SCIENCES**	
031	LANGUAGE & CULTURAL STUDIES	
0311	English Studies	0311
0312	Malay Studies	0312
0313	Chinese Studies	0313
0314	Tamil Studies	0314
0319	Language & Cultural Studies n.e.c. (eg applied linguistics)	0319
032	BEHAVIOURAL SCIENCE	
0321	Sociology & Anthropology	0321
0322	Psychology	0322
0329	Behavioural Science n.e.c. (eg criminology)	0329
033	ECONOMICS	
0330	Economics	0330

SSEC 2015	Description	SSEC 2010
034	**SOCIAL AND COMMUNITY SERVICES**	
0341	Social Work	0341
0342	Student Care (eg supervised care for children before/after school, student counselling)	0342 (part)
0343	Youth Care (eg engaging at-risk youths, mentoring youths)	0342 (part)
0344	Counselling	0343
039	**HUMANITIES & SOCIAL SCIENCES NOT ELSEWHERE CLASSIFIED**	
0391	Religious Studies	0391
0392	Philosophy	0392
0393	Geography (including cartography)	0393
0394	Political Science	0394
0395	History	0395
0399	Humanities & Social Sciences n.e.c. (including regional studies, international relations, demography, labour studies)	0399
04	**MASS COMMUNICATION & INFORMATION SCIENCE**	
041	**MASS COMMUNICATION**	
0411	Mass Communication (including radio & TV broadcasting)	0411
0412	Public Relations	0412
0413	Journalism	0413
042	**INFORMATION SCIENCE**	
0421	Information Science (including library science)	0421
0422	Curatorial Studies (including archival studies, museum studies)	0422
05	**BUSINESS & ADMINISTRATION**	
051	**ADMINISTRATION & MANAGEMENT**	
0511	Business Management	0511
0512	Human Resource Management	0512
0513	Industrial Management	0513
0514	Operations/Logistics Management	0514
0515	Public and Institution Management	0515
0516	Hospitality and Tourism Management	0516
0517	Arts & Events Management	0517
0519	Administration & Management n.e.c.	0519

SSEC 2015	Description	SSEC 2010
052	ACCOUNTANCY	
0521	Accountancy	0521
0522	Auditing	0522
0523	Bookkeeping	0523
0524	Tax accounting	0524
053	BANKING, INSURANCE & FINANCIAL SERVICES	
0531	Banking & Financial Investment	0531
0532	Insurance	0532
0533	Actuarial Science	0533
0539	Banking, Insurance & Financial Services n.e.c. (including computational finance)	0539
054	SALES & MARKETING	
0541	Marketing	0541
0542	Advertising	0542
0543	Retailing & Wholesaling	0543
0544	Merchandising	0544
0549	Sales & Marketing n.e.c.	0549
055	MANAGEMENT SUPPORT SERVICES	
0551	Secretarial/Office Skills	0551
0552	Keyboarding and Shorthand/Stenography	0552
0559	Management Support Services n.e.c.	0559
059	BUSINESS & ADMINISTRATION NOT ELSEWHERE CLASSIFIED	
0591	E-commerce Management	0591
0599	Business & Administration n.e.c. (including entrepreneurship)	0599
06	**LAW**	
060	LAW	
0601	Law	0601
0602	Legal Studies	0602

SSEC 2015	Description	SSEC 2010

07   **NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES**

071   BIOLOGICAL SCIENCES & TECHNOLOGIES

0711	Biology (including botany, zoology)	0711
0712	Physiology	0712
0713	Biochemistry	0713
0714	Microbiology	0714
0715	Biotechnology	0715
0716	Food Science & Technology	0716
0717	Environmental Science	0719 (part)
0719	Biological Sciences & Technologies n.e.c. (including molecular biology, cell & molecular biology, computational biology)	0719 (part)

072   PHYSICAL SCIENCES & TECHNOLOGIES

0721	Chemistry (including applied chemistry)	0721
0722	Physics (including applied physics)	0722
0723	Materials Science	0723
0729	Physical Sciences & Technologies n.e.c. (including meteorology, astronomy, geology, oceanography, soil & water science, computational chemistry, computational physics)	0729

073   AGRICULTURE & FISHERY

0731	Agricultural Science (including agrobiology)	0731
0732	Fishery	0732
0733	Horticulture	0733
0734	Forestry	0734

074   VETERINARY SCIENCES

0741	Veterinary Medicine	0841
0742	Veterinary Support Services	0842

075   MATHEMATICS & STATISTICS

0751	Mathematics (including applied mathematics)	0741
0752	Statistics	0742
0753	Operations Research	0743
0754	Econometrics	0744
0759	Mathematics & Statistics n.e.c. (including computational mathematics)	0749

SSEC 2015	Description	SSEC 2010
079	NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES NOT ELSEWHERE CLASSIFIED	
0790	Natural, Physical, Chemical & Mathematical Sciences n.e.c.	0790
08	**HEALTH SCIENCES**	
081	GENERAL MEDICAL SCIENCES	
0811	General Medicine (including internal/occupational/public health/family & community medicine)	0811
0812	General Surgery	0812
082	SPECIALISED MEDICAL SCIENCES	
0821	Obstetrics & Gynaecology	0821
0822	Paediatrics	0822
0823	Anaesthesiology	0823
0824	Radiology	0824
0825	Psychiatry	0825
0826	Orthopaedics	0826
0827	Ophthalmology	0827
0828	Cardiology	0828
0829	Specialised Medical Sciences n.e.c.	0829
083	DENTISTRY	
0831	General Dentistry	0831
0832	Endodontics	0832
0833	Oral & Maxillo-facial Surgery	0833
0834	Oral Pathology & Oral Medicine	0834
0835	Orthodontics	0835
0836	Paediatrics Dentistry	0836
0837	Periodontics	0837
0838	Prosthodontics	0838
0839	Dental Sciences n.e.c.	0839
084	NURSING & HEALTH CARE	
0841	Nursing	0851
0842	Health care	0852
085	PHARMACY	
0850	Pharmacy	0860

SSEC 2015	Description	SSEC 2010
086	COMPLEMENTARY THERAPIES	
0860	Complementary Therapies (eg Traditional Chinese Medicine, acupuncture and naturopathy)	0870
089	HEALTH SCIENCES NOT ELSEWHERE CLASSIFIED	
0891	Physiotherapy	0891
0892	Occupational Therapy	0892
0893	Radiography	0893
0894	Nutrition and Dietetics	0894
0895	Public Health	0895
0896	Optometry	0896
0897	Biomedical Science	0897
0898	Medical Laboratory Technology	0898
0899	Health Sciences n.e.c. (including cardiac technology)	0899
09	**INFORMATION TECHNOLOGY**	
091	INFORMATION TECHNOLOGY	
0911	Computer Science (including programming, networking)	0911
0912	Information Systems (including MIS, system design)	0912
0913	Software Engineering	0913
0914	Business Information Technology (including e-commerce technology, business information systems)	0914
0915	Multi-Media Technology (eg Interactive Digital Media (IDM), games development)	0915
0916	Internet Technology	0916
0917	Infocomm Security Management (including network security)	0917
0919	Information Technology n.e.c.	0919
092	COMPUTER OPERATIONS/TECHNICAL SUPPORT	
0920	Computer Operations/Technical Support	0920
10	**ARCHITECTURE, BUILDING & REAL ESTATE**	
101	ARCHITECTURE	
1011	Architecture	1011
1012	Landscape Architecture	1012
1013	Architectural Technology	1013

SSEC 2015	Description	SSEC 2010
102	TOWN PLANNING	
1020	Town/Urban Planning	1020
103	SURVEYING	
1031	Land Surveying	1031
1032	Quantity Surveying	1032
1033	Building Surveying & Inspection	1033
104	BUILDING SCIENCE & MANAGEMENT	
1041	Building Science & Technology	1041
1042	Building Construction Management	1042
1043	Building/Estate/Property Management	1043
1049	Building Science & Management n.e.c. (including contract management)	1049
105	BUILDING TRADES	
1050	Building Trades	1050
109	ARCHITECTURE, BUILDING AND REAL ESTATE NOT ELSEWHERE CLASSIFIED	
1091	Architectural Drafting	1091
1092	Real Estate (including valuation)	1092
1099	Architecture & Building n.e.c.	1099
11	**ENGINEERING SCIENCES**	
111	CHEMICAL ENGINEERING	
1111	Chemical Engineering (including chemical process engineering)	1111
1112	Polymer Engineering & Technology	1112
1113	Industrial Chemical Technology	1113
1119	Chemical Engineering n.e.c.	1119

SSEC 2015	Description	SSEC 2010
112	**CIVIL ENGINEERING**	
1121	Civil Engineering	1121
1122	Structural Engineering	1122
1123	Geotechnical Engineering	1123
1124	Hydraulics Engineering	1124
1125	Transportation Engineering	1125
1126	Environmental Engineering (including public health, water resources engineering)	1126
1129	Civil Engineering n.e.c. (including construction engineering, construction technology & materials)	1129
113	**ELECTRICAL & ELECTRONICS ENGINEERING**	
1131	Electronics Engineering	1131
1132	Electrical Engineering (including power engineering)	1132
1133	Communications Engineering (including wireless technology)	1133
1134	Microelectronics	1134
1139	Electrical & Electronics Engineering n.e.c.	1139
114	**COMPUTER ENGINEERING**	
1140	Computer Engineering	1140
115	**MECHANICAL ENGINEERING**	
1151	Mechanical Engineering	1151
1152	Aeronautical Engineering (including aerospace electronics)	1152
1153	Automotive Engineering	1153
1154	Thermal Engineering	1154
1155	Mechatronics	1155
1159	Mechanical Engineering n.e.c.	1159
116	**MARINE ENGINEERING**	
1161	Marine Engineering	1161
1162	Shipbuilding Engineering	1162
1163	Naval Architecture	1163
1169	Marine Engineering n.e.c.	1169

SSEC 2015	Description	SSEC 2010
117	MANUFACTURING & RELATED ENGINEERING	
1171	Manufacturing/Production Engineering	1171
1172	Industrial Engineering	1172
1173	Materials Engineering	1173
1174	Precision Engineering	1174
1175	Quality Assurance Engineering	1175
1179	Manufacturing & Related Engineering n.e.c.	1179
119	ENGINEERING SCIENCES NOT ELSEWHERE CLASSIFIED	
1191	Metallurgical Engineering	1191
1192	Building Services Engineering	1192
1193	Biomedical Engineering	1193
1199	Engineering Sciences n.e.c.	1199
12	**ENGINEERING, MANUFACTURING & RELATED TRADES**	
121	ENGINEERING TRADES	
1211	Electrical/Electronics Installation & Servicing (eg air-conditioning & refrigeration)	1211
1212	Mechanical Installation & Servicing	1212
1213	Precision Tool Engineering & Design	1213
1214	Motor Vehicle Mechanics	1214
1215	Aircraft Mechanics	1215
1216	Marine Engineering Mechanics	1216
1219	Engineering Trades n.e.c. (eg pipe & steel fabrication, welding, diesel engine mechanics)	1219
122	MANUFACTURING TRADES	
1221	Manufacture of Electronic Products & Components	1221
1222	Printing Crafts	1222
1223	Furniture Production/Carpentry	1223
1224	Footwear/Textile/Clothing Production	1224
1229	Manufacturing Trades n.e.c.	1229
129	ENGINEERING, MANUFACTURING & RELATED TRADES NOT ELSEWHERE CLASSIFIED	
1291	Civil & Structural Drafting	1291
1292	Electrical Drafting	1292
1293	Mechanical Drafting	1293
1299	Engineering, Manufacturing & Related Trades n.e.c.	1299

SSEC 2015	Description	SSEC 2010

13   **SERVICES**

131   PERSONAL SERVICES

1311	Hairdressing	1311
1312	Beauty Services	1312
1313	Fashion Garment/Garment Patternmaking	1313
1314	Domestic Science	1314
1319	Personal Services n.e.c.	1319

132   FOOD SERVICES

1321	Culinary Skills/Arts (including food preparation)	1321 (part)
1322	Pastry Making & Baking Skills	1321 (part)
1323	Food & Beverage Management/Services	1322
1329	Food Services n.e.c.	1329

133   HOSPITALITY SERVICES

1331	Front Office Operations	1331
1332	Accommodation Services	1332
1333	Housekeeping	1333
1334	Travel/Tourism Services	1334
1339	Hospitality Services n.e.c.	1339

134   TRANSPORT SERVICES

1341	Maritime Studies (including nautical studies, maritime transportation)	1341
1342	Aircraft Operation	1342
1343	Air Traffic Control	1343
1349	Transport Services n.e.c.	1349

135   SECURITY SERVICES

1351	Police Studies & Security Management	1351
1352	Civil Defence	1352
1353	Fire Fighting	1353
1354	Hotel Security	1354
1355	Occupational Safety Management (including fire & safety management)	1355
1359	Security Services n.e.c.	1359

SSEC 2015	Description	SSEC 2010
136	SPORTS AND RECREATION SERVICES	
1361	Sports and Recreation Studies	0344 (part)
1362	Fitness Training and Sports Coaching	0344 (part)
1369	Sports and Recreation Services n.e.c. (eg Sports Management)	0344 (part)
99	**OTHER FIELDS**	
999	OTHER FIELDS NOT ELSEWHERE CLASSIFIED	
9991	Translation & Interpretation	9991
9999	Other Fields n.e.c.	9999
XX	**NOT REPORTED**	
XXX	NOT REPORTED	
XXXX	Not Reported	XXXX

Appendix I:

Singapore Education System with Continuing Education and Training

Singapore Education System with Continuing Education and Training System

---
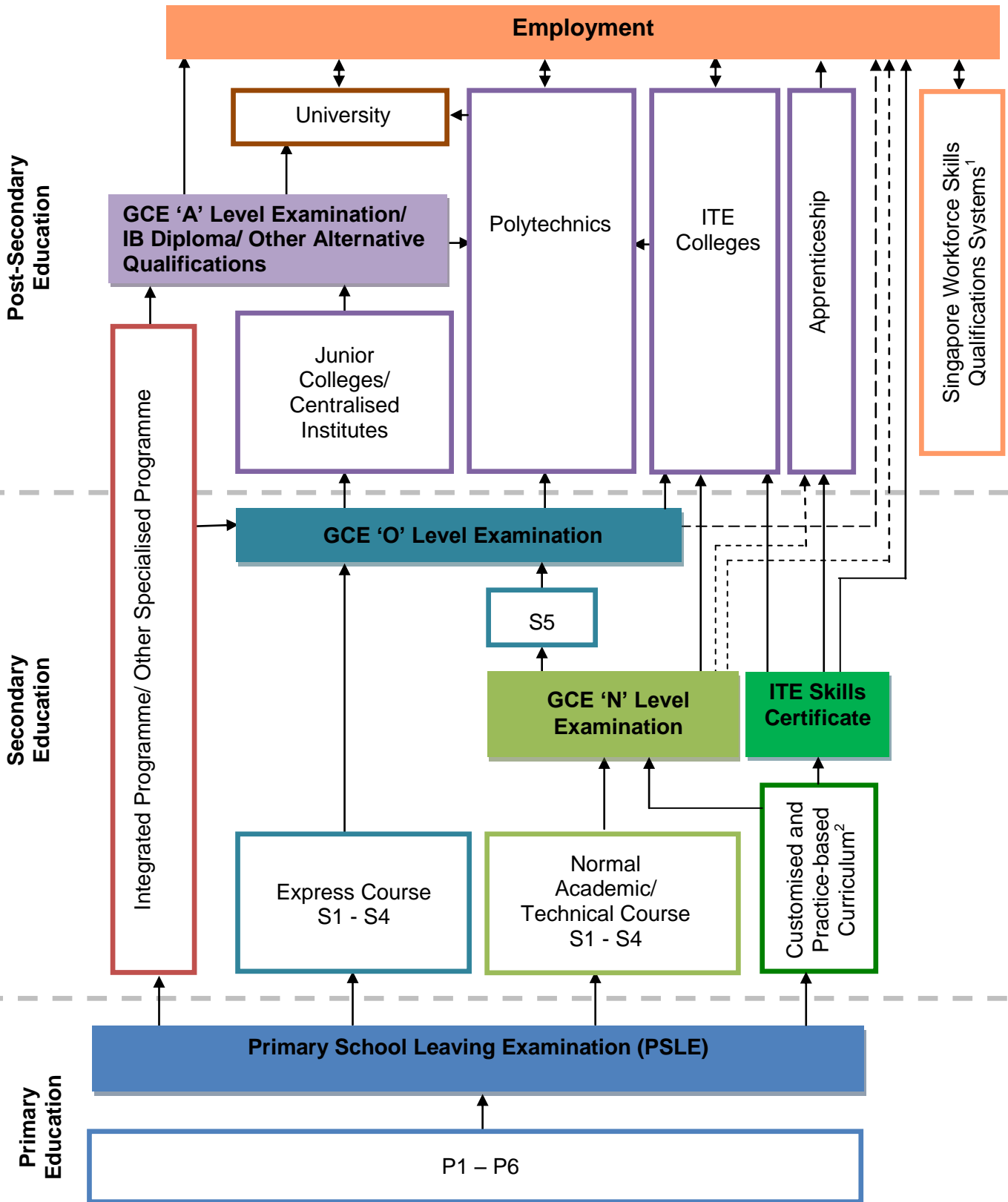
[1] This refers to the WSQ full qualifications. For the classification of Statements of Attainment or Modular Certificates, please refer to the Classification of Educational Qualification Attained.
[2] This refers to Specialised Schools offering customised programmes for students who are inclined towards hands-on and practical learning. These schools include Northlight School, Assumption Pathway School, Crest Secondary School and Spectra Secondary School

31

Appendix II:
Comparison between
SSEC 2015 and SSEC 2010
– Level of Education Attending

Comparison Table: Level of Education Attending

SSEC 2015			SSEC 2010		
0		**PRE-PRIMARY**	**0**		**PRE-PRIMARY**
	01	Pre-Primary		01	Pre-Primary
1		**PRIMARY**	**1**		**PRIMARY**
	11	Primary 1		11	Primary 1
	12	Primary 2		12	Primary 2
	13	Primary 3		13	Primary 3
	14	Primary 4		14	Primary 4
	15	Primary 5		15	Primary 5
	16	Primary 6		16	Primary 6
	19	Other primary education or equivalent n.e.c.		19	Other primary education or equivalent
2		**SECONDARY**	**2**		**SECONDARY: GENERAL & VOCATIONAL**
	21	Secondary 1		21	Secondary 1 (General)
	22	Secondary 2		22	Secondary 2 (General)
	23	Secondary 3		23	Secondary 3 (General)
	24	Secondary 4		24	Secondary 4 (General)
	25	Secondary 5		25	Secondary 5 (General)
	26	ITE Skills Certificate (ISC)		26	ITE Skills Certificate (ISC)
	27	Other secondary education or equivalent		27	Other secondary (General) education or equivalent
	28	Other skills certificate courses or equivalent (except ISC)		29	Skilled certificate courses or equivalent (except ISC)

Comparison Table: Level of Education Attending

SSEC 2015		SSEC 2010	
3	**POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL**	**3**	**POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL**
31	Pre-University 1 / Junior College 1 (General) (including Year 1 of Integrated Programme)	31	Pre-University 1 / Junior College 1 (General)
32	Pre-University 2 / Junior College 2 (General)	32	Pre-University 2 / Junior College 2 (General)
33	Pre-University 3 (General)	33	Pre-University 3 (General)
34	National ITE Certificate (Nitec)	34	National ITE Certificate (Nitec)
35	Higher Nitec	35	Higher Nitec
36	Master Nitec	36	Master Nitec
37	Other post-secondary (non-tertiary; General) education or equivalent	37	Other post-secondary (non-tertiary; General) education or equivalent
38	Other post-secondary (non-tertiary; Vocational) education or equivalent (eg advanced certificate courses)	39	Other post-secondary (non-tertiary; Vocational) education or equivalent (eg advanced certificate courses)
4	**POLYTECHNIC DIPLOMA COURSE**	**4**	**POLYTECHNIC DIPLOMA COURSE**
41	Polytechnic diploma	41	Polytechnic diploma
42	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/ management/graduate diploma)	42	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/ management/graduate diploma)
5	**OTHER COURSES LEADING TO AWARD OF PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA**	**5**	**OTHER COURSES LEADING TO AWARD OF PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA**
51	ITE diploma	51	ITE diploma
52	Other diploma (eg NIE diploma, SIM diploma, LASALLE-SIA diploma, NAFA diploma or equivalent)	52	Other diploma (eg NIE diploma, SIM diploma, LASALLE-SIA diploma, NAFA diploma or equivalent)
53	Qualifications awarded by professional bodies	53	Qualifications awarded by professional bodies
59	Other advanced diploma, post diploma qualifications or equivalent n.e.c.	59	Other advanced diploma, post diploma qualifications or equivalent

Comparison Table: Level of Education Attending

SSEC 2015		SSEC 2010	
6	**BACHELOR'S OR EQUIVALENT**	**6**	**UNIVERSITY FIRST DEGREE**
60	Bachelor's degree or equivalent (including NIE bachelor degree with diploma in education)	60	Bachelor degree (including NIE bachelor degree with diploma in education)
7	**POSTGRADUATE DIPLOMA / CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)**	**7**	**UNIVERSITY POSTGRADUATE DIPLOMA / DEGREE**
70	Postgraduate diploma/certificate (including NIE postgraduate diploma)	71	Postgraduate diploma (including NIE postgraduate diploma)
		72	Master
8	**MASTER'S AND DOCTORATE OR EQUIVALENT**	73	Doctorate
81	Master's or equivalent		
82	Doctorate or equivalent		
X	**NOT REPORTED**	**X**	**NOT REPORTED**
XX	Not Reported	XX	Not Reported

Appendix III:
Comparison between
SSEC 2015 and SSEC 2010
– Educational Qualification Attained

Comparison Table: Educational Qualification Attained

SSEC 2015		SSEC 2010	
0	**NO FORMAL QUALIFICATION / PRE-PRIMARY / LOWER PRIMARY**	**0**	**NO FORMAL QUALIFICATION / LOWER PRIMARY**
01	Never attended school	01	Never attended school
02	Pre-primary / Kindergarten education	02	Primary education without PSLE / PSPE certification or their equivalent
03	Primary education without PSLE / PSPE certification or their equivalent	03	Certificate in BEST 1-3
04	Certificate in BEST 1-3		
1	**PRIMARY**	**1**	**PRIMARY**
11	Primary School Leaving Certificate (PSLE) / Primary School Proficiency Certificate (PSPE) or other certificates of equivalent standard	11	Primary School Leaving Certificate (PSLE) / Primary School Proficiency Certificate (PSPE) or other certificates of equivalent standard
12	Certificate in BEST 4	12	Certificate in BEST 4
13	At least 3 WSQ Statements of Attainment in Workplace Literacy or Numeracy (WPLN) at Level 1 or 2 (eg under ESS, ES)	13	At least 3 ESS WPLN Statements of Attainment at Level 1 or 2
2	**LOWER SECONDARY**	**2**	**LOWER SECONDARY**
21	Secondary education without a GCE 'O' / 'N' Level pass or their equivalent	21	Secondary education without a GCE 'O' / 'N' Level pass or their equivalent
22	Certificate in WISE 1-3	22	Certificate in WISE 1-3
23	Basic vocational certificates (including ITE Basic Vocational Training)	23	Basic vocational certificates (including ITE Basic Vocational Training)
24	At least 3 WSQ Statements of Attainment in Workplace Literacy or Numeracy (WPLN) at Level 3 or 4 (eg under ESS, ES)	24	At least 3 ESS WPLN Statements of Attainment at Level 3 or 4

Comparison Table: Educational Qualification Attained

SSEC 2015			SSEC 2010		
3		**SECONDARY**	**3**		**SECONDARY**
	31	At least 1 GCE 'N' Level pass		31	At least 1 GCE 'N' Level pass
	32	At least 1 GCE 'O' Level pass		32	At least 1 GCE 'O' Level pass
	33	National ITE Certificate (Intermediate) or equivalent (eg National Technical Certificate Grade 3, Certificate of Vocational Training, BCA Builder Certificate)		33	National ITE Certificate (Intermediate) or equivalent (eg National Technical Certificate Grade 3, Certificate of Vocational Training, BCA Builder Certificate)
	34	ITE Skills Certificate (ISC) or equivalent (eg Certificate of Competency, Certificate in Service Skills)		34	ITE Skills Certificate (ISC) or equivalent (eg Certificate of Competency, Certificate in Service Skills)
	35	At least 3 WSQ Statements of Attainment in Workplace Literacy or Numeracy (WPLN) at Level 5 and above (eg under ESS, ES)		35	At least 3 ESS WPLN Statements of Attainment at Level 5 and above
	39	Other certificates or qualifications of equivalent standard (secondary) n.e.c.		39	Other certificates or qualifications of equivalent standard
4		**POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL**	**4**		**POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL**
	41	At least 1 GCE 'A'/'H2' Level pass or equivalent (General)		41	At least 1 GCE 'A'/'H2' Level pass or equivalent (General)
	42	National ITE Certificate (Nitec) or equivalent (eg Post Nitec Certificate, Specialist Nitec, Certificate in Office Skills, National Technical Certificate Grade 2, Certificate in Nursing, Advanced Builder Certificate)		42	National ITE Certificate (Nitec) or equivalent (eg Post Nitec Certificate, Certificate in Office Skills, National Technical Certificate Grade 2, Certificate in Nursing, Advanced Builder Certificate)
	43	Higher Nitec, including Certificate in Business Skills, Industrial Technician Certificate and other polytechnic certificates		43	Higher Nitec, including Certificate in Business Skills, Industrial Technician Certificate and other polytechnic certificates
	44	Master Nitec or equivalent (eg National Technical Certificate Grade 1)		44	Master Nitec or equivalent (eg National Technical Certificate Grade 1)
	45	WSQ Certificate or equivalent		45	WSQ Certificate or equivalent
	46	WSQ Higher Certificate or equivalent		46	WSQ Higher Certificate or equivalent
	47	WSQ Advanced Certificate or equivalent		47	WSQ Advanced Certificate or equivalent
	48	Other post-secondary (non-tertiary; General) qualifications, including International Baccalaureate / High School Diploma		48	Other post-secondary (non-tertiary; General) qualifications, including International Baccalaureate / High School Diploma
	49	Other post-secondary (non-tertiary; Vocational) certificates (eg SIM certificates) qualifications		49	Other post-secondary (non-tertiary; Vocational) certificates (eg SIM certificates) qualifications

Comparison Table: Educational Qualification Attained

SSEC 2015			SSEC 2010		
5		**POLYTECHNIC DIPLOMA**	**5**		**POLYTECHNIC DIPLOMA**
	51	Polytechnic diploma		51	Polytechnic diploma
	52	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/management/graduate diploma)		52	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/management/graduate diploma)
				53	Polytechnic post-diploma certificate
6		**PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA**	**6**		**PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA**
	61	ITE diploma		61	ITE diploma
	62	Diploma qualifications (eg NIE diploma, SIM diploma, LaSalle-SIA diploma, NAFA diploma)		62	Diploma qualifications (eg NIE diploma, SIM diploma, LaSalle-SIA diploma, NAFA diploma)
	63	Qualifications awarded by professional bodies		63	Qualifications awarded by professional bodies
	64	WSQ diploma		64	WSQ diploma
	65	WSQ specialist diploma		65	WSQ specialist diploma
	69	Other advanced diploma, post-diploma qualifications or equivalent n.e.c.		69	Other advanced diploma, post-diploma qualifications or equivalent
7		**BACHELOR'S OR EQUIVALENT**	**7**		**UNIVERSITY FIRST DEGREE**
	70	Bachelor's degree or equivalent		70	Bachelor degree
8		**POSTGRADUATE DIPLOMA / CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)**	**8**		**UNIVERSITY POSTGRADUATE DIPLOMA / DEGREE**
	81	Postgraduate diploma (including NIE postgraduate diploma)		81	Postgraduate diploma (including NIE postgraduate diploma)
	82	WSQ graduate certificate		82	WSQ graduate certificate
	83	WSQ graduate diploma		83	WSQ graduate diploma
				84	Master
9		**MASTER'S AND DOCTORATE OR EQUIVALENT**		85	Doctorate
	91	Master's or equivalent			
	92	Doctorate or equivalent			

Comparison Table: Educational Qualification Attained

SSEC 2015			SSEC 2010		
N		**MODULAR CERTIFICATION (NON-AWARD COURSES / NON-FULL QUALIFICATIONS)**	**9**		**OTHER EDUCATION (NON-AWARD COURSES / MISCELLANEOUS)**
	N1	At least 1 WSQ Statement of Attainment or ITE modular certificate at Post-Secondary Level (Non-Tertiary) or equivalent		91	At least 1 WSQ Statement of Attainment or ITE Module Certificate at Post-Secondary Level (Non-Tertiary) or equivalent
	N2	At least 1 WSQ Statement of Attainment or other modular certificate at Diploma Level or equivalent		92	At least 1 WSQ Statement of Attainment at Diploma Level or equivalent
	N3	At least 1 WSQ Statement of Attainment or other modular certificate at Degree Level or equivalent		93	At least 1 WSQ Statement of Attainment at Postgraduate Diploma / Degree Level or equivalent
	N4	At least 1 WSQ Statement of Attainment or other modular certificate at Postgraduate Level or equivalent		99	Other Statement of Attainment, Module Certificate or equivalent
	N9	Other Statement of Attainment, modular certificate or equivalent n.e.c.			
X		**NOT REPORTED**	**X**		**NOT REPORTED**
	XX	Not Reported		XX	Not Reported

Appendix IV:
Comparison between
SSEC 2015 and SSEC 2010
– Field of Study

Comparison Table: Field of Study

BROAD FIELD 00   GENERIC PROGRAMMES AND QUALIFICATIONS

SSEC 2015		SSEC 2010
000	**GENERIC PROGRAMMES AND QUALIFICATIONS**	
0001	Basic Programmes and Qualifications	
0002	Literacy and Numeracy	
0003	Personal Skills and Development	

BROAD FIELD 01   EDUCATION   **01   EDUCATION**

SSEC 2015		SSEC 2010	
011	**TEACHER TRAINING**	**011**	**TEACHER TRAINING**
0111	General Teacher Training	0111	General Teacher Training
0112	Early Childhood Education	0112	Early Childhood Education
0113	Special Education	0113	Special Education
0114	Physical Education	0114	Physical Education
0119	Teacher Training n.e.c.	0119	Teacher Training nec
012	**EDUCATION SCIENCE**	**012**	**EDUCATION SCIENCE**
0121	Education Management & Administration	0121	Education Management & Administration
0122	Curriculum Development	0122	Curriculum Development
0123	Educational Assessment	0123	Educational Assessment
0124	Educational Psychology	0124	Educational Psychology
0125	Educational Technology	0125	Educational Technology
0129	Education Science n.e.c.	0129	Education Science nec
013	**TRAINER TRAINING**	**013**	**TRAINER TRAINING**
0130	Adult & Continuing Education and Training	0130	Adult & Continuing Education and Training

BROAD FIELD 02 **FINE & APPLIED ARTS**   **02**   **FINE & APPLIED ARTS**

SSEC 2015	SSEC 2010
021 **FINE & PERFORMING ARTS**	**021** **FINE & PERFORMING ARTS**
0211 Fine Arts 0212 Music 0213 Drama (including theatre studies) 0214 Dance 0219 Fine & Performing Arts n.e.c.	0211 Fine Arts 0212 Music 0213 Drama (including theatre studies) 0214 Dance 0219 Fine & Performing Arts nec
022 **DESIGN & APPLIED ARTS**	**022** **DESIGN & APPLIED ARTS**
0221 Graphic & Multi-Media Design (eg visual communication, communication design) 0222 Fashion Design 0223 Interior Design 0224 Product/Industrial Design 0225 Games Design 0226 Animation and Visual Effects 0229 Design & Applied Arts n.e.c.	0221 Graphic & Multi-media Design 0222 Fashion Design 0223 Interior Design 0224 Product/Industrial Design 0229 Design & Applied Arts nec
023 **MEDIA PRODUCTION**	**023** **MEDIA PRODUCTION**
0231 Photography 0232 Videography 0233 Cinematography (including digital filmmaking) 0239 Media Production n.e.c.	0231 Photography 0232 Videography 0233 Cinematography (including digital filmmaking) 0239 Media Production nec
029 **FINE & APPLIED ARTS NOT ELSEWHERE CLASSIFIED**	**029** **FINE & APPLIED ARTS NEC**
0291 Publishing 0299 Fine & Applied Arts n.e.c.	0291 Publishing 0299 Fine & Applied Arts nec

Comparison Table: Field of Study

BROAD FIELD 03   **HUMANITIES & SOCIAL SCIENCES**   **03**   **HUMANITIES & SOCIAL SCIENCES**

SSEC 2015		SSEC 2010	
031	**LANGUAGE & CULTURAL STUDIES**	**031**	**LANGUAGE & CULTURAL STUDIES**
0311	English Studies	0311	English Studies
0312	Malay Studies	0312	Malay Studies
0313	Chinese Studies	0313	Chinese Studies
0314	Tamil Studies	0314	Tamil Studies
0319	Language & Cultural Studies n.e.c. (eg applied linguistics)	0319	Language & Cultural Studies nec (eg applied linguistics)
032	**BEHAVIOURAL SCIENCE**	**032**	**BEHAVIOURAL SCIENCE**
0321	Sociology & Anthropology	0321	Sociology & Anthropology
0322	Psychology	0322	Psychology
0329	Behavioural Science n.e.c. (eg criminology)	0329	Behavioural Science nec (eg criminology)
033	**ECONOMICS**	**033**	**ECONOMICS**
0330	Economics	0330	Economics
034	**SOCIAL AND COMMUNITY SERVICES**	**034**	**SOCIAL, SPORTS AND COMMUNITY SERVICES**
0341	Social Work	0341	Social Work
0342	Student Care (eg supervised care for children before/after school, student counselling)	0342	Student/Youth Care (eg after-school care, student counselling)
0343	Youth Care (eg engaging at-risk youths, mentoring youths)	0343	Counselling
0344	Counselling	0344	Sports and Recreation (including fitness training and sports coaching)

Comparison Table: Field of Study

SSEC 2015		SSEC 2010	
039	**HUMANITIES & SOCIAL SCIENCES NOT ELSEWHERE CLASSIFIED**	**039**	**HUMANITIES & SOCIAL SCIENCES NEC**
0391	Religious Studies	0391	Religious Studies
0392	Philosophy	0392	Philosophy
0393	Geography (including cartography)	0393	Geography (including cartography)
0394	Political Science	0394	Political Science
0395	History	0395	History
0399	Humanities & Social Sciences n.e.c. (including regional studies, international relations, demography, labour studies)	0399	Humanities & Social Sciences nec (including regional studies, international relations, demography, labour studies)

BROAD FIELD 04   MASS COMMUNICATION & INFORMATION SCIENCE   **04   MASS COMMUNICATION & INFORMATION SCIENCE**

SSEC 2015		SSEC 2010	
041	**MASS COMMUNICATION**	**041**	**MASS COMMUNICATION**
0411	Mass Communication (including radio & TV broadcasting)	0411	Mass Communication (including radio & TV broadcasting)
0412	Public Relations	0412	Public Relations
0413	Journalism	0413	Journalism
042	**INFORMATION SCIENCE**	**042**	**INFORMATION SCIENCE**
0421	Information Science (including library science)	0421	Information Science (including library science)
0422	Curatorial Studies (including archival studies, museum studies)	0422	Curatorial Studies (including archival studies, museum studies)

Comparison Table: Field of Study

BROAD FIELD 05   **BUSINESS & ADMINISTRATION**   **05**   **BUSINESS & ADMINISTRATION**

SSEC 2015	SSEC 2010
051 **ADMINISTRATION & MANAGEMENT**	**051** **ADMINISTRATION & MANAGEMENT**
0511 Business Management 0512 Human Resource Management 0513 Industrial Management 0514 Operations/Logistics Management 0515 Public and Institution Management 0516 Hospitality and Tourism Management 0517 Arts & Events Management 0519 Administration & Management n.e.c.	0511 Business Management 0512 Human Resource Management 0513 Industrial Management 0514 Operations/Logistics Management 0515 Public and Institution Management 0516 Hospitality and Tourism Management 0517 Arts & Events Management 0519 Administration & Management nec
052 **ACCOUNTANCY**	**052** **ACCOUNTANCY**
0521 Accountancy 0522 Auditing 0523 Bookkeeping 0524 Tax accounting	0521 Accountancy 0522 Auditing 0523 Bookkeeping 0524 Tax accounting
053 **BANKING, INSURANCE & FINANCIAL SERVICES**	**053** **BANKING, INSURANCE & FINANCIAL SERVICES**

0531 Banking & Financial Investment
0532 Insurance
0533 Actuarial Science
0539 Banking, Insurance & Financial Services n.e.c.
      (including computational finance)
	0531 Banking & Financial Investment
	0532 Insurance
	0533 Actuarial Science
	0539 Banking, Insurance & Financial Services nec
	      (including computational finance)

Comparison Table: Field of Study

SSEC 2015		SSEC 2010	
054	**SALES & MARKETING**	**054**	**SALES & MARKETING**
0541	Marketing	0541	Marketing
0542	Advertising	0542	Advertising
0543	Retailing & Wholesaling	0543	Retailing & Wholesaling
0544	Merchandising	0544	Merchandising
0549	Sales & Marketing n.e.c.	0549	Sales & Marketing nec
055	**MANAGEMENT SUPPORT SERVICES**	**055**	**MANAGEMENT SUPPORT SERVICES**
0551	Secretarial/Office Skills	0551	Secretarial/Office Skills
0552	Keyboarding and Shorthand/Stenography	0552	Keyboarding and Shorthand/Stenography
0559	Management Support Services n.e.c.	0559	Management Support Services nec
059	**BUSINESS & ADMINISTRATION NOT ELSEWHERE CLASSIFIED**	**059**	**BUSINESS & ADMINISTRATION NEC**
0591	E-commerce Management	0591	E-commerce Management
0599	Business & Administration n.e.c. (including entrepreneurship)	0599	Business & Administration nec (including entrepreneurship)

BROAD FIELD 06   **LAW**   **06**   **LAW**

SSEC 2015		SSEC 2010	
060	**LAW**	**060**	**LAW**
0601	Law	0601	Law
0602	Legal Studies	0602	Legal Studies

BROAD FIELD 07   **NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES**   **07**   **NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES**

SSEC 2015		SSEC 2010	
071	**BIOLOGICAL SCIENCES & TECHNOLOGIES**	**071**	**BIOLOGICAL SCIENCES & TECHNOLOGIES**
0711	Biology (including botany, zoology)	0711	Biology (including botany, zoology)
0712	Physiology	0712	Physiology
0713	Biochemistry	0713	Biochemistry
0714	Microbiology	0714	Microbiology
0715	Biotechnology	0715	Biotechnology
0716	Food Science & Technology	0716	Food Science & Technology
0717	Environmental Science	0719	Biological Sciences & Technologies nec (including environmental science, molecular biology, cell & molecular biology, computational biology)
0719	Biological Sciences & Technologies n.e.c. (including molecular biology, cell & molecular biology, computational biology)		
072	**PHYSICAL SCIENCES & TECHNOLOGIES**	**072**	**PHYSICAL SCIENCES & TECHNOLOGIES**
0721	Chemistry (including applied chemistry)	0721	Chemistry (including applied chemistry)
0722	Physics (including applied physics)	0722	Physics (including applied physics)
0723	Materials Science	0723	Materials Science
0729	Physical Sciences & Technologies n.e.c. (including meteorology, astronomy, geology, oceanography, soil & water science, computational chemistry, computational physics)	0729	Physical Sciences & Technologies nec (including meteorology, astronomy, geology, oceanography, soil & water science, computational chemistry, computational physics)

Comparison Table: Field of Study

SSEC 2015		SSEC 2010	
073	**AGRICULTURE & FISHERY**	**073**	**AGRICULTURE & FISHERY**
0731	Agricultural Science (including agrobiology)	0731	Agricultural Science (including agrobiology)
0732	Fishery	0732	Fishery
0733	Horticulture	0733	Horticulture
0734	Forestry	0734	Forestry
074	**VETERINARY SCIENCES**		
0741	Veterinary Medicine		
0742	Veterinary Support Services		
075	**MATHEMATICS & STATISTICS**	**074**	**MATHEMATICS & STATISTICS**
0751	Mathematics (including applied mathematics)	0741	Mathematics (including applied mathematics)
0752	Statistics	0742	Statistics
0753	Operations Research	0743	Operations Research
0754	Econometrics	0744	Econometrics
0759	Mathematics & Statistics n.e.c. (including computational mathematics)	0749	Mathematics & Statistics nec (including computational mathematics)
079	**NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES NOT ELSEWHERE CLASSIFIED**	**079**	**NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES NEC**
0790	Natural, Physical, Chemical & Mathematical Sciences n.e.c.	0790	Natural, Physical, Chemical & Mathematical Sciences nec

Comparison Table: Field of Study

BROAD FIELD 08   **HEALTH SCIENCES**   **08**   **HEALTH SCIENCES**

SSEC 2015		SSEC 2010	
081	**GENERAL MEDICAL SCIENCES**	**081**	**GENERAL MEDICAL SCIENCES**
0811	General Medicine (including internal/occupational/public health/family & community medicine)	0811	General Medicine (including internal/occupational/public health/family & community medicine)
0812	General Surgery	0812	General Surgery
082	**SPECIALISED MEDICAL SCIENCES**	**082**	**SPECIALISED MEDICAL SCIENCES**
0821	Obstetrics & Gynaecology	0821	Obstetrics & Gynaecology
0822	Paediatrics	0822	Paediatrics
0823	Anaesthesiology	0823	Anaesthesiology
0824	Radiology	0824	Radiology
0825	Psychiatry	0825	Psychiatry
0826	Orthopaedics	0826	Orthopaedics
0827	Ophthalmology	0827	Ophthalmology
0828	Cardiology	0828	Cardiology
0829	Specialised Medical Sciences n.e.c.	0829	Specialised Medical Sciences nec
083	**DENTISTRY**	**083**	**DENTISTRY**
0831	General Dentistry	0831	General Dentistry
0832	Endodontics	0832	Endodontics
0833	Oral & Maxillo-facial Surgery	0833	Oral & Maxillo-facial Surgery
0834	Oral Pathology & Oral Medicine	0834	Oral Pathology & Oral Medicine
0835	Orthodontics	0835	Orthodontics
0836	Paediatrics Dentistry	0836	Paediatrics Dentistry
0837	Periodontics	0837	Periodontics
0838	Prosthodontics	0838	Prosthodontics
0839	Dental Sciences n.e.c.	0839	Dental Sciences nec

Comparison Table: Field of Study

SSEC 2015			SSEC 2010		
			084		**VETERINARY SCIENCES**
				0841	Veterinary Medicine
				0842	Veterinary Support Services
084		**NURSING & HEALTH CARE**	**085**		**NURSING & HEALTH CARE**
	0841	Nursing		0851	Nursing
	0842	Health care		0852	Health care
085		**PHARMACY**	**086**		**PHARMACY**
	0850	Pharmacy		0860	Pharmacy
086		**COMPLEMENTARY THERAPIES**	**087**		**COMPLEMENTARY THERAPIES**
	0860	Complementary Therapies (eg Traditional Chinese Medicine, acupuncture and naturopathy)		0870	Complementary Therapies (eg Traditional Chinese Medicine, Acupuncture and Naturopathy)
089		**HEALTH SCIENCES NOT ELSEWHERE CLASSIFIED**	**089**		**HEALTH SCIENCES NEC**
	0891	Physiotherapy		0891	Physiotherapy
	0892	Occupational Therapy		0892	Occupational Therapy
	0893	Radiography		0893	Radiography
	0894	Nutrition and Dietetics		0894	Nutrition and Dietetics
	0895	Public Health		0895	Public Health
	0896	Optometry		0896	Optometry
	0897	Biomedical Science		0897	Biomedical Science
	0898	Medical Laboratory Technology		0898	Medical Laboratory Technology
	0899	Health Sciences n.e.c. (including cardiac technology)		0899	Health Sciences nec (including cardiac technology)

Comparison Table: Field of Study

BROAD FIELD 09   **INFORMATION TECHNOLOGY**   **09**   **INFORMATION TECHNOLOGY**

SSEC 2015		SSEC 2010	
091	**INFORMATION TECHNOLOGY**	**091**	**INFORMATION TECHNOLOGY**
0911	Computer Science (including programming, networking)	0911	Computer Science (including programming, networking)
0912	Information Systems (including MIS, system design)	0912	Information Systems (including MIS, system design)
0913	Software Engineering	0913	Software Engineering
0914	Business Information Technology (including e-commerce technology, business information systems)	0914	Business Information Technology (including e-commerce technology, business information systems)
0915	Multi-Media Technology (eg Interactive Digital Media (IDM), games development)	0915	Multi-Media Technology (e.g. Interactive Digital Media)
0916	Internet Technology	0916	Internet Technology
0917	Infocomm Security Management (including network security)	0917	Infocomm Security Management (including network security)
0919	Information Technology n.e.c.	0919	Information Technology nec
092	**COMPUTER OPERATIONS/TECHNICAL SUPPORT**	**092**	**COMPUTER OPERATIONS/TECHNICAL SUPPORT**
0920	Computer Operations/Technical Support	0920	Computer Operations/Technical Support

BROAD FIELD 10   **ARCHITECTURE, BUILDING & REAL ESTATE**   **10**   **ARCHITECTURE & BUILDING**

SSEC 2015		SSEC 2010	
101	**ARCHITECTURE**	**101**	**ARCHITECTURE**
1011	Architecture	1011	Architecture
1012	Landscape Architecture	1012	Landscape Architecture
1013	Architectural Technology	1013	Architectural Technology
102	**TOWN PLANNING**	**102**	**TOWN PLANNING**
1020	Town/Urban Planning	1020	Town/Urban Planning
103	**SURVEYING**	**103**	**SURVEYING**
1031	Land Surveying	1031	Land Surveying
1032	Quantity Surveying	1032	Quantity Surveying
1033	Building Surveying & Inspection	1033	Building Surveying & Inspection
104	**BUILDING SCIENCE & MANAGEMENT**	**104**	**BUILDING SCIENCE & MANAGEMENT**
1041	Building Science & Technology	1041	Building Science & Technology
1042	Building Construction Management	1042	Building Construction Management
1043	Building/Estate/Property Management	1043	Building/Estate/Property Management
1049	Building Science & Management n.e.c. (including contract management)	1049	Building Science & Management nec (including contract management)
105	**BUILDING TRADES**	**105**	**BUILDING TRADES**
1050	Building Trades	1050	Building Trades
109	**ARCHITECTURE, BUILDING AND REAL ESTATE NOT ELSEWHERE CLASSIFIED**	**109**	**ARCHITECTURE & BUILDING NEC**
1091	Architectural Drafting	1091	Architectural Drafting
1092	Real Estate (including valuation)	1092	Real Estate (including valuation)
1099	Architecture & Building n.e.c.	1099	Architecture & Building nec

Comparison Table: Field of Study

BROAD FIELD 11   **ENGINEERING SCIENCES**   **11**   **ENGINEERING SCIENCES**

SSEC 2015	SSEC 2010
111 **CHEMICAL ENGINEERING**	**111** **CHEMICAL ENGINEERING**
1111 Chemical Engineering (including chemical process engineering) 1112 Polymer Engineering & Technology 1113 Industrial Chemical Technology 1119 Chemical Engineering n.e.c.	1111 Chemical Engineering (including chemical process engineering) 1112 Polymer Engineering & Technology 1113 Industrial Chemical Technology 1119 Chemical Engineering nec
112 **CIVIL ENGINEERING**	**112** **CIVIL ENGINEERING**
1121 Civil Engineering 1122 Structural Engineering 1123 Geotechnical Engineering 1124 Hydraulics Engineering 1125 Transportation Engineering 1126 Environmental Engineering (including public health, water resources engineering) 1129 Civil Engineering n.e.c. (including construction engineering, construction technology & materials)	1121 Civil Engineering 1122 Structural Engineering 1123 Geotechnical Engineering 1124 Hydraulics Engineering 1125 Transportation Engineering 1126 Environmental Engineering (including public health, water resources engineering) 1129 Civil Engineering nec (including construction engineering, construction technology & materials)
113 **ELECTRICAL & ELECTRONICS ENGINEERING**	**113** **ELECTRICAL & ELECTRONICS ENGINEERING**
1131 Electronics Engineering 1132 Electrical Engineering (including power engineering) 1133 Communications Engineering (including wireless technology) 1134 Microelectronics 1139 Electrical & Electronics Engineering n.e.c.	1131 Electronics Engineering 1132 Electrical Engineering (including power engineering) 1133 Communications Engineering (including Wireless Technology) 1134 Microelectronics 1139 Electrical & Electronics Engineering nec
114 **COMPUTER ENGINEERING**	**114** **COMPUTER ENGINEERING**
1140 Computer Engineering	1140 Computer Engineering

SSEC 2015		SSEC 2010	
115	**MECHANICAL ENGINEERING**	**115**	**MECHANICAL ENGINEERING**
1151	Mechanical Engineering	1151	Mechanical Engineering
1152	Aeronautical Engineering (including aerospace electronics)	1152	Aeronautical Engineering (including Aerospace Electronics)
1153	Automotive Engineering	1153	Automotive Engineering
1154	Thermal Engineering	1154	Thermal Engineering
1155	Mechatronics	1155	Mechatronics
1159	Mechanical Engineering n.e.c.	1159	Mechanical Engineering nec
116	**MARINE ENGINEERING**	**116**	**MARINE ENGINEERING**
1161	Marine Engineering	1161	Marine Engineering
1162	Shipbuilding Engineering	1162	Shipbuilding Engineering
1163	Naval Architecture	1163	Naval Architecture
1169	Marine Engineering n.e.c.	1169	Marine Engineering nec
117	**MANUFACTURING & RELATED ENGINEERING**	**117**	**MANUFACTURING & RELATED ENGINEERING**
1171	Manufacturing/Production Engineering	1171	Manufacturing/Production Engineering
1172	Industrial Engineering	1172	Industrial Engineering
1173	Materials Engineering	1173	Materials Engineering
1174	Precision Engineering	1174	Precision Engineering
1175	Quality Assurance Engineering	1175	Quality Assurance Engineering
1179	Manufacturing & Related Engineering n.e.c.	1179	Manufacturing & Related Engineering nec
119	**ENGINEERING SCIENCES NOT ELSEWHERE CLASSIFIED**	**119**	**ENGINEERING SCIENCES NEC**
1191	Metallurgical Engineering	1191	Metallurgical Engineering
1192	Building Services Engineering	1192	Building Services Engineering
1193	Biomedical Engineering	1193	Biomedical Engineering
1199	Engineering Sciences n.e.c.	1199	Engineering Sciences nec

BROAD FIELD 12 **ENGINEERING, MANUFACTURING & RELATED TRADES**   **12**   **ENGINEERING, MANUFACTURING & RELATED TRADES**

SSEC 2015		SSEC 2010	
121	**ENGINEERING TRADES**	**121**	**ENGINEERING TRADES**
1211	Electrical/Electronics Installation & Servicing (eg air-conditioning & refrigeration)	1211	Electrical/Electronics Installation & Servicing (eg air-conditioning & refrigeration)
1212	Mechanical Installation & Servicing	1212	Mechanical Installation & Servicing
1213	Precision Tool Engineering & Design	1213	Precision Tool Engineering & Design
1214	Motor Vehicle Mechanics	1214	Motor Vehicle Mechanics
1215	Aircraft Mechanics	1215	Aircraft Mechanics
1216	Marine Engineering Mechanics	1216	Marine Engineering Mechanics
1219	Engineering Trades n.e.c. (eg pipe & steel fabrication, welding, diesel engine mechanics)	1219	Engineering Trades nec (eg pipe & steel fabrication, welding, diesel engine mechanics)
122	**MANUFACTURING TRADES**	**122**	**MANUFACTURING TRADES**
1221	Manufacture of Electronic Products & Components	1221	Manufacture of Electronic Products & Components
1222	Printing Crafts	1222	Printing Crafts
1223	Furniture Production/Carpentry	1223	Furniture Production/Carpentry
1224	Footwear/Textile/Clothing Production	1224	Footwear/Textile/Clothing Production
1229	Manufacturing Trades n.e.c.	1229	Manufacturing Trades nec
129	**ENGINEERING, MANUFACTURING & RELATED TRADES NOT ELSEWHERE CLASSIFIED**	**129**	**ENGINEERING, MANUFACTURING & RELATED TRADES NEC**
1291	Civil & Structural Drafting	1291	Civil & Structural Drafting
1292	Electrical Drafting	1292	Electrical Drafting
1293	Mechanical Drafting	1293	Mechanical Drafting
1299	Engineering, Manufacturing & Related Trades n.e.c.	1299	Engineering, Manufacturing & Related Trades nec

BROAD FIELD 13 **SERVICES**   **13**   **SERVICES**

SSEC 2015	SSEC 2010
131 **PERSONAL SERVICES**	**131** **PERSONAL SERVICES**
1311 Hairdressing 1312 Beauty Services 1313 Fashion Garment/Garment Patternmaking 1314 Domestic Science 1319 Personal Services n.e.c.	1311 Hairdressing 1312 Beauty Services 1313 Fashion Garment/Garment Patternmaking 1314 Domestic Science 1319 Personal Services nec
132 **FOOD SERVICES**	**132** **FOOD SERVICES**
1321 Culinary Skills/Arts (including food preparation) 1322 Pastry Making & Baking Skills 1323 Food & Beverage Management/Services 1329 Food Services n.e.c.	1321 Food Preparation/Culinary Skills 1322 Food & Beverage Management/Services 1329 Food Services nec
133 **HOSPITALITY SERVICES**	**133** **HOSPITALITY SERVICES**
1331 Front Office Operations 1332 Accommodation Services 1333 Housekeeping 1334 Travel/Tourism Services 1339 Hospitality Services n.e.c.	1331 Front Office Operations 1332 Accommodation Services 1333 Housekeeping 1334 Travel/Tourism Services 1339 Hospitality Services nec

Comparison Table: Field of Study

SSEC 2015		SSEC 2010	
134	**TRANSPORT SERVICES**	**134**	**TRANSPORT SERVICES**
1341	Maritime Studies (including nautical studies, maritime transportation)	1341	Maritime Studies (including nautical studies, maritime transportation)
1342	Aircraft Operation	1342	Aircraft Operation
1343	Air Traffic Control	1343	Air Traffic Control
1349	Transport Services n.e.c.	1349	Transport Services nec
135	**SECURITY SERVICES**	**135**	**SECURITY SERVICES**
1351	Police Studies & Security Management	1351	Police Studies & Security Management
1352	Civil Defence	1352	Civil Defence
1353	Fire Fighting	1353	Fire Fighting
1354	Hotel Security	1354	Hotel Security
1355	Occupational Safety Management (including fire & safety management)	1355	Occupational Safety Management (including fire & safety management)
1359	Security Services n.e.c.	1359	Security Services nec
136	**SPORTS AND RECREATION SERVICES**		
1361	Sports and Recreation Studies		
1362	Fitness Training and Sports Coaching		
1369	Sports and Recreation Services n.e.c. (eg Sports Management)		

BROAD FIELD 99   **OTHER FIELDS**   **99**   **OTHER FIELDS**

SSEC 2015		SSEC 2010	
999	**OTHER FIELDS NOT ELSEWHERE CLASSIFIED**	**999**	**OTHER FIELDS NEC**
9991	Translation & Interpretation	9991	Translation & Interpretation
9999	Other Fields n.e.c.	9999	Other Fields nec

BROAD FIELD XX   **NOT REPORTED**   **XX**   **NOT REPORTED**

SSEC 2015		SSEC 2010	
XXX	**NOT REPORTED**	**XXX**	**NOT REPORTED**
XXXX	Not Reported	XXXX	Not Reported

Alphabetical Index

A

1332	Accommodation management
1332	Accommodation operations
1332	Accommodation services
0521	Accountancy
0524	Accounting, tax
0533	Actuarial science
0860	Acupuncture
0542	Advertising
1152	Aeronautical engineering
1152	Aeronautical maintenance engineering
0731	Agricultural science
0731	Agrobiology
1343	Air traffic control
1211	Air-conditioning & refrigeration installation & servicing
1215	Aircraft mechanics
1342	Aircraft operation
1342	Aircrew training
1125	Airport engineering
0319	American studies
0823	Anaesthesiology
0790	Analytical science & laboratory management
0226	Animation and visual effects
0221	Animation design
0321	Anthropology
0222	Apparel design
0544	Apparel merchandising
0721	Applied chemistry
0330	Applied economics
0539	Applied finance
0716	Applied food science & nutrition
0319	Applied linguistics
0751	Applied mathematics
0722	Applied physics
0322	Applied psychology
0790	Applied science
0321	Applied sociology
0399	Archaeology
1091	Architectural drafting
1013	Architectural technology
1011	Architecture
0422	Archival studies
0517	Arts & events management
0729	Astronomy
0522	Auditing
1153	Automotive engineering
0519	Aviation management

B

0531	Banking & financial investment
0531	Banking & financial services
0001	Basic programmes and qualifications
1312	Beauty services
1222	Binding & finishing
0713	Biochemistry
1199	Bioengineering
0711	Biology
1193	Biomedical engineering
0897	Biomedical science
0715	Biotechnology
0523	Bookkeeping
0711	Botany
1050	Bricklaying
0411	Broadcasting operations
1050	Building carpentry
1042	Building construction management
1049	Building contract management
1050	Building maintenance & servicing
1043	Building management
1041	Building science
1041	Building science & technology
1192	Building services engineering
1033	Building surveying & inspection
1050	Building trades
0511	Business
0511	Business & commerce
0511	Business administration
0914	Business information systems
0914	Business information technology
0601	Business law
0511	Business management

C

0899	Cardiac technology
0828	Cardiology
0828	Cardiothoracic surgery
1223	Carpentry
1050	Carpentry, building
0393	Cartography
0719	Cell & molecular biology
1111	Chemical engineering

1111	Chemical process engineering
1113	Chemical technology & instrumentation
0721	Chemistry
0313	Chinese language & culture
0313	Chinese studies
0899	Chiropractic
0233	Cinematography
1129	Civil & construction engineering
1126	Civil & environmental engineering
1291	Civil & structural drafting
1122	Civil & structural engineering
1352	Civil defence
1121	Civil engineering
0829	Clinical embryology
0850	Clinical pharmacy
1224	Clothing production
0911	Communication & computer networking
0911	Communication & networking systems
0221	Communication design
0411	Communication studies
1341	Communication, maritime radio
1133	Communication, wireless
1133	Communications engineering
1133	Communications technology
0811	Community medicine
0519	Community services management
0601	Comparative law
0130	Competency-based training
0860	Complementary therapies
0719	Computational biology
0729	Computational chemistry
0539	Computational finance
0759	Computational mathematics
0729	Computational physics
0911	Computer & communication systems
0221	Computer animation & visualisation
1140	Computer engineering
0912	Computer information systems
1179	Computer integrated manufacturing
0239	Computer music & audio production
0911	Computer networking
0920	Computer operations support

0911	Computer programming
0911	Computer science
0911	Computer studies
0920	Computer technical support
0911	Computer technology
1129	Construction engineering
0519	Construction management
1129	Construction technology & materials
1131	Consumer electronics engineering
0896	Contact lens practice
0344	Counselling
0329	Criminology
1321	Culinary arts
1321	Culinary skills
0422	Curatorial studies

D

0214	Dance
0911	Data communication & networking
0399	Demography
0839	Dental assisting
0831	Dental sciences
0831	Dentistry
0836	Dentistry, paediatrics
0829	Dermatology
0893	Diagnostic radiography
0824	Diagnostic radiology
1219	Diesel engine mechanics
0233	Digital film-making
0221	Digital media design
1314	Domestic science
1091	Drafting, architectural
1291	Drafting, civil & structural
1292	Drafting, electrical
1293	Drafting, mechanical
0213	Drama

E

0719	Ecology
0591	E-commerce management
0914	E-commerce technology
0754	Econometrics
0330	Economics
0121	Education administration
0122	Education curriculum development
0121	Education management
0123	Educational assessment
0124	Educational psychology

F

1362 Fitness training
1323 Food & beverage management
1323 Food & beverage services
1199 Food engineering
1321 Food preparation
0716 Food science & technology
1224 Footwear production
0734 Forestry
1331 Front office operations
1223 Furniture production

G

0225 Games design
0915 Games development
1313 Garment patternmaking
0829 Gastroenterology
0831 General dentistry
0811 General medicine
0812 General surgery
0393 Geography
0729 Geology
1123 Geotechnical engineering
0829 Geriatric medicine
0221 Graphic design

H

0829 Haematology
1311 Hairdressing
1311 Hairstyling
0829 Hand surgery
0842 Health care (In-patient)
0842 Health care (Out-patient)
1132 High voltage engineering
0395 History
0733 Horticulture
0733 Horticulture & landscape management
0516 Hospitality management
1332 Hotel & resort management
1354 Hotel security
1333 Housekeeping
0512 Human resource management
1124 Hydraulics engineering

I

1172 Industrial & systems engineering
1113 Industrial chemical technology
0224 Industrial design
1172 Industrial engineering
0513 Industrial management
0917 Infocomm security management
0421 Information management
0421 Information science
0421 Information studies
0917 Information systems security
0532 Insurance
1041 Intelligent building technology
0915 Interactive digital media
0223 Interior architecture & design
0811 Internal medicine
0511 International business
0519 International construction management
0399 International relations
0916 Internet application development
0916 Internet computing
0916 Internet technology

J

0319 Japanese studies
1229 Jewellery making
0413 Journalism

K

0552 Keyboarding & shorthand
0421 Knowledge management

L

0399 Labour studies
1031 Land surveying
1012 Landscape architecture
0601 Law
0602 Legal studies
0421 Library science
0421 Library studies
0319 Linguistics
0002 Literacy and numeracy
0514 Logistics management

M

0312	Malay studies
0912	Management information systems
0519	Management of technology
1332	Management, accommodation
0790	Management, analytical science & laboratory
0517	Management, arts & events
0519	Management, aviation
1043	Management, building
1042	Management, building construction
1049	Management, building contract
0511	Management, business
0519	Management, community services
0519	Management, construction
0591	Management, e-commerce
0121	Management, education
1043	Management, estate
1323	Management, food & beverage
0733	Management, horticulture & landscape
0516	Management, hospitality
1332	Management, hotel & resort
0512	Management, human resource
0513	Management, industrial
0917	Management, infocomm security
0519	Management, international construction
0514	Management, logistics
0898	Management, medical laboratory technology
0917	Management, network security
1355	Management, occupational safety
0514	Management, operations
0512	Management, personnel
0121	Management, pre-school Education
1043	Management, property
1043	Management, property & maintenance
0515	Management, public & institution
0532	Management, risk & insurance

1355	Management, safety
0543	Management, salesmanship & sales
1351	Management, security
1341	Management, shipping
0511	Management, strategic
0519	Management, total quality
0516	Management, tourism
1349	Management, transportation
0330	Managerial economics
1221	Manufacture of electronic products/components
1171	Manufacturing engineering
1341	Marine crew training
1161	Marine engineering
1216	Marine engineering mechanics
1341	Maritime radio communication
1341	Maritime studies
1341	Maritime studies (Shipping management)
1341	Maritime transportation
0541	Marketing
0411	Mass communication
1173	Material science & engineering
1173	Materials engineering
0723	Materials science
0751	Mathematics
1293	Mechanical drafting
1151	Mechanical engineering
1212	Mechanical installation & servicing
1215	Mechanics, aircraft
1219	Mechanics, diesel engine
1216	Mechanics, marine engineering
1214	Mechanics, motor vehicle
1155	Mechatronics
0898	Medical laboratory technology & management
0811	Medicine
0811	Medicine, community
0811	Medicine, emergency
0811	Medicine, family
0811	Medicine, general
0829	Medicine, geriatric
0811	Medicine, internal
0829	Medicine, nuclear
0811	Medicine, occupational
0834	Medicine, oral
0822	Medicine, paediatric
0811	Medicine, public health
0829	Medicine, rehabilitation

0829   Medicine, renal
0829   Medicine, respiratory
0741   Medicine, veterinary
0544   Merchandising
1191   Metallurgical engineering
0729   Meteorology
0714   Microbiology
1134   Microelectronics
0731   Molecular agrobiology
0719   Molecular biology
0719   Molecular cell biology
1214   Motor vehicle mechanics
0915   Multi-media computing
0221   Multi-media design
0915   Multi-media software engineering
0915   Multi-media system engineering
0915   Multi-media technology
0422   Museum studies
0212   Music

N

0860   Naturopathy
1341   Nautical studies
1163   Naval architecture
0917   Network security management
0829   Neurology
0829   Neurosurgery
0829   Nuclear medicine
0841   Nursing
0841   Nursing (Critical care)
0841   Nursing (Emergency)
0841   Nursing (Gerontology)
0841   Nursing (Medical/Surgical)
0841   Nursing (Mental health)
0841   Nursing (Midwifery)
0841   Nursing (Neuroscience)
0841   Nursing (Oncology)
0841   Nursing (Operating theatre)
0841   Nursing (Orthopaedics)
0841   Nursing (Paediatrics)
0894   Nutrition and dietetics

O

0821   Obstetrics & gynaecology
0811   Occupational medicine
1355   Occupational safety management
0892   Occupational therapy
0729   Oceanography

0551   Office skills
1222   Offset printing
0829   Oncology
0514   Operations management
0753   Operations research
0827   Ophthalmology
0896   Optometry
0833   Oral & maxillo-facial surgery
0834   Oral pathology & oral medicine
0711   Ornithology
0835   Orthodontics
0826   Orthopaedics
0829   Otorhinolaryngology

P

0822   Paediatric medicine
0822   Paediatric surgery
0836   Paediatrics dentistry
1050   Painting (Building)
0602   Para-legal studies
1322   Pastry making & baking skills
0829   Pathology
0834   Pathology, oral
0837   Periodontics
0003   Personal skills and development
0512   Personnel management
0850   Pharmaceutical sciences
0829   Pharmacology
0850   Pharmacy
0392   Philosophy
0231   Photography
0722   Physics
0712   Physiology
0891   Physiotherapy
1219   Pipe & steel fabrication
1050   Plastering
0829   Plastic surgery
1112   Plastic technology
1050   Plumbing & pipe fitting
1351   Police studies & security management
0394   Political science
1112   Polymer engineering
1112   Polymer technology
1139   Power electronics & control systems
1132   Power engineering
1132   Power plant engineering
1174   Precision engineering
1213   Precision tool engineering & design

0112	Teacher training (Early childhood education)
0111	Teacher training (English language)
0111	Teacher training (General)
0111	Teacher training (Higher Education)
0111	Teacher training (Home economics education)
0111	Teacher training (Malay language)
0111	Teacher training (Mathematics)
0111	Teacher training (Music education)
0114	Teacher training (Physical education)
0111	Teacher training (Primary school teaching)
0111	Teacher training (Secondary school teaching)
0113	Teacher training (Special education)
0111	Teacher training (Tamil language)
0119	Teacher training (Vocational subjects)
0411	Television broadcasting
1224	Textile production
0229	Theatre production design
0213	Theatre studies
0824	Therapeutic radiology
1154	Thermal engineering
1050	Tiling
0519	Total quality management
0516	Tourism management
1334	Tourism services
1020	Town planning
0860	Traditional Chinese Medicine
9991	Translation & interpretation
1125	Transportation engineering
1349	Transportation systems & management
1334	Travel services

U

0899	Ultrasonography
1223	Upholstery
1020	Urban design
1020	Urban planning
0829	Urology

V

1092	Valuation (Real estate)
0741	Veterinary medicine
0742	Veterinary support services
0232	Videography
0221	Visual communication
0344	Vocational counselling

W

1134	Wafer fabrication
1126	Water resources engineering
1219	Welding
0543	Wholesaling
1133	Wireless communication
1133	Wireless technology
0130	Workplace competency-based training and assessment

Y

0343	Youth care

Z

0711	Zoology

SSEC 2015 Working Group

Singapore Department of Statistics

Mr Tang Hsiu Chin (Director, Policy Planning Division)

Mrs Sally Lim (Deputy Director, Policy Planning Division)

Mr Wong Chiong Hien (Senior Assistant Director, Income, Expenditure and Population Statistics Division)

Ms Yong Ai Ling Alice (Assistant Director, Policy Planning Division)

Mr Teo Zhiwei (Assistant Director, Income, Expenditure and Population Statistics Division)

Ms Yeo Soek Lee (Senior Manager, Income, Expenditure and Population Statistics Division)

Council for Private Education

Mr Renny Lee (Assistant Director, Policy Department)

Ministry of Education

Mr Chua Boon Wee (Assistant Director, Management Information & Research Branch)

Ministry of Manpower

Mr Tan Yih Bin (Deputy Director, Manpower Research & Statistics Department)

Institute of Technical Education

Mr Hoong Khak Tuck (Deputy Director, Academic Quality)

Singapore Workforce Development Agency

Ms Angelynn See Tow (Assistant Director, Strategic Planning Division)

Mr Jan Han (Senior Manager, Strategic Planning Division)

SINGAPORE DEPARTMENT OF STATISTICS
INFORMATION DISSEMINATION SERVICES

Statistics Singapore Website

The *Statistics Singapore Website* was launched by the Singapore Department of Statistics (DOS) in January 1995. Internet users can access the website by connecting to:

http://www.singstat.gov.sg

Key Singapore statistics are available via the following sections:
- Statistics
  which provides access to the latest statistical findings of DOS as well as statistics compiled by Research and Statistics Units (RSUs) in ministries and statutory boards.
- News
  which provides a listing of the news released by DOS and RSUs.
- Publications
  which presents the latest editions of DOS' publications, papers and articles.
- Browse by Themes
  which presents official statistics compiled by DOS and RSUs in the various ministries and statutory boards according to themes. Within each theme, relevant statistics and related press releases, publications and references are provided.

Statistical resources are available via:
- Publication and Papers
  which lists the latest editions of publications released by DOS according to statistical domains at http://www.singstat.gov.sg/publications/publications-and-papers. All softcopy DOS publications are available for free downloading. Statistical tables of DOS publications in Excel format are also available.
- Advance Release Calendar
  which provides a six months ahead advance release calendar of key statistical indicators.

The website also provides a convenient gateway to international statistical websites under the "Methodologies & Standards" section:
- Guide to International Statistics
  which provides hyperlinks to international databases and classifications, as well as websites of international bodies and other national statistical offices.
- IMF Dissemination Standards Bulletin Board
  which provides metadata about Singapore's key indicators in the real, fiscal, financial and external sectors, including dissemination practices and information about pre-release access of current indicators.

SingStat Express

SingStat Express is a personalised data delivery service which sends the latest press releases, notices of publication, newsletter, occasional and information papers to subscribers via email. SMS alert service is also available to local users. Subscription details are available from the *Statistics Singapore Website* (http://www.singstat.gov.sg/express).

Really Simple Syndication

Really Simple Syndication (RSS) is an easy way to stay updated on the latest statistical news released via the *Statistics Singapore Website*. The SingStat *RSS* feed delivers statistical news highlights and hyperlinks to the source documents whenever the updates are posted. More information is available at http://www.singstat.gov.sg/services/really-simple-syndication-(rss).

SingStat Mobile App

SingStat Mobile App provides users with ready access to the latest key Singapore official statistics through their mobile devices while on the go. Users may visualize data for the latest periods with some 200 charts of commonly used statistics from 25 data categories. The app is available for downloading in iOS and Android devices. More information is available at http://www.singstat.gov.sg/services/singstat-mobile-app

SingStat Table Builder

The *SingStat Table Builder* contains statistical data series on the Singapore economy and population for users to create customised data tables, plot graphs and charts and export them in different file formats. Explore data trends with this e-service at http://www.singstat.gov.sg/tablebuilder.

E-survey

The *E-survey* enables business organisations to complete and submit their survey forms through the internet. Using secured encryption protocols, the *E-survey* ensures that the information transmitted through the net is secured and protected. The system features online helps and validation checks to assist respondents in completing their survey forms. With the *E-survey*, respondents do away with the tedious paper work and manual tasks of mailing or faxing their survey returns to the Department.

Statistical Enquiries and Feedback

If you have any statistical enquiries or comment or suggestions on our statistical publications and electronic services, you are welcomed to:

E-mail us   at   **info@singstat.gov.sg**

Fax to us   at   **(65) 6332-7689**

Call us   at   **1800-3238118* (local callers)**

              (65) 6332-7738 (overseas callers)

* Calls from mobile telephone lines to 1800 local toll free number may be subject to mobile airtime charges as imposed by the relevant mobile service provider.