



Singapore Standard Educational Classification

2010

SINGAPORE STANDARD EDUCATIONAL CLASSIFICATION 2010

ISBN 978-981-08-5210-8

© **Department of Statistics, Ministry of Trade & Industry, Republic of Singapore**

All rights reserved. No part of this publication may be reproduced in any material form (including photocopying or storing it in any medium by electronic means and whether or not transiently or incidentally to some other use of this publication) without the prior written permission of the copyright owner except in accordance with the provisions of the Copyright Act (Cap. 63). Application for the copyright owner's written permission to reproduce any part of this publication should be addressed to:

Chief Statistician
Department of Statistics
Ministry of Trade & Industry
100 High Street #05-01
The Treasury
Singapore 179434
Republic of Singapore

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 relating 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 1997 (ISCED 97) prepared 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 updating.

The SSEC 2010 is the second version of the SSEC and supersedes the first version. It consists of three sub-classifications – classification of level of education attending, classification of educational qualification attained and classification of field of study. This publication includes the educational codes, scope and structure of the classification. Comparison tables of SSEC 2000 and SSEC 2010 for the three sub-classifications are also included to facilitate better understanding of the changes.

The review of the SSEC was undertaken by a working group comprising representatives from several agencies, including the Singapore Department of Statistics, Ministry of Education, Ministry of Manpower, Institute of Technical Education and Singapore Workforce Development Agency. Inputs from other ministries and statutory boards 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

February 2010

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

CONTENTS

	Page
Preface	iii
List of Abbreviations	vi
Introduction	1
Scope and Structure of the Classification	1
Comparison with SSEC 2000	6
Practical Considerations in the Design and Usage of SSEC 2010	9
Classification of Education	
Level of Education Attending	13
Educational Qualification Attained	17
Field of Study	23
Appendices	
Appendix I	37
Recent Developments in the Singapore Education Landscape	
Appendix II	41
Singapore Education System with Continuing Education System	
Appendix III	45
Comparison between SSEC 2010 and SSEC 2000 - Level of Education Attending	
Appendix IV	51
Comparison between SSEC 2010 and SSEC 2000 - Educational Qualification Attained	
Appendix V	57
Comparison between SSEC 2010 and SSEC 2000 - Field of Study	
Alphabetical Index	79
Working Group for Revision of SSEC 2010	95

List of Abbreviations

BEST	: Basic Education for Skills Training
ESS	: Employability Skills System
H2	: Higher 2
ITE	: Institute of Technical Education
ISC	: ITE Skills Certificate
LASALLE	: LASALLE College of the Arts
NAFA	: Nanyang Academy of Fine Arts
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 2010

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 revised and updated regularly, taking into account developments in the education system as well as initiatives in the workforce education and updating which tend to bring about new programmes and qualification/ certification systems.

2 The SSEC 2010 makes reference to and is consistent with the basic framework and principles of the International Standard Classification of Education 1997 (ISCED 97). It is developed to take into account changes in the Singapore education landscape while enhancing international comparability.

Scope and Structure of the Classification

3 The SSEC 2010 comprises of 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 aggregation levels and groups which use Singapore's present education system and the formal educational qualifications currently awarded in Singapore as the basis. 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 approximate equivalence to the current system and qualifications in Singapore can be used to facilitate the appropriate classification.

5 The SSEC is revised to maintain relevance with various developments in the area of education in Singapore. Apart from evolutions of the full-time education system and vocational certification system, development in recent years of the continuing education and training programmes, in terms of recognition and rigor compared to the mainstream formal education system, has also been taken into consideration when revising the SSEC. Appendix I briefly summarises the key developments in the Singapore education landscape. Appendix II provides a chart of the various programmes in Singapore's full-time education as well as continuing education and training systems.

Sub-classifications of SSEC 2010

Classification of Level of Education Attending

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

7 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

8 The six broad levels of education are broken down into more detailed categories by the grade of education at primary and secondary level, and by type of curriculum (general/vocational) at post-secondary level.

9 When classifying the detailed categories, considerations have been taken in terms of the educational content of the various educational levels. In practice, supplementary criteria for classifying educational level attending also include typical age of students attending the educational programme, duration of education, minimum entrance requirements and next typical educational level.

10 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 school, a student would typically progress from the fourth year to the fifth year to 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 would be classified as Post-Secondary (Non-Tertiary) level.

Classification of Educational Qualification Attained

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

12 The classification for level of educational qualification attained is a two-digit hierarchical structure. The levels of educational qualifications are categorised into nine broad groups:

Level of Education	Benchmark
No Qualification / 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
University First Degree	Awarded first degree by a university
University Postgraduate Qualification	Awarded postgraduate diploma or degree by a university or postgraduate educational institution

13 The nine broad groups contain more detailed distinction by type of qualification (general/vocational), where appropriate.

14 In defining the broad groups of educational qualifications, the certification used in Singapore's formal education system is used as a benchmark. This has been of particular importance when identifying equivalent qualifications awarded by continuing education and training system in SSEC 2010. For qualifications awarded by professional bodies, these must be the result of the fulfilment of the requirements of structured

educational programmes and passing of the appropriate standards. The levels of educational qualifications exclude skill certifications, certificates of courses attendance and honorary qualifications which are not the result of formal learning and examination by a formal educational institution or professional body.

15 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, similar considerations of formal educational content, as in the case for level of education attending, have to be done 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.

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.

17 The classification for field of study is a four-digit hierarchical structure comprising three levels, following the ISCED 97. The levels of this hierarchy are termed as broad fields (two-digit), narrow fields (three-digit) and detailed fields (four-digit). Broad fields constitute the highest level of aggregation in the field of study classification. Currently there are 14 broad fields. Moving down the hierarchy, there are 59 three-digit narrow fields and 238 four-digit detailed fields of study.

18 The 14 broad fields of study are listed as follows:

- 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
- 11 Engineering Sciences
- 12 Engineering, Manufacturing & Related Trades

- 13 Services
- 99 Other Fields

19 The following illustrates the formation of the hierarchy 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 or 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 combine 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 which most time is spent on. In practice, the number of modular credits may be used in place of time spent on a field of study.

Comparison with SSEC 2000

Classification of Level of Education Attending

22 By comparison, the number of the highest aggregation (one-digit) groups for the classification of level of education attending has been reduced from ten in SSEC 2000 to eight in SSEC 2010. This is mainly the result of re-classifying general and vocational educational programmes of similar educational level within the same one-digit group. The re-classification more clearly groups educational programmes of similar level together and distinguishes educational programmes at the more detailed two-digit categories where general and vocational educational programmes can be separately identified. The comparison is illustrated in the following table.

SSEC 2010		SSEC 2000	
0	Pre-Primary	0	Pre-Primary
1	Primary	1	Primary
2	Secondary: General & Vocational	2	Secondary: General
		3	Secondary Vocational
3	Post-Secondary (Non-Tertiary): General & Vocational	4	Upper Secondary: General
		5	Upper Secondary: Vocational
4	Polytechnic Diploma Course	6	Polytechnic Diploma Course
5	Other Courses Leading to Award of Professional Qualification and Other Diploma	7	Other Courses Leading to Award of Professional Qualification and Other Diploma
6	University First Degree	8	University First Degree
7	University Postgraduate Diploma/Degree	9	University Postgraduate Diploma/Degree

23 In SSEC 2010, the phrase “Upper Secondary” has been replaced with the term “Post-Secondary”. This is to further align with the terminology used in ISCED 97.

24 At the two-digit level, the number of educational level categories has been reduced from 36 in SSEC 2000 to 34 in SSEC 2010. This is the result of a more streamlined New ITE Certification System which more clearly groups and demarcates the level of training into three categories only. A detailed comparison of the level of education attending classification between 2010 and 2000 is presented in Appendix III.

Classification of Educational Qualification Attained

25 Due to the close relation between educational level attending and the educational qualification attained, the comparisons between SSEC 2010 and 2000 in the preceding section for the educational level attending classification also apply to the classification of educational qualification attained. Nonetheless, the number of one-digit groups remains unchanged while the number of two-digit categories under the educational qualification attained classification increased from 31 in SSEC 2000 to 44 in SSEC 2010¹. The following table compares the one-digit groups of SSEC 2010 and 2000:

SSEC 2010		SSEC 2000	
0	No Formal Qualification/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	Upper Secondary: General
		5	Upper Secondary: Vocational
5	Polytechnic Diploma Course	6	Polytechnic Diploma Course
6	Professional Qualification and Other Diploma	7	Professional Qualification and Other Diploma
7	University First Degree	8	University First Degree
8	University Postgraduate Diploma/Degree	9	University Postgraduate Diploma/Degree
9	Other Education (Non-Award Courses/Miscellaneous)		

26 Due to the recognition and rigor of the continuing education and training programmes under the Singapore Workforce Skills Qualifications (WSQ) system, the SSEC 2010 incorporates an additional group – “Other Education (Non-Award Courses/Degree)” – to cater to users’ needs to classify educational attainment within the WSQ system. In addition, full qualifications awarded based on the WSQ system have been classified, at the two-digit level, to the equivalent benchmarked educational qualifications of the formal education system.

¹ Refer to Appendix IV for the detailed two-digit SSEC 2010-2000 Comparison Table for Classification of Educational Qualification Attained.

Classification of Field of Study

27 In the SSEC 2010 field of study classification, the numbers of narrow fields and detailed fields have increased from 57 to 59 and 230 to 238, respectively, while the number of broad fields remains unchanged. The two new narrow fields consist of Trainer Training (013) and Complementary Therapies (087). The former is identified as a field of study which curriculum content is focused on continuing education and training, and which is appropriate to be distinguished from that of Teacher Training (011). Separately, the emergence of formal education in the field of complementary therapies such as Traditional Chinese Medicine (TCM) and acupuncture in the formal education system provides the basis to classify Complementary Therapies within a separate and unique narrow field. Two new detailed fields of study were also created in line with the newly created narrow fields for Trainer Training and Complementary Therapies.

28 The narrow field of Social Work (034) has been expanded in scope and called, "Social, Sports and Community Services", to classify more detailed fields of study in social and community services as well as sports and recreation. In addition, the field of Actuarial Science has been re-classified from Mathematics & Statistics (074) to the narrow field of Banking, Insurance and Financial Services (053) in response to the greater orientation of the curriculum content towards applications in the fields of study of insurance, finance and banking, observed locally and internationally.

29 The table below lists the fields of study which are assigned unique codes at the four-digit level in SSEC 2010.

Code	Description
0130	Adult & Continuing Education and Training
0342	Student/Youth Care
0343	Counselling
0344	Sports and Recreation
0522	Auditing
0542	Tax Accounting
0870	Complementary Therapies
0917	Infocomm Security Management

30 The number of detailed fields has increased mainly due to the splitting of existing detailed fields into more specific fields and addition of new fields. The additional detailed fields allow users to classify certain fields of study in greater granularity. For example, the detailed field of Accountancy (0521) has been further broken down into more specialised fields of Auditing (0522) and Tax Accounting

(0524). On the other hand, the growth in demand for knowledge and skills in the realm of information and technology security has also provided the basis to include a new detailed field for Infocomm Security Management (0917).

31 A table of comparison for the field of study classification between SSEC 2010 and 2000 is available in Appendix V.

Practical Considerations in the Design and Usage of SSEC 2010

32 The design of SSEC 2010 has remained largely similar to SSEC 2000. A major consideration in retaining the design of the SSEC is the requirements for classifying data collected in the Census of Population 2010 and the extent of details that could be obtained from households. 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. Similar experience would be encountered for households covered in sample household surveys like the Labour Force Survey.

Classification of Level of Education Attending

SSEC 2010	Description	SSEC 2000
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	19
2	SECONDARY: GENERAL & VOCATIONAL	
21	Secondary 1 (General)	21
22	Secondary 2 (General)	22
23	Secondary 3 (General)	23
24	Secondary 4 (General)	24
25	Secondary 5 (General)	25
26	ITE Skills Certificate (ISC)	new item
27	Other secondary (General) education or equivalent	29
29	Skilled certificate courses or equivalent (except ISC)	39
3	POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL	
31	Pre-University 1 / Junior College 1 (General)	41
32	Pre-University 2 / Junior College 2 (General)	42
33	Pre-University 3 (General)	43
34	National ITE Certificate (Nitec)	51, 53
35	Higher Nitec	52, 55
36	Master Nitec	54
37	Other post-secondary (non-tertiary; General) education or equivalent	49
39	Other post-secondary (non-tertiary; Vocational) education or equivalent (eg advanced certificate courses)	59
4	POLYTECHNIC DIPLOMA COURSE	
41	Polytechnic diploma	61
42	Polytechnic advanced diploma (including polytechnic advanced/post/ specialist/management/graduate diploma)	62

SSEC 2010	Description	SSEC 2000
5	OTHER COURSES LEADING TO AWARD OF PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA	
51	ITE diploma	new item
52	Other diploma (eg NIE diploma, SIM diploma, LASALLE-SIA diploma, NAFA diploma or equivalent)	71, 79 (part)
53	Qualifications awarded by professional bodies	new item
59	Other advanced diploma, post diploma qualifications or equivalent	79 (part)
6	UNIVERSITY FIRST DEGREE	
60	Bachelor degree (including NIE bachelor degree with diploma in education)	80
7	UNIVERSITY POSTGRADUATE DIPLOMA/DEGREE	
71	Postgraduate diploma (including NIE postgraduate diploma)	91
72	Master	92
73	Doctorate	93
X	Not Reported	
XX	Not reported	XX

Classification of
Educational Qualification Attained

SSEC 2010	Description	SSEC 2000
0	NO FORMAL QUALIFICATION / LOWER PRIMARY	
01	Never attended school	01
02	Primary education without PSLE / PSPE certification or their equivalent	02
03	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 ESS WPLN Statements of Attainment at Level 1 or 2	new item
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 ESS WPLN Statements of Attainment at Level 3 or 4	new item
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)	new item, 34
34	ITE Skills Certificate (ISC) or equivalent (eg Certificate of Competency, Certificate in Service Skills)	new item, 33, 39 (part)
35	At least 3 ESS WPLN Statements of Attainment at Level 5 and above	new item
39	Other certificates or qualifications of equivalent standard	39 (part)

SSEC 2010	Description	SSEC 2000
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, Certificate in Office Skills, National Technical Certificate Grade 2, National Certificate in Nursing, Advanced Builder Certificate)	new item, 51, 53
43	Higher Nitec, including Certificate in Business Skills, Industrial Technician Certificate and other polytechnic certificates	new item, 52, 55
44	Master Nitec or equivalent (eg National Technical Certificate Grade 1)	new item, 54
45	WSQ Certificate or equivalent	new item
46	WSQ Higher Certificate or equivalent	new item
47	WSQ Advanced Certificate or equivalent	new item
48	Other post-secondary (non-tertiary; General) qualifications, including International Baccalaureate / High School Diploma	49
49	Other post-secondary (non-tertiary; Vocational) certificates (eg SIM certificates) qualifications	59
5	POLYTECHNIC DIPLOMA	
51	Polytechnic diploma	61
52	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/management/graduate diploma)	62
53	Polytechnic post-diploma certificate	63
6	PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA	
61	ITE diploma	new item
62	Diploma qualifications (eg NIE diploma, SIM diploma, LaSalle-SIA diploma, NAFA diploma)	72, 79 (part)
63	Qualifications awarded by professional bodies	71
64	WSQ diploma	new item
65	WSQ specialist diploma	new item
69	Other advanced diploma, post-diploma qualifications or equivalent	79 (part)
7	UNIVERSITY FIRST DEGREE	
70	Bachelor degree	80
8	UNIVERSITY POSTGRADUATE DIPLOMA / DEGREE	
81	Postgraduate diploma (including NIE postgraduate diploma)	91
82	WSQ graduate certificate	new item
83	WSQ graduate diploma	new item
84	Master	92
85	Doctorate	93

SSEC 2010	Description	SSEC 2000
9	OTHER EDUCATION (NON-AWARD COURSES / MISCELLANEOUS)	
91	At least 1 WSQ Statement of Attainment or ITE Module Certificate at Post-Secondary Level (Non-Tertiary) or equivalent	new item
92	At least 1 WSQ Statement of Attainment at Diploma Level or equivalent	new item
93	At least 1 WSQ Statement of Attainment at Postgraduate Diploma / Degree Level or equivalent	new item
99	Other Statement of Attainment, Module Certificate or equivalent	new item
X	NOT REPORTED	
XX	Not reported	XX

Classification of Field of Study

SSEC 2010	Description	SSEC 2000
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 nec	0119 (part)
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 nec	0129
013	TRAINER TRAINING	
0130	Adult & Continuing Education and Training	new item, 0119 (part)
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 nec	0219
022	DESIGN & APPLIED ARTS	
0221	Graphic & Multi-media Design	0221
0222	Fashion Design	0222
0223	Interior Design	0223
0224	Product/Industrial Design	0224
0229	Design & Applied Arts nec	0229

SSEC 2010	Description	SSEC 2000
023	MEDIA PRODUCTION	
0231	Photography	0231
0232	Videography	0232
0233	Cinematography (including digital filmmaking)	0233
0239	Media Production nec	0239
029	FINE & APPLIED ARTS NEC	
0291	Publishing	0291
0299	Fine & Applied Arts nec	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 nec (eg applied linguistics)	0319
032	BEHAVIOURAL SCIENCE	
0321	Sociology & Anthropology	0321
0322	Psychology	0322
0329	Behavioural Science nec (eg criminology)	0329
033	ECONOMICS	
0330	Economics	0330
034	SOCIAL, SPORTS AND COMMUNITY SERVICES	
0341	Social Work	0340 (part)
0342	Student/Youth Care (eg after-school care, student counselling)	new item,
0343	Counselling	0340 (part)
0344	Sports and Recreation (including fitness training and sports coaching)	new item,
		0340 (part)
		new item

SSEC 2010	Description	SSEC 2000
039	HUMANITIES & SOCIAL SCIENCES NEC	
0391	Religious Studies	0391
0392	Philosophy	0392
0393	Geography (including cartography)	0393
0394	Political Science	0394
0395	History	0395
0399	Humanities & Social Sciences nec (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 nec	0519
052	ACCOUNTANCY	
0521	Accountancy	0521 (part)
0522	Auditing	0521 (part)
0523	Bookkeeping	0522
0524	Tax accounting	new item

SSEC 2010	Description	SSEC 2000
053	BANKING, INSURANCE & FINANCIAL SERVICES	
0531	Banking & Financial Investment	0531
0532	Insurance	0532
0533	Actuarial Science	0743
0539	Banking, Insurance & Financial Services nec (including computational finance)	0539
054	SALES & MARKETING	
0541	Marketing	0541
0542	Advertising	0542
0543	Retailing & Wholesaling	0543
0544	Merchandising	0544
0549	Sales & Marketing nec	0549
055	MANAGEMENT SUPPORT SERVICES	
0551	Secretarial/Office Skills	0551
0552	Keyboarding and Shorthand/Stenography	0552
0559	Management Support Services nec	0559
059	BUSINESS & ADMINISTRATION NEC	
0591	E-commerce Management	0591
0599	Business & Administration nec (including entrepreneurship)	0599
06	LAW	
060	LAW	
0601	Law	0611
0602	Legal Studies	0612
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
0719	Biological Sciences & Technologies nec (including environmental science, molecular biology, cell & molecular biology, computational biology)	0719

SSEC 2010	Description	SSEC 2000
072	PHYSICAL SCIENCES & TECHNOLOGIES	
0721	Chemistry (including applied chemistry)	0721
0722	Physics (including applied physics)	0722
0723	Materials Science	0723
0729	Physical Sciences & Technologies nec (including meteorology, astronomy, geology, oceanography, soil & water science, computational chemistry, computational physics)	0729
073	AGRICULTURE & FISHERY	
0731	Agricultural Science (including agrobiolgy)	0731
0732	Fishery	0732
0733	Horticulture	0733
0734	Forestry	0734
074	MATHEMATICS & STATISTICS	
0741	Mathematics (including applied mathematics)	0741
0742	Statistics	0742
0743	Operations Research	0744
0744	Econometrics	0745
0749	Mathematics & Statistics nec (including computational mathematics)	0749
079	NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES NEC	
0790	Natural, Physical, Chemical & Mathematical Sciences nec	0799
08	HEALTH SCIENCES	
081	GENERAL MEDICAL SCIENCES	
0811	General Medicine (including internal/occupational/public health/family & community medicine)	0811
0812	General Surgery	0812

SSEC 2010	Description	SSEC 2000
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 nec	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 nec	0839
084	VETERINARY SCIENCES	
0841	Veterinary Medicine	0841
0842	Veterinary Support Services	0842
085	NURSING & HEALTH CARE	
0851	Nursing	0851
0852	Health care	0852
086	PHARMACY	
0860	Pharmacy	0860
087	COMPLEMENTARY THERAPIES	
0870	Complementary Therapies (eg Traditional Chinese Medicine, Acupuncture and Naturopathy)	new item

SSEC 2010	Description	SSEC 2000
089	HEALTH SCIENCES NEC	
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 nec (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)	0915
0916	Internet Technology	0916
0917	Infocomm Security Management (including network security)	new item
0919	Information Technology nec	0919
092	COMPUTER OPERATIONS/TECHNICAL SUPPORT	
0920	Computer Operations/Technical Support	0920
10	ARCHITECTURE & BUILDING	
101	ARCHITECTURE	
1011	Architecture	1011
1012	Landscape Architecture	1012
1013	Architectural Technology	1013
102	TOWN PLANNING	
1020	Town/Urban Planning	1020
103	SURVEYING	
1031	Land Surveying	1031
1032	Quantity Surveying	1032
1033	Building Surveying & Inspection	1033

SSEC 2010	Description	SSEC 2000
104	BUILDING SCIENCE & MANAGEMENT	
1041	Building Science & Technology	1041
1042	Building Construction Management	1042
1043	Building/Estate/Property Management	1043
1049	Building Science & Management nec (including contract management)	1049
105	BUILDING TRADES	
1050	Building Trades	1050
109	ARCHITECTURE & BUILDING NEC	
1091	Architectural Drafting	1091
1092	Real Estate (including valuation)	1092
1099	Architecture & Building nec	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 nec	1119
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 nec (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 nec	1139

SSEC 2010	Description	SSEC 2000
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 nec	1159
116	MARINE ENGINEERING	
1161	Marine Engineering	1161
1162	Shipbuilding Engineering	1162
1163	Naval Architecture	1163
1169	Marine Engineering nec	1169
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 nec	1179
119	ENGINEERING SCIENCES NEC	
1191	Metallurgical Engineering	1191
1192	Building Services Engineering	1192
1193	Biomedical Engineering	1193
1199	Engineering Sciences nec	1199

SSEC 2010	Description	SSEC 2000
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 nec (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 nec	1229
129	ENGINEERING, MANUFACTURING & RELATED TRADES NEC	
1291	Civil & Structural Drafting	1291
1292	Electrical Drafting	1292
1293	Mechanical Drafting	1293
1299	Engineering, Manufacturing & Related Trades nec	1299
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 nec	1319
132	FOOD SERVICES	
1321	Food Preparation/Culinary Skills	1321
1322	Food & Beverage Management/Services	1322
1329	Food Services nec	1329

SSEC 2010	Description	SSEC 2000
133	HOSPITALITY SERVICES	
1331	Front Office Operations	1331
1332	Accommodation Services	1332
1333	Housekeeping	1333
1334	Travel/Tourism Services	1334
1339	Hospitality Services nec	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 nec	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 nec	1359
99	OTHER FIELDS	
999	OTHER FIELDS NEC	
9991	Translation & Interpretation	9991
9999	Other Fields nec	9999
XX	NOT REPORTED	
XXX	NOT REPORTED	
XXXX	Not Reported	XXXX

Appendix I:
Recent Developments in the Singapore
Education Landscape

Recent Developments in the Singapore Education Landscape

Integrated Programme

The Integrated Programme was first introduced in 2004 as a programme which provides an additional education choice for students who are clearly university-bound, and could do well in a less structured environment. The programme spans secondary and junior college education without intermediate national examinations at the end of secondary school. Hence, time previously used to prepare students for the GCE 'O' Level Examination would be used to engage them in broader learning experience. Selected schools could also offer alternative curricula and qualifications (eg International Baccalaureate and High School Diploma).

New Institute of Technical Education Certification System

The New Institute of Technical Education (ITE) Certification System was introduced in July 2002 to enable ITE to better respond to emerging industry manpower needs requiring certifications in the new knowledge-based economy, especially the service sector. The new certification system is applicable to post-secondary technical educational programmes as well as ITE skills training courses. It is more generic compared to its predecessor and defines ITE certifications by level of training while providing a more visible progression path for students and adult learners to maximise learning within the ITE certification framework.

Customised Vocational Programme

Schools that provide customised and vocational curriculum have been established since 2007. These schools provide enhanced vocational programmes that cater to a small group of students who have completed their primary education. Graduates of these schools can progress to further education at mainstream vocational/technical institutes, employment in the labour market or apprenticeship with industries.

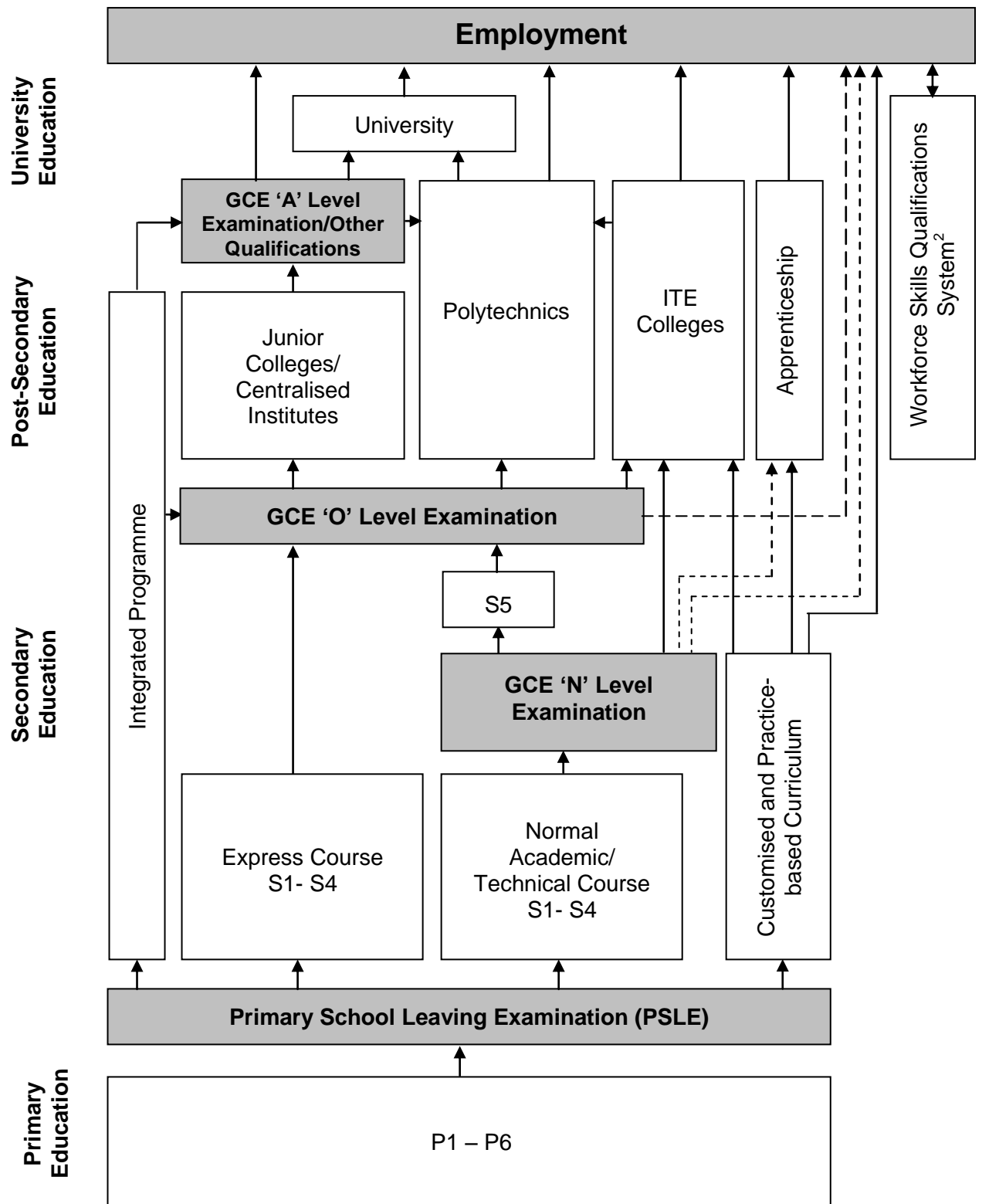
Continuing Education and Training: Singapore Workforce Skills Qualification System

WSQ, or the Singapore Workforce Skills Qualifications, is a national credentialing system that trains, develops, assesses and recognises adult workers for competencies to enhance their employability. Based on standards developed by the Singapore Workforce Development Agency (WDA) and various industries, WSQ ensures workers acquire skills needed by employers at the workplace. With clear progression pathways, workers can also use WSQ to upgrade their skills and plan their careers. As training and assessment are competency-based, workers have to demonstrate the right competencies before they are certified. WSQ is accessible to all workers, as its entry criteria are skills and knowledge, not solely based on formal qualifications. The quality of WSQ is assured by WDA, from the

development of competency standards, accreditation of training providers to the award of its qualifications.

Appendix II:
Singapore Education System with Continuing
Education and Training System

Singapore Education System with Continuing Education and Training System



² The box illustrates the level of WSQ full qualifications only. For the classification of Statements of Attainment or Module Certificates, please refer to the Classification of Educational Qualification Attained.

Appendix III:
Comparison between
SSEC 2010 and SSEC 2000
– Level of Education Attending

Comparison Table: Level of Education Attending

SSEC 2010		SSEC 2005	
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	19	Other primary education or equivalent (including International Schools)
2	SECONDARY: GENERAL & VOCATIONAL	2	SECONDARY: GENERAL
21	Secondary 1 (General)	21	Secondary 1
22	Secondary 2 (General)	22	Secondary 2
23	Secondary 3 (General)	23	Secondary 3
24	Secondary 4 (General)	24	Secondary 4
25	Secondary 5 (General)	25	Secondary 5
26	ITE Skills Certificate (ISC)	29	Other secondary education or equivalent (including International Schools)
27	Other secondary (General) education or equivalent		
29	Skilled certificate courses or equivalent (except ISC)		

Comparison Table: Level of Education Attending

SSEC 2010		SSEC 2005	
		3	SECONDARY : VOCATIONAL
		31	Basic vocational certificate course or equivalent (including Basic Vocational Training)
		32	Certificate of Competency
		33	Technical certificate course at NTC Grade 3
		39	Other skilled certificate courses (eg ITE Certificate in Health Care)
3	POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL	4	UPPER SECONDARY: GENERAL
31	Pre-University 1 / Junior College 1 (General)	41	Pre-University 1 / Junior College 1
32	Pre-University 2 / Junior College 2 (General)	42	Pre-University 2 / Junior College 2
33	Pre-University 3 (General)	43	Pre-University 3
34	National ITE Certificate (Nitec)	49	Other upper secondary education or equivalent (including International Schools)
35	Higher Nitec		
36	Master Nitec		
37	Other post-secondary (non-tertiary; General) education or equivalent	5	UPPER SECONDARY: VOCATIONAL
39	Other post-secondary (non-tertiary; Vocational) education or equivalent eg advanced certificate courses	51	Certificate in Office Skills
		52	Certificate in Business Skills
		53	Technical certificate course at NTC Grade 2 level or equivalent
		54	Technical certificate course at NTC Grade 1 level or equivalent
		55	Industrial Technician Certificate
		59	Other advanced certificate courses (eg SIM certificate)
4	POLYTECHNIC DIPLOMA COURSE	6	POLYTECHNIC DIPLOMA COURSE
41	Polytechnic diploma	61	Polytechnic diploma
42	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/ management/graduate diploma)	62	Polytechnic advanced diploma (including polytechnic management/graduate diploma)

Comparison Table: Level of Education Attending

SSEC 2010		SSEC 2005	
5	OTHER COURSES LEADING TO AWARD OF PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA	7	OTHER COURSES LEADING TO AWARD OF PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA
51	ITE diploma	71	National Institute of Education (NIE) diploma
52	Other diploma (eg NIE diploma, SIM diploma, LASALLE-SIA diploma, NAFA diploma or equivalent)	79	Other diplomas (eg SIM diploma)
53	Qualifications awarded by professional bodies		
59	Other advanced diploma, post diploma qualifications or equivalent		
6	UNIVERSITY FIRST DEGREE	8	UNIVERSITY FIRST DEGREE
60	Bachelor degree (including NIE bachelor degree with diploma in education)	80	Bachelor degree (including NIE bachelor degree with diploma in education)
7	UNIVERSITY POSTGRADUATE DIPLOMA / DEGREE	9	UNIVERSITY POSTGRADUATE DIPLOMA / DEGREE
71	Postgraduate diploma (including NIE postgraduate diploma)	91	Postgraduate diploma (including NIE postgraduate diploma)
72	Master	92	Master
73	Doctorate	93	Doctorate

Appendix IV:
Comparison between
SSEC 2010 and SSEC 2000
– Educational Qualification Attained

Comparison Table: Educational Qualification Attained

SSEC 2010		SSEC 2005	
0	NO FORMAL QUALIFICATION / LOWER PRIMARY	0	NO FORMAL QUALIFICATION / LOWER PRIMARY
01	Never attended school	01	Never attended school
02	Primary education without PSLE / PSPE certification or their equivalent	02	Primary education without PSLE / PSPE certification or their equivalent
03	Certificate in BEST 1-3	03	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 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 ESS WPLN Statements of Attainment at Level 3 or 4		

Comparison Table: Educational Qualification Attained

SSEC 2010		SSEC 2005	
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	Certificate of Competency
34	ITE Skills Certificate (ISC) or equivalent (eg Certificate of Competency, Certificate in Service Skills)	34	Technical certificate at NTC Grade 3 level or equivalent (eg Certificate of Vocational Training, BCA Builder Certificate)
35	At least 3 ESS WPLN Statements of Attainment at Level 5 and above	39	Other certificates or qualifications of equivalent standard
39	Other certificates or qualifications of equivalent standard		
4	POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL	4	UPPER SECONDARY: GENERAL
41	At least 1 GCE 'A'/H2' Level pass or equivalent (General)	41	At least 1 GCE 'A' Level pass
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)	49	Other qualifications of equivalent standard
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)	5	UPPER SECONDARY: VOCATIONAL
45	WSQ Certificate or equivalent	51	Certificate in Office Skills
46	WSQ Higher Certificate or equivalent	52	Certificate in Business Skills
47	WSQ Advanced Certificate or equivalent	53	Technical certificate at NTC Grade 2 level or equivalent (including Advanced Builder Certificate)
48	Other post-secondary (non-tertiary; general) qualifications, including International Baccalaureate / High School Diploma	54	Technical certificate at NTC Grade 1 level or equivalent
49	Other post-secondary (non-tertiary; Vocational) certificates (eg SIM certificates) qualifications	55	Industrial Technician Certificate or equivalent (including polytechnic certificates)
		59	Other advanced certificates (eg SIM certificates)

Comparison Table: Educational Qualification Attained

SSEC 2010		SSEC 2005	
5	POLYTECHNIC DIPLOMA	6	POLYTECHNIC DIPLOMA
51	Polytechnic diploma	61	Polytechnic diploma
52	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/management/graduate diploma)	62	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/management/graduate diploma)
53	Polytechnic post-diploma certificate	63	Polytechnic post-diploma certificate
6	PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA	7	PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA
61	ITE diploma	71	Qualifications awarded by professional bodies
62	Diploma qualifications (eg NIE diploma, SIM diploma, LaSalle-SIA diploma, NAFA diploma)	72	National Institute of Education (NIE) diploma
63	Qualifications awarded by professional bodies	79	Other diploma qualifications (eg SIM diploma)
64	WSQ diploma		
65	WSQ specialist diploma		
69	Other advanced diploma, post-diploma qualifications or equivalent		
7	UNIVERSITY FIRST DEGREE	8	UNIVERSITY FIRST DEGREE
70	Bachelor degree	80	Bachelor degree
8	UNIVERSITY POSTGRADUATE DIPLOMA / DEGREE	9	UNIVERSITY POSTGRADUATE DIPLOMA / DEGREE
81	Postgraduate diploma (including NIE postgraduate diploma)	91	Postgraduate diploma (including NIE postgraduate diploma)
82	WSQ graduate certificate	92	Master
83	WSQ graduate diploma	93	Doctorate
84	Master		
85	Doctorate		

Comparison Table: Educational Qualification Attained

SSEC 2010		SSEC 2005
9	OTHER EDUCATION (NON-AWARD COURSES / MISCELLANEOUS)	
91	At least 1 WSQ Statement of Attainment or ITE Module Certificate at Post-Secondary Level (Non-Tertiary) or equivalent	
92	At least 1 WSQ Statement of Attainment at Diploma Level or equivalent	
93	At least 1 WSQ Statement of Attainment at Postgraduate Diploma / Degree Level or equivalent	
99	Other Statement of Attainment, Module Certificate or equivalent	

Appendix V:
Comparison between
SSEC 2010 and SSEC 2000
– Field of Study

BROAD FIELD 01 EDUCATION

SSEC 2010		SSEC 2000	
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 nec	0119	Teacher Training nec (eg teaching of vocational subjects)
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 nec	0129	Education Science nec
013	TRAINER TRAINING		
0130	Adult & Continuing Education and Training		

BROAD FIELD 02 FINE & APPLIED ARTS

SSEC 2010		SSEC 2000	
021	FINE & PERFORMING ARTS	021	FINE & PERFORMING ARTS
0211	Fine Arts	0211	Fine Arts
0212	Music	0212	Music
0213	Drama (including theatre studies)	0213	Drama (including theatre studies)
0214	Dance	0214	Dance
0219	Fine & Performing Arts nec	0219	Fine & Performing Arts nec
022	DESIGN & APPLIED ARTS	022	DESIGN & APPLIED ARTS
0221	Graphic & Multi-media Design	0221	Graphic & Multi-Media Design
0222	Fashion Design	0222	Fashion Design
0223	Interior Design	0223	Interior Design
0224	Product/Industrial Design	0224	Product/Industrial Design
0229	Design & Applied Arts nec	0229	Design & Applied Arts nec
023	MEDIA PRODUCTION	023	MEDIA PRODUCTION
0231	Photography	0231	Photography
0232	Videography	0232	Videography
0233	Cinematography (including digital filmmaking)	0233	Cinematography
0239	Media Production nec	0239	Media Production nec
029	FINE & APPLIED ARTS NEC	029	FINE & APPLIED ARTS NEC
0291	Publishing	0291	Publishing
0299	Fine & Applied Arts nec	0299	Fine & Applied Arts nec

BROAD FIELD 03 HUMANITIES & SOCIAL SCIENCES

SSEC 2010		SSEC 2000	
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 nec (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 nec (eg criminology)	0329	Behavioural Science nec (eg criminology)
033	ECONOMICS	033	ECONOMICS
0330	Economics	0330	Economics
034	SOCIAL, SPORTS AND COMMUNITY SERVICES	034	SOCIAL WORK
0341	Social Work	0340	Social Work & Welfare (including vocational counselling)
0342	Student/Youth Care (eg after-school care, student counselling)		
0343	Counselling		
0344	Sports and Recreation (including fitness training and sports coaching)		

BROAD FIELD 03 HUMANITIES & SOCIAL SCIENCES

SSEC 2010		SSEC 2000	
039	HUMANITIES & SOCIAL SCIENCES NEC	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 nec (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

SSEC 2010		SSEC 2000	
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)

BROAD FIELD 05 BUSINESS & ADMINISTRATION

SSEC 2010		SSEC 2000	
051	ADMINISTRATION & MANAGEMENT	051	ADMINISTRATION & MANAGEMENT
0511	Business Management	0511	Business Management
0512	Human Resource Management	0512	Human Resource Management
0513	Industrial Management	0513	Industrial Management
0514	Operations/Logistics Management	0514	Operations/Logistics Management
0515	Public and Institution Management	0515	Public and Institution Management
0516	Hospitality and Tourism Management	0516	Hospitality Management
0517	Arts & Events Management	0517	Arts & Events Management
0519	Administration & Management nec	0519	Administration & Management nec
052	ACCOUNTANCY	052	ACCOUNTANCY
0521	Accountancy	0521	Accountancy/Financial Auditing
0522	Auditing	0522	Bookkeeping
0523	Bookkeeping		
0524	Tax accounting		
053	BANKING, INSURANCE & FINANCIAL SERVICES	053	BANKING, INSURANCE & FINANCIAL SERVICES
0531	Banking & Financial Investment	0531	Banking & Financial Investment
0532	Insurance	0532	Insurance
0533	Actuarial Science	0539	Banking, Insurance & Financial Services nec
0539	Banking, Insurance & Financial Services nec (including computational finance)		(including computational finance)

BROAD FIELD 05 BUSINESS & ADMINISTRATION

SSEC 2010		SSEC 2000	
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 nec	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 nec	0559	Management Support Services nec
059	BUSINESS & ADMINISTRATION NEC	059	BUSINESS & ADMINISTRATION NEC
0591	E-commerce Management	0591	E-commerce Management
0599	Business & Administration nec (including entrepreneurship)	0599	Business & Administration nec (including entrepreneurship)

Comparison Table: Field of Study

BROAD FIELD 06 LAW

SSEC 2010		SSEC 2000	
060	LAW	061	LAW
0601	Law	0611	Law
0602	Legal Studies	0612	Legal Studies

BROAD FIELD 07 NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES

SSEC 2010		SSEC 2000	
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
0719	Biological Sciences & Technologies nec (including environmental science, molecular biology, cell & molecular biology, computational biology)	0719	Biological Sciences & Technologies nec (including environmental science, 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 nec (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)

BROAD FIELD 07 NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES

SSEC 2010		SSEC 2000	
073	AGRICULTURE & FISHERY	073	AGRICULTURE & FISHERY
0731	Agricultural Science (including agrobiolgy)	0731	Agricultural Science (including agrobiolgy)
0732	Fishery	0732	Fishery
0733	Horticulture	0733	Horticulture
0734	Forestry	0734	Forestry
074	MATHEMATICS & STATISTICS	074	MATHEMATICS & STATISTICS
0741	Mathematics (including applied mathematics)	0741	Mathematics (including applied mathematics)
0742	Statistics	0742	Statistics
0743	Operations Research	0743	Actuarial Science
0744	Econometrics	0744	Operations Research
0749	Mathematics & Statistics nec (including computational mathematics)	0745	Econometrics
		0749	Mathematics & Statistics nec (including computational mathematics)
079	NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES NEC	079	NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES NEC
0790	Natural, Physical, Chemical & Mathematical Sciences nec	0799	Natural, Physical, Chemical & Mathematical Sciences nec

BROAD FIELD 08 HEALTH SCIENCES

SSEC 2010		SSEC 2000	
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 nec	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 nec	0839	Dental Sciences nec

BROAD FIELD 08 HEALTH SCIENCES

SSEC 2010		SSEC 2000	
084	VETERINARY SCIENCES	084	VETERINARY SCIENCES
0841	Veterinary Medicine	0841	Veterinary Medicine
0842	Veterinary Support Services	0842	Veterinary Support Services
085	NURSING & HEALTH CARE	085	NURSING & HEALTH CARE
0851	Nursing	0851	Nursing
0852	Health care	0852	Health care
086	PHARMACY	086	PHARMACY
0860	Pharmacy	0860	Pharmacy
087	COMPLEMENTARY THERAPIES		
0870	Complementary Therapies (eg Traditional Chinese Medicine, Acupuncture and Naturopathy)		
089	HEALTH SCIENCES NEC	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 nec (including cardiac technology)	0899	Health Sciences nec (including cardiac technology)

BROAD FIELD 09 INFORMATION TECHNOLOGY

SSEC 2010		SSEC 2000	
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 (e.g. Interactive Digital Media)	0915	Multi-Media Technology
0916	Internet Technology	0916	Internet Technology
0917	Infocomm Security Management (including network security)	0919	Information Technology nec
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

SSEC 2010		SSEC 2000	
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 nec (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 NEC	109	ARCHITECTURE & BUILDING NEC
1091	Architectural Drafting	1091	Architectural Drafting
1092	Real Estate (including valuation)	1092	Real Estate (including valuation)
1099	Architecture & Building nec	1099	Architecture & Building nec

BROAD FIELD 11 ENGINEERING SCIENCES

SSEC 2010		SSEC 2000	
111	CHEMICAL ENGINEERING	111	CHEMICAL ENGINEERING
1111	Chemical Engineering (including chemical process engineering)	1111	Chemical Engineering (including chemical process engineering)
1112	Polymer Engineering & Technology	1112	Polymer Technology
1113	Industrial Chemical Technology	1113	Industrial Chemical Technology (including chemical process technology)
1119	Chemical Engineering nec	1119	Chemical Engineering nec
112	CIVIL ENGINEERING	112	CIVIL ENGINEERING
1121	Civil Engineering	1121	Civil Engineering
1122	Structural Engineering	1122	Structural Engineering
1123	Geotechnical Engineering	1123	Geotechnical Engineering
1124	Hydraulics Engineering	1124	Hydraulics Engineering
1125	Transportation Engineering	1125	Transportation Engineering
1126	Environmental Engineering (including public health, water resources engineering)	1126	Environmental Engineering (including public health, water resources engineering)
1129	Civil Engineering nec (including construction engineering, construction technology & materials)	1129	Civil Engineering nec (including construction engineering, construction technology & materials)
113	ELECTRICAL & ELECTRONICS ENGINEERING	113	ELECTRICAL & ELECTRONICS ENGINEERING
1131	Electronics Engineering (including control engineering)	1131	Electronics Engineering (including control engineering)
1132	Electrical Engineering (including power engineering)	1132	Electrical Engineering (including power engineering)
1133	Communications Engineering (including Wireless Technology)	1133	Communications Engineering
1134	Microelectronics	1134	Microelectronics
1139	Electrical & Electronics Engineering nec	1139	Electrical & Electronics Engineering nec
114	COMPUTER ENGINEERING	114	COMPUTER ENGINEERING
1140	Computer Engineering	1140	Computer Engineering

BROAD FIELD 11 ENGINEERING SCIENCES

SSEC 2010		SSEC 2000	
115	MECHANICAL ENGINEERING	115	MECHANICAL ENGINEERING
1151	Mechanical Engineering	1151	Mechanical Engineering
1152	Aeronautical Engineering (including Aerospace Electronics)	1152	Aeronautical Engineering
1153	Automotive Engineering	1153	Automotive Engineering
1154	Thermal Engineering	1154	Thermal Engineering
1155	Mechatronics	1155	Mechatronics
1159	Mechanical Engineering nec	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 nec	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 nec	1179	Manufacturing & Related Engineering nec
119	ENGINEERING SCIENCES NEC	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 nec	1199	Engineering Sciences nec

BROAD FIELD 12 ENGINEERING, MANUFACTURING & RELATED TRADES

SSEC 2010		SSEC 2000	
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 nec (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 nec	1229	Manufacturing Trades nec
129	ENGINEERING, MANUFACTURING & RELATED TRADES NEC	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 nec	1299	Engineering, Manufacturing & Related Trades nec

BROAD FIELD 13 SERVICES

SSEC 2010		SSEC 2000	
131	PERSONAL SERVICES	131	PERSONAL SERVICES
1311	Hairdressing	1311	Hairdressing
1312	Beauty Services	1312	Beauty Services
1313	Fashion Garment/Garment Patternmaking	1313	Fashion Garment/Garment Patternmaking
1314	Domestic Science	1314	Domestic Science
1319	Personal Services nec	1319	Personal Services nec
132	FOOD SERVICES	132	FOOD SERVICES
1321	Food Preparation/Culinary Skills	1321	Food Preparation/Culinary Skills
1322	Food & Beverage Management/Services	1322	Food & Beverage Management/Services
1329	Food Services nec	1329	Food Services nec
133	HOSPITALITY SERVICES	133	HOSPITALITY SERVICES
1331	Front Office Operations	1331	Front Office Operations
1332	Accommodation Services	1332	Accommodation Management
1333	Housekeeping	1333	Housekeeping
1334	Travel/Tourism Services	1334	Travel/Tourism Services
1339	Hospitality Services nec	1339	Hospitality Services nec

BROAD FIELD 13 SERVICES

SSEC 2010		SSEC 2000	
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 nec	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 nec	1359	Security Services nec

Comparison Table: Field of Study

BROAD FIELD 99 OTHER FIELDS

SSEC 2010		SSEC 2000	
999	OTHER FIELDS NEC	999	OTHER FIELDS NEC
9991	Translation & Interpretation	9991	Translation & Interpretation
9999	Other Fields nec	9999	Other Fields nec

Alphabetical Index

A

1332	Accommodation Management
1332	Accommodation Operations
1332	Accommodation Services
0521	Accountancy
0524	Accounting, Tax
0533	Actuarial Science
0870	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
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
0741	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
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
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
0860	Clinical Pharmacy
1224	Clothing Production
0911	Communication & Computer Networking
0911	Communication & Networking Systems
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
0870	Complementary Therapies
0719	Computational Biology
0729	Computational Chemistry
0539	Computational Finance
0749	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
0329	Criminology
1321	Culinary Skills
0422	Curatorial Studies

D

0214	Dance
0911	Data Communication & Networking
0399	Demography
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
0744	Econometrics
0330	Economics
0121	Education Administration
0122	Education Curriculum Development
0121	Education Management
0123	Educational Assessment
0124	Educational Psychology
0125	Educational Technology
1139	Electrical & Electronics Engineering
1292	Electrical Drafting
1132	Electrical Engineering
1211	Electrical Installation & Servicing
1133	Electronics & Communications Engineering
1131	Electronics Engineering
1211	Electronics Installation & Servicing
1131	Electronics, Computer & Control Engineering
0811	Emergency Medicine
0829	Endocrinology
0832	Endodontics
0741	Engineering Mathematics
1152	Engineering, Aeronautical
1152	Engineering, Aeronautical Maintenance
1125	Engineering, Airport
1153	Engineering, Automotive

1193	Engineering, Biomedical
1192	Engineering, Building Services
1111	Engineering, Chemical
1121	Engineering, Civil
1129	Engineering, Civil & Construction
1126	Engineering, Civil & Environmental
1122	Engineering, Civil & Structural
1133	Engineering, Communications
1140	Engineering, Computer
1129	Engineering, Construction
1131	Engineering, Consumer Electronics
1132	Engineering, Electrical
1131	Engineering, Electronics
1133	Engineering, Electronics & Communications
1131	Engineering, Electronics, Computer & Control
1126	Engineering, Environmental
0539	Engineering, Financial
1199	Engineering, Food
1123	Engineering, Geotechnical
1132	Engineering, High Voltage
1124	Engineering, Hydraulics
1172	Engineering, Industrial
1172	Engineering, Industrial & Systems
1172	Engineering, Intelligent Systems
1171	Engineering, Manufacturing
1161	Engineering, Marine
1173	Engineering, Materials
1173	Engineering, Materials Science
1151	Engineering, Mechanical
1191	Engineering, Metallurgical
0915	Engineering, Multi-Media Software
0915	Engineering, Multi-Media System
1112	Engineering, Polymer
1132	Engineering, Power
1132	Engineering, Power Plant
1174	Engineering, Precision
1171	Engineering, Production
1126	Engineering, Public Health
1175	Engineering, Quality Assurance
1133	Engineering, Radio Frequency
1126	Engineering, Safety, Health & Environment
1162	Engineering, Shipbuilding
1162	Engineering, Shipbuilding & Offshoring
0913	Engineering, Software
1122	Engineering, Structural
1154	Engineering, Thermal
1125	Engineering, Transportation
1126	Engineering, Water Resources
0311	English Literature
0311	English Studies
0599	Entrepreneurship

1126	Environmental Engineering
0719	Environmental Science
1043	Estate Management
0392	Ethics
0319	European Studies

F

0811	Family Medicine
0222	Fashion Design
1313	Fashion Garment Patternmaking
0233	Film, Sound & Video Production
0233	Film-making, digital
0522	Financial Auditing
0539	Financial Engineering
0211	Fine Arts
1355	Fire & Safety Management
1353	Fire Fighting
0732	Fishery
0344	Fitness training
1322	Food & Beverage Management
1322	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

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	Hairstyling
0829	Hand Surgery

0852	Health Care (In-patient)
0852	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
0221	Interactive Media Design
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
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
1322	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
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
0741	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
0841	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

0870	Naturopathy
1341	Nautical Studies
1163	Naval Architecture
0917	Network Security Management
0829	Neurology
0829	Neurosurgery
0829	Nuclear Medicine
0851	Nursing
0851	Nursing (Critical Care)
0851	Nursing (Emergency)
0851	Nursing (Gerontology)
0851	Nursing (Medical/Surgical)
0851	Nursing (Mental Health)
0851	Nursing (Midwifery)
0851	Nursing (Neuroscience)
0851	Nursing (Oncology)
0851	Nursing (Operating Theatre)
0851	Nursing (Orthopaedics)
0851	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
0743	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
0829	Pathology
0834	Pathology, Oral
0837	Periodontics
0512	Personnel Management
0860	Pharmaceutical Sciences
0829	Pharmacology
0860	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
0121	Pre-school Education Management & Administration
0121	Pre-school Leadership Training
1222	Printing Crafts
1222	Printing Technology
1111	Process Engineering (Chemical)
0224	Product Design
1171	Production Engineering
1043	Property & Maintenance Management
1043	Property Management

0838	Prosthodontics
0825	Psychiatry
0322	Psychology
0515	Public & Institution Management
1126	Public Health Engineering
0811	Public Health Medicine
0399	Public Policy
0412	Public Relations
0291	Publishing

Q

1175	Quality Assurance Engineering
1175	Quality Engineering & Management
1032	Quantity Surveying

R

0899	Radiation Therapy
0411	Radio Broadcasting
1133	Radio Frequency Engineering
0893	Radiography
0824	Radiology
1092	Real Estate (Valuation)
0399	Regional Studies
0829	Rehabilitation Medicine
0391	Religious Studies
0829	Renal Medicine
0829	Respiratory Medicine
0543	Retail Marketing
0543	Retailing
0829	Rheumatology
0532	Risk & Insurance Management

S

1355	Safety Management
1126	Safety, Health & Environment Engineering
0543	Salesmanship & Sales Management
0790	Science
0551	Secretarial Skills
1351	Security Management
1134	Semiconductor Technology
1161	Ship & Marine Technology
1162	Shipbuilding & Offshoring Engineering
1162	Shipbuilding Engineering
0601	Singapore Law
0399	Social Sciences

0341	Social Work
0321	Sociology
0913	Software Engineering
0729	Soil & Water Science
0899	Sonography
0319	Southeast Asian Studies
0344	Sports and Recreation
0344	Sports Coaching
0742	Statistics
1199	Steel Structure Technology
0552	Stenography
0511	Strategic Management
0541	Strategic Marketing
1122	Structural Engineering
0342	Student Care
0828	Surgery, Cardiothoracic
0812	Surgery, General
0829	Surgery, Hand
0833	Surgery, Oral & Maxillo-facial
0822	Surgery, Paediatric
0829	Surgery, Plastic
0912	System Analysis
0912	System Design

T

0314	Tamil Studies
0524	Tax accounting
0111	Teacher Training (Art Education)
0111	Teacher Training (Chinese Language)
0130	Teacher Training (Competency-Based)
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
0870	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)
0841	Veterinary Medicine
0842	Veterinary Support Services
0232	Videography
0343	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

0342	Youth Care
------	------------

Z

0711	Zoology
------	---------

Working Group for
Revision of SSEC 2010

Singapore Department of Statistics

Dr Soon Teck Wong (Director, Economic Accounts Division)

Mrs Sally Lim (Deputy Director, Statistical Planning and Co-ordination)

Ms Seet Chia Sing (Senior Assistant Director, Income, Expenditure and Population Statistics Division)

Mr Pang Chin Eng (Assistant Director, Income, Expenditure and Population Statistics Division)

Mr Cheam Fong Hong (Statistician, Policy Planning Division)

Ms Ng Siew Siew (Manager, Statistical Planning and Co-ordination)

Ministry of Education

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

Ministry of Manpower

Miss Wong Yuet Mei (Senior Assistant Director, Manpower Research & Statistics Department)

Institute of Technical Education

Mr Jason Chua (Manager, Curriculum & Educational Development Division)

Singapore Workforce Development Agency

Mrs Cheung-Gog Soon Joo (Director, Quality Assurance Division)

Ms Loh Gek Khim (Assistant Director, Quality Assurance Division)

Ms Tracy Lee (Assistant Director, Quality Assurance Division)

Ms Angeline Lim (Manager, Quality Assurance 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 provide key data on Singapore's economy and population.
- ◆ News
which cover the Performance of Singapore Economy, the Consumer Price Index, the Wholesale Trade Index, Business Receipts Index for Service Industries, Retail Sales and Catering Trade Indices, Manufacturing Performance, Singapore External Trade, Tourism Sector Performance, Real Estate Information and Employment Situation.
- ◆ Publications - Papers & Analyses
which provide papers on economic and social topics.
- ◆ Themes
which presents official statistics compiled by DOS and the Research and Statistics Units 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 Catalogue
which lists the latest editions of publications released by the Singapore Department of Statistics at <http://www.singstat.gov.sg/pubn/catalog.html>. All softcopy DOS publications are available for free downloading. Statistical tables of DOS publications in Excel format are also available.
- ◆ Advance Release Calendar
which covers key Singapore economic indicators.

The website also provides a convenient gateway to international statistical websites under the "Statistical Resources" section:

- ◆ Guide to International Statistics
which covers international databases, classifications and links, and statistical terms and definitions.
- ◆ 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 (www.singstat.gov.sg/express).

SINGAPORE DEPARTMENT OF STATISTICS INFORMATION DISSEMINATION SERVICES (continued)

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 are available at <http://www.singstat.gov.sg/svcs/rss.html>.

Data on SMS

Data on SMS is a free mobile service for local data users to receive the latest data for key indicators via SMS. Simply key **data** and SMS to 74688 (or SGOVT) for the service. More information is available at <http://www.singstat.gov.sg/svcs/dataonsms.html>.

SingStat Time Series (STS) Online System

The SingStat Time Series (STS) Online System is an internet-accessible time series retrieval system. The STS includes more than 7,000 historical data series on Singapore society and economy from several domains, including national accounts, balance of payments, investments, finance, labour, prices, business expectations, trade, manufacturing, tourism, demography, health and education.

Besides the usual monthly, quarterly and annual data, STS includes also seasonally adjusted data series for key economic indicators providing for a better analysis and understanding of current economic trends. The STS also offers:

- Web-based search engine that is easy to use;
- “Bookmark” features that enable users to save and organise links in their personalised portals.

Subscription to STS is opened to local and overseas users. More information on STS are available via Statistics Singapore Website. For enquiries, please contact our Department at **Tel : 6332-7119**.

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