



Singapore Standard Educational Classification 2020

SINGAPORE STANDARD EDUCATIONAL CLASSIFICATION 2020
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Preface

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

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

The SSEC 2020 is the fourth edition of the SSEC and supersedes the previous editions. It consists of three components – classification of level of education attending, classification of educational qualification attained and classification of field of study.

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

Wong Wee Kim
Chief Statistician
Singapore

March 2020

Our Vision

National Statistical Service of Quality, Integrity and Expertise

Our Mission

We Deliver Insightful Statistics and Trusted Statistical Services that Empower
Decision Making

Our Guiding Principles

- | | |
|--|---|
| Professionalism & Expertise | We adhere to professional ethics and develop statistical competency to produce quality statistics that comply with international concepts and best practices. |
| Relevance & Reliability | We produce statistics that users need and trust. |
| Accessibility | We make our statistics readily available through user-friendly platforms. |
| Confidentiality | We protect the confidentiality of information collected by us. |
| Timeliness | We disseminate statistics at the earliest possible date while maintaining data quality. |
| Innovation | We constantly seek ways to improve our processes, leveraging on new technology where feasible, to deliver better products and services to users. |
| Collaboration | We engage users on data needs, data providers and respondents on supply of data, and undertake the role of national statistical coordination. |
| Effectiveness | We optimise resource utilisation, leveraging on administrative and alternative data sources to ease respondent burden. |

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(These can be found on the Statistics Singapore Website in MS Excel format and may be updated periodically to facilitate users' coding purposes.)	

List of Abbreviations

ACCA	: Association of Chartered Certified Accountants
BCA	: Building and Construction Authority
BEST	: Basic Education for Skills Training
CET	: Continuing Education and Training
CFA	: Chartered Financial Analyst
DPP	: Direct-Entry-Scheme to Polytechnic Programme
ECDC	: Early Childhood Development Centres
eNFP	: Enhanced Nitec Foundation Programme
EQA	: Educational Qualification Attained
ES	: Employability Skills
ESS	: Employability Skills System
FOS	: Field of Study
GCE	: General Certificate of Examination
GPA	: Grade Point Average
H2	: Higher 2
IB	: International Baccalaureate
IDM	: Interactive Digital Media
IP	: Integrated Programme
ITE	: Institute of Technical Education
ISC	: ITE Skills Certificate
ISCED	: International Standard Classification of Education
ISCED-F	: ISCED Fields of Education and Training
LASALLE	: LASALLE College of the Arts
LEA	: Level of Education Attending
NAFA	: Nanyang Academy of Fine Arts
N.E.C.	: Not elsewhere classified
NEL	: Nurturing Early Learners
NFP	: NAFA Foundation Programme
NIE	: National Institute of Education
Nitec	: National ITE Certificate
NTC	: National Technical Certificate
NUS	: National University of Singapore
PEI	: Private Education Institute
PFP	: Polytechnic Foundation Programme
PSLE	: Primary School Leaving Examination
PSPE	: Primary School Proficiency Examination
SIM	: Singapore Institute of Management
SSEC	: Singapore Standard Educational Classification
WISE	: Worker Improvement through Secondary Education
WSQ	: Workforce Skills Qualifications
WPLN	: Workplace Literacy and Numeracy

Part I: Introduction and Methodological Notes

1. Introduction

1.1. The Singapore Standard Educational Classification (SSEC) is designed for use in the collection of data (e.g. via 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. The SSEC is updated regularly to ensure the continuing relevance to local context and alignment to international standards.

1.2. The SSEC 2020 adopts the basic framework and principles of the International Standard Classification of Education (ISCED) 2011 and ISCED Fields of Education and Training (ISCED-F) 2013. It is the fourth edition since the SSEC 2000. The SSEC 2020 has been revised to take into account changes in Singapore's education landscape to maintain relevance to the local context¹, as well as changes in international standards to enhance international comparability. Apart from changes in the education system and vocational certification system, developments in the continuing education and training (CET) programmes and qualification/certification systems to upgrade the workforce under the Skills Framework have also been taken into consideration when revising the SSEC.

¹ The SSEC 2020 does not take into account the remaking of secondary school pathways in Singapore – one secondary education with many subject bands – that was announced in early March 2019 as this will only commence in 2024. Under the new system, Secondary 1 students will be offered subjects at three levels: G1/G2/G3 (G stands for General), mapped from today's Secondary Normal (Technical), Normal (Academic) and Express standards respectively.

2. Overview of Scope and Structure of Classification

2.1. The SSEC 2020 comprises three components:

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

2.2. The hierarchical structure of the SSEC is defined by aggregating categories representing various educational programmes in Singapore's present education system and the educational qualifications currently awarded in Singapore. For educational programmes offered in Singapore based on foreign education systems, and qualifications which were awarded in Singapore in the past or those awarded overseas, the proxy equivalence to the current system and qualifications in Singapore can be used to determine the appropriate classification. [Appendix 1](#) provides a chart of the broad qualifications/certifications from key programmes in Singapore's education system as well as CET system.

2.3. Detailed descriptions of the scope and structure of the three components are given in the subsequent sections. A few key changes within each component in the SSEC 2020 compared to SSEC 2015 are also presented. The two-way correspondence tables between SSEC 2020 and SSEC 2015 are available on the [Statistics Singapore Website](#).

2.4. The design of SSEC 2020 has remained largely similar to SSEC 2015. One consideration in retaining the design of the SSEC is the extent of details that could be obtained from survey respondents. For example, there is no distinction between professional qualifications awarded by accredited institutions and those that are not accredited as respondents are generally not able to provide sufficient information for such distinction either for themselves or on behalf of their household members.

3. Classification of Level of Education Attending

3.1. The level of education attending (LEA) refers to the grade or standard of education that a student is attending.

3.2. The classification for LEA is a two-digit hierarchical structure. At the one-digit broad level, there are ten categories in the SSEC 2020 LEA. The structure remains the same as in SSEC 2015, with minor changes made to the code titles of selected categories as follows:

SSEC 2020 LEA	SSEC 2015 LEA
0 Pre-Primary	0 Pre-Primary
1 Primary	1 Primary
2 Secondary	2 Secondary
3 Post-Secondary (Non-Tertiary): General and Vocational	3 Post-Secondary (Non-Tertiary): General and Vocational
4 Polytechnic Diploma 	4 Polytechnic Diploma Course
5 Professional Qualification and Other Diploma 	5 Other Courses Leading to Award of Professional Qualification and Other Diploma
6 Bachelor's or Equivalent	6 Bachelor's or Equivalent
7 Postgraduate Diploma/Certificate (Excluding Master's and Doctorate)	7 Postgraduate Diploma/Certificate (Excluding Master's and Doctorate)
8 Master's and Doctorate or Equivalent	8 Master's and Doctorate or Equivalent
X Not Reported	X Not Reported

3.3. The typical ages and years of schooling for selected levels of education are shown below:

Level	Typical Age (years)	Years of Schooling
Pre-Primary	3 to 5	1 to 3
Primary	6 to 11	6
Secondary	12 to 15	4 to 5
Post-Secondary (Non-Tertiary)	16 to 18	2 to 3
Diploma	16 to 18	2 to 3
University (First Degree)	18 to 25	3 to 5

3.4. For SSEC 2020 LEA, pre-primary programme is defined to comprise nursery, kindergarten 1 and kindergarten 2 classes for children typically aged three to five years old. The coverage is an extension compared to that defined in SSEC 2015 LEA (i.e. kindergarten classes with typical ages of four to five years). The extended coverage for pre-primary in SSEC 2020 LEA is aligned with ISCED's entrance age for this level, and the Ministry of Education's Nurturing Early Learners (NEL) Framework (Revised 2012) and the Early Childhood Development Agency's Early Childhood Development Centres

(ECDC) Act and Regulations. The NEL Framework provides guidelines for designing and implementing quality pre-school curricula for children aged four to six years old, while the ECDC Act and Regulations ensures consistent standards across pre-schools. Specifically under the ECDC Regulations, classes conducted for children below the typical entrance age of six years are:

Classes Conducted at a Centre	Typical Entrance Age
Infant class	2 months of age or older but below 18 months of age
Playgroup class	18 months of age or older but below 3 years of age
Pre-nursery class (also commonly known as Nursery 1)	2 years of age
Nursery class (also commonly known as Nursery 2)	3 years of age
Kindergarten 1 class	4 years of age
Kindergarten 2 class	5 years of age

3.5. At the finer two-digit level, there are 36 categories in the SSEC 2020 LEA, up from 35 in SSEC 2015. When classifying programmes into the two-digit categories, one of the main considerations is the educational content of the programme at a particular educational level. In practice, supplementary criteria for classifying the level of education attending also include typical age of students attending the educational programme, duration of education, minimum entrance requirements and next typical educational level.

3.6. An example to illustrate the application of the criteria is the six-year Integrated Programme (IP). While the IP does not include a national examination at the end of secondary level, a student progressing from Year 4 to Year 5 would typically prepare for pre-university examinations such as the Singapore-Cambridge General Certificate of Examination (GCE) 'Advanced' ('A') Level examinations to be attempted at the end of Year 6. The typical ages of students in Years 5 and 6 of the IP are 16 to 18 years old. In addition, the progression and duration within an IP are similar to the conventional educational pathway with separate secondary and pre-university programmes. Therefore, Years 5 and 6 of the IP are classified as post-secondary (non-tertiary) level, specifically '31 Pre-University 1 / Junior College 1 (general) (including Year 5 of Integrated Programme)' and '32 Pre-University 2 / Junior College 2 (general) (including Year 6 of Integrated Programme)' respectively.

3.7. Another example is the determination of LEA classification for key foundation programmes. For Secondary 4 Normal (Academic) (N(A)) students who had performed very well in the GCE N(A) Level examinations, alternative progression pathways in lieu of the Secondary 5 N(A) were introduced in 2013, namely Polytechnic Foundation Programme (PFP) and Direct-Entry-Scheme to Polytechnic Programme (DPP) via Institute of Technical Education (ITE). In 2018, the Nanyang Academy of Fine Arts (NAFA) launched its NAFA Foundation Programme (NFP) which is similar to the PFP.

3.8. The PFP and NFP are diploma-specific foundation programmes conducted over a year (or two academic semesters) to prepare students for progression into Year 1 of polytechnic and NAFA respectively. The LEA classification of these two programmes is '27 Other secondary education or equivalent', given that their curriculums are of general and not vocational orientation, and the bulk of the programme credits/hours go into academic modules that roughly mirrored what are taught in Secondary 5 N(A), albeit in a more applied, polytechnic-style pedagogy.

3.9. The DPP prepares students for progression into selected polytechnic diploma courses without going through the GCE 'Ordinary' ('O') Level examinations, via a two-year Higher National ITE Certificate (Nitec) programme at the ITE. Under the DPP, students who successfully complete their Higher Nitec course and attain the minimum qualifying Grade Point Average (GPA) are assured of a place in a polytechnic diploma course mapped to their Higher Nitec course. The LEA classification of this programme is '35 Higher Nitec', given that it is actually a Higher Nitec programme.

3.10. To help Secondary 4 Normal (Technical) (N(T)) students with zero or one subject pass at the GCE 'Normal' ('N') Level acquire a skill qualification, ITE launched a new initiative, namely the three-year Nitec programme in 2014 in addition to the usual two-year Nitec programme. Specifically, the students will undergo two years of the Enhanced Nitec Foundation Programme (eNFP) before progressing to the Career Core curriculum in the third year. Similar to the two-year Nitec programme, the LEA classification of eNFP is '34 Nitec'.

3.11. To cater to different treatments in domestic and international classifications of various programmes at the Bachelor's or equivalent level, separate categories have been created for a first degree programme which is typically three or four years in duration, and a long first degree programme which typically requires a longer duration beyond four years. A second or further Bachelor's degree in another discipline (e.g. double degree programme) is considered as a first degree. The law programmes, namely Juris Doctor (JD) and Graduate Bachelor of Laws (GLB), which require at least a Bachelor's degree in another discipline, are in essence a second Bachelor's and hence are considered as first degree programmes. The courses currently under the long first degrees include Bachelor of Medicine and Bachelor of Surgery (MBBS), and Doctor of Medicine (MD).

3.12. In the SSEC 2020 LEA, some of the code titles have been amended to provide clarity. For example, besides amending the title for pre-primary's two-digit code to include nursery, kindergarten 1 and kindergarten 2 classes to reflect its scope more clearly, the two-digit code is amended from code '01' in SSEC 2015 LEA to code '00' in SSEC 2020 LEA since there is only one two-digit code under the one-digit broad level.

3.13. Since polytechnic advanced diploma course is an example of a post-diploma programme, the titles for SSEC LEA codes '42' and '59' are amended accordingly. The list of examples in code '42' is also refreshed to reflect the current common programmes, including diploma (conversion) courses.

3.14. With the growing number of Private Education Institutes (PEIs) in Singapore, the code titles in SSEC 2020 LEA have been updated to include the qualifications issued by them. The title for code '52' is amended to 'Other locally or externally developed diploma (including NIE diploma, SIM diploma, LASALLE diploma, NAFA diploma)' to better reflect the intended coverage of diplomas offered by the public education institutes (e.g. National Institute of Education (NIE)) and PEIs (e.g. Singapore Institute of Management (SIM), LASALLE College of the Arts (LASALLE) and NAFA). Locally developed diploma programmes by PEIs refer to courses that are self-developed and delivered by the PEIs and the students receive a diploma qualification upon successful completion of the course. Externally developed diplomas are qualifications from programmes that are developed by the awarding body (e.g. Pearson) and delivered by the PEIs locally. Upon successful completion of the course, graduates would receive a qualification conferred by the awarding body.

3.15. A table comparing the LEA classification between SSEC 2020 and SSEC 2015 is given in [Appendix 2](#).

4. Classification of Educational Qualification Attained

4.1. The level of educational qualification attained (EQA) refers to the grade or standard of education passed or the highest level of education where a certificate, diploma or degree is awarded by an educational or training institution.

4.2. For SSEC 2020 EQA, there is no change in age coverage (i.e. all ages are covered). Those who are in infant, playgroup and pre-nursery classes are categorised as never attended school, notwithstanding that these classes may have some form of early childhood educational development activities.

4.3. The classification for level of EQA is a two-digit hierarchical structure. The levels of educational qualifications are categorised into twelve broad groups, each denoted by a digit from '0' to '9', or an alphabet 'N' or 'X' at the one-digit level in the SSEC 2020 EQA. Compared to SSEC 2015, there is no change both in the number of codes and titles at the one-digit level.

4.4. Each broad EQA group contains more distinctions at the two-digit level based on the orientation of programme or the specific type of qualification typically awarded in Singapore's context. As the structure of the LEA and EQA classifications are closely linked, the increase in the number of two-digit LEA codes in SSEC 2020 is also reflected in the two-digit EQA codes which rose to 47 categories from 46 in SSEC 2015.

4.5. The general guideline for attainment of a particular broad level of education is as follows:

SSEC 2020 EQA	Benchmark
0 No Formal Qualification / Pre-Primary / Lower Primary	Did not qualify for any of the Secondary N(T), N(A) or Express courses based on PSLE results or equivalent
1 Primary	Qualified for any of the Secondary N(T), N(A) or Express courses based on PSLE results or equivalent
2 Lower Secondary	Did not obtain at least one subject pass at GCE 'N' or 'O' Level or equivalent
3 Secondary	Obtained at least one subject pass at GCE 'N' or 'O' Level or equivalent
4 Post-Secondary (Non-Tertiary): General and Vocational	Obtained at least one subject pass at GCE 'A' Level or equivalent, or awarded at least an ITE Nitec or WSQ certification or equivalent
5 Polytechnic Diploma	Awarded a diploma or post-diploma by a polytechnic
6 Professional Qualification and Other Diploma	Obtained a diploma or other qualification by a professional body or vocational institution
7 Bachelor's or Equivalent	Awarded a Bachelor's degree or equivalent by a university or educational institution
8 Postgraduate Diploma/Certificate (Excluding Master's and Doctorate)	Awarded a postgraduate diploma or certificate by a university or postgraduate educational or training institution
9 Master's and Doctorate or Equivalent	Awarded a Master's or Doctoral degree or equivalent by a university or postgraduate educational institution
N Modular Certification (Non-Award Courses / Non-Full Qualifications)	Obtained a certificate or other qualification by a professional body or vocational institution
X Not Reported	-

4.6. In defining the broad groups of EQA, the certification used in Singapore's mainstream education system is used as a benchmark. This is an important consideration in identifying equivalent qualifications awarded by CET institutions. For instance, the full qualifications awarded under the Singapore Workforce Skills Qualifications (WSQ) system are classified and benchmarked to the equivalent educational qualifications in the mainstream education system. Qualifications awarded by professional bodies must be the result of fulfilling the requirements of structured educational programmes and meeting the appropriate standards. The levels of educational qualifications exclude certificates of course attendance and honorary qualifications which are not the result of structured learning and examination by an educational/training institution or professional body.

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

4.8. For instance, using the example of the six-year IP, the SSEC 2020 EQA of a student in the programme who has passed the relevant examination at the end of Year 4 and has been promoted to Year 5 is classified as '39 Other secondary education/certificates or equivalent' if there is a need to classify at this juncture, given that the progression and duration within an IP is similar to the conventional educational pathway with separate secondary and pre-university programmes.

4.9. As for the case when a student (after performing very well in the GCE N(A) Level examinations) had enrolled in and passed the foundation programme of PFP or NFP but has yet to complete the diploma programme, his/her SSEC 2020 EQA at this juncture is coded as '31 At least 1 subject pass at GCE 'N' Level'. Similarly, the same EQA code applies for a student who has enrolled in the DPP but not the Higher Nitec course.

4.10. As for a student who has enrolled in the ITE foundation programme of eNFP but has yet to complete the final Year 3 of Nitec course, his/her EQA at this juncture is classified based on whether he/she has zero or one subject pass at the GCE 'N' Level accordingly.

4.11. To be conferred a full qualification of a polytechnic post-diploma under SSEC 2020 EQA code '52', the participant needs to complete the relevant modular post-diploma certificate programmes and be awarded with the certificates which are acknowledgements that the participant has achieved a set of expertise that will enable him/her to perform in a certain job function. To avoid the confusion in classifying polytechnic post-diploma certificate versus the full qualification of polytechnic

post-diploma, the former has been added as an example in the relevant code title i.e. 'N2 At least 1 WSQ Statement of Attainment or other modular certificate at diploma level or equivalent (including polytechnic post-diploma certificate)'.

4.12. Corresponding to the changes made in the SSEC 2020 LEA classification, separate categories have been created for a Bachelor's first degree (code '71') and a long first degree (code '72') in the EQA classification. Similarly, some of the code titles for other qualification attained are amended for clarity and consistency. These include the titles for pre-primary code '02' (where 'Nursery, Kindergarten 1 and Kindergarten 2' is added), polytechnic post-diploma code '52' (where it is renamed from advanced diploma and the list of examples is refreshed), other locally or externally developed diploma code '62' and other post-diploma qualifications code '69'.

4.13. The WSQ Workplace Literacy and Numeracy (WPLN) programme was introduced in 2004. Each WPLN skill (Reading, Listening, Speaking, Writing and Numeracy) is assessed separately and the results span across a scale of eight proficiency levels, which are in turn pegged to primary, lower secondary and secondary qualifications in the SSEC 2020 EQA (namely codes '13', '24' and '35'). With the adoption of a new assessment system for the WPLN programme with effect from January 2020, the titles of these EQA codes have been amended to also include achievements attained with the SkillsFuture Singapore's appointed WPLN assessment partner at the respective WPLN proficiency levels as compared to the SSEC 2015 EQA.

4.14. A table comparing the EQA classification between SSEC 2020 and 2015 is given in [Appendix 3](#).

5. Classification of Field of Study

5.1. The field of study (FOS) refers to the principal discipline, branch or subject matter of study that leads to the award of a qualification attained at polytechnic or university levels. Vocational qualifications offered by education/training institutes or professional bodies at post-secondary levels may also be classified by FOS, where applicable.

5.2. The classification for FOS is a four-digit hierarchical structure comprising three levels, namely broad field (two-digit), narrow field (three-digit) and detailed field (four-digit). The broad field constitutes the highest level of aggregation in the FOS classification, with 15 categories in total, each denoted by digits from '01' to '99' or alphabets 'XX' in the SSEC 2020 FOS. Moving down the hierarchy, there are 60 three-digit narrow fields and 252 four-digit detailed fields. In comparison with SSEC 2015 FOS, the number of broad and narrow fields declined from 16 and 62 categories respectively, and increased from 249 categories for detailed fields.

5.3. The broad FOS are as follows:

SSEC 2020 FOS		SSEC 2015 FOS	
-		00	Generic Programmes and Qualifications
01	Education	01	Education
02	Fine and Applied Arts	02	Fine and Applied Arts
03	Humanities and Social Sciences	03	Humanities and Social Sciences
04	Mass Communication and Information Science	04	Mass Communication and Information Science
05	Business and Administration	05	Business and Administration
06	Law	06	Law
07	Natural and Mathematical Sciences	07	Natural, Physical, Chemical and Mathematical Sciences
08	Health Sciences	08	Health Sciences
09	Information Technology	09	Information Technology
10	Architecture, Building and Real Estate	10	Architecture, Building and Real Estate
11	Engineering Sciences	11	Engineering Sciences
12	Engineering, Manufacturing and Related Trades	12	Engineering, Manufacturing and Related Trades
13	Services	13	Services
99	Other Fields	99	Other Fields
XX	Not Reported	XX	Not Reported

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

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

5.5. At the three-digit level, if a given narrow field is not divided into more categories at the next detailed level of classification, then the last digit of the four-digit code for the only FOS at the next detailed level would be '0'. For instance, the detailed field 'Adult and Continuing Education and Training' is coded as '0130' in the SSEC 2020 FOS as the narrow field '013 Trainer Training' contains only one detailed field. Similarly, the code for the detailed FOS 'Building Trades' is '1040' as it is the only field within the narrow FOS '104 Building Trades'.

5.6. At the three- and four-digit levels, the digit '9' that appears in the last digit position denotes residual FOS grouped at the respective level of classification. These residual categories usually comprise a range of the less common types of FOS which are not significant enough to justify a separate code. They are classified in a separate category so that no FOS, however small or insignificant, is left out of the classification scheme. Their titles usually end with the term 'n.e.c.', which stands for 'not elsewhere classified'. For example, 'Humanities and Social Sciences Not Elsewhere Classified' in the SSEC 2020 FOS is coded as '039' and '0399' at the narrow and detailed FOS respectively. There are, however, a few exceptions as listed below where the digit '0' is used instead for the residual groups as they are the only group in the respective level of classification:

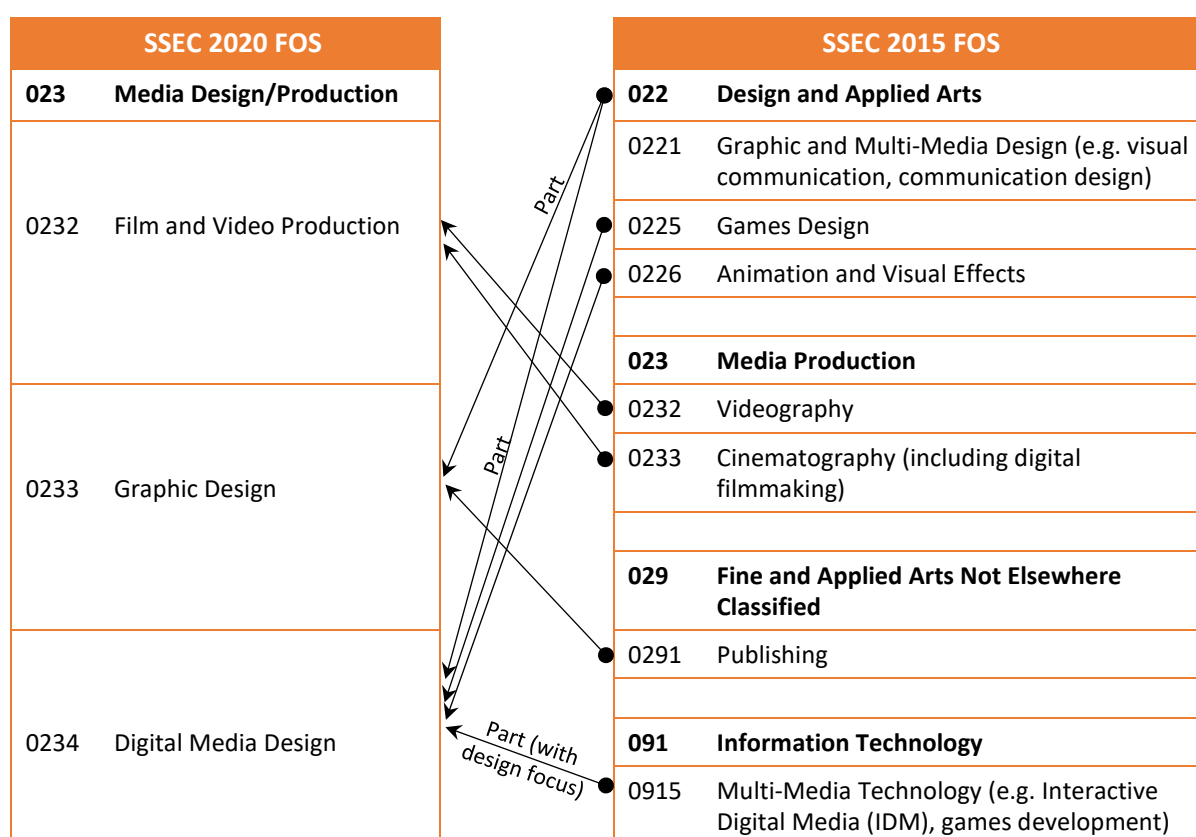
Narrow/Detailed Field	Title
0290	Fine and Applied Arts n.e.c.
0790	Natural and Mathematical Sciences n.e.c.
990	Other Fields Not Elsewhere Classified
9900	Other Fields n.e.c.

5.7. In classifying an educational programme by FOS, the main consideration is the theoretical content of the programme. In the case of inter- or multi-disciplinary programme (i.e. programme which combines a few narrow or even broad FOS), the various fields are to be recorded and coded if feasible. Otherwise, the 'majority rule' is to be applied. Based on the majority rule, an inter- or multi-disciplinary programme is to be classified to the FOS with the highest share of programme hours (i.e. the leading/main FOS). In practice, the number of modular credits may be used in place of programme hours. In line with the guidelines provided by ISCED-F 2013, inter-disciplinary programmes with more than one leading field or where there is insufficient information to determine the leading subject, the 'first-listed' rule is to be applied based on the field listed first in the title (or in the curriculum or syllabus if not listed in the title) of the programme or qualification.

5.8. The broad field of 'Generic Programmes and Qualifications' (comprising detailed fields of 'Basic Programmes and Qualifications', 'Literacy and Numeracy' and 'Personal Skills and Development') was introduced in the SSEC 2015 FOS to cover a

broad range of subjects with little or no specialisation in a particular field or fields, and to be aligned with ISCED-F 2013. However, as this broad generic SSEC FOS code has not been commonly used, the broad field of generic programmes and qualifications has been removed from the SSEC 2020 FOS.

5.9. There are also a number of streamlining, removal and creation of narrow and detailed codes in the SSEC 2020 FOS compared with SSEC 2015. For example, under the broad field '02 Fine and Applied Arts', some of the detailed fields are reorganised to better reflect the different types of arts/design related courses as well as the increasing use of technology. Consequently at the four-digit level, graphic design (including publishing design/layout) and related courses are coded as '0233 Graphic Design', which is a merger of two detailed fields in SSEC 2015 FOS as shown in the diagram below. Similarly, the SSEC 2020 FOS '0234 Digital Media Design' is an amalgamation of a few previous detailed FOS, including programmes such as interactive digital media (IDM) that are primarily design focused. For the detailed field '0232 Film and Video Production' in SSEC 2020 FOS, it encompasses both 'Videography' and 'Cinematography' due to their close field similarities, in line with ISCED-F 2013.



5.10. A table comparing the FOS classification between SSEC 2020 and 2015 is given in [Appendix 4](#). An alphabetical index of detailed FOS and their corresponding SSEC 2020 FOS codes is available on the [Statistics Singapore Website](#).

Part II: Classification

Structure of SSEC 2020

Classification of Level of Education Attending

SSEC 2020	Title
0	PRE-PRIMARY
00	Pre-Primary (i.e. Nursery, Kindergarten 1, Kindergarten 2)
1	PRIMARY
11	Primary 1
12	Primary 2
13	Primary 3
14	Primary 4
15	Primary 5
16	Primary 6
19	Other primary education or equivalent
2	SECONDARY
21	Secondary 1
22	Secondary 2
23	Secondary 3
24	Secondary 4
25	Secondary 5
26	ITE Skills Certificate (ISC)
27	Other secondary education or equivalent
28	Other skills certificate courses or equivalent (except ISC)
3	POST-SECONDARY (NON-TERTIARY): GENERAL AND VOCATIONAL
31	Pre-University 1 / Junior College 1 (general) (including Year 5 of Integrated Programme)
32	Pre-University 2 / Junior College 2 (general) (including Year 6 of Integrated Programme)
33	Pre-University 3 (general)
34	National ITE Certificate (Nitec)
35	Higher Nitec
36	Master Nitec
37	Other post-secondary (non-tertiary; general) education or equivalent
38	Other post-secondary (non-tertiary; vocational) education or equivalent (including advanced certificate courses)

SSEC 2020	Title
4	POLYTECHNIC DIPLOMA
41	Polytechnic diploma
42	Polytechnic post-diploma (including polytechnic advanced/specialist diploma, diploma (conversion))
5	PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA
51	ITE diploma
52	Other locally or externally developed diploma (including NIE diploma, SIM diploma, LASALLE diploma, NAFA diploma)
53	Qualification awarded by professional bodies (including ACCA, CFA)
59	Other post-diploma qualifications or equivalent
6	BACHELOR'S OR EQUIVALENT
61	First degree or equivalent
62	Long first degree or equivalent
7	POSTGRADUATE DIPLOMA/CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)
70	Postgraduate diploma/certificate (including NIE postgraduate diploma)
8	MASTER'S AND DOCTORATE OR EQUIVALENT
81	Master's degree or equivalent
82	Doctoral degree or equivalent
X	NOT REPORTED
XX	Not reported

Classification of Educational Qualification Attained

SSEC 2020	Title
0	NO FORMAL QUALIFICATION / PRE-PRIMARY / LOWER PRIMARY
01	Never attended school
02	Pre-Primary (i.e. Nursery, Kindergarten 1, Kindergarten 2)
03	Primary education without Primary School Leaving Examination (PSLE) /
	Primary School Proficiency Examination (PSPE) certificate or equivalent
04	Certificate in BEST 1-3
1	PRIMARY
11	Primary School Leaving Examination (PSLE) / Primary School Proficiency
	Examination (PSPE) certificate or equivalent
12	Certificate in BEST 4
13	At least 3 achievements* for different Workplace Literacy or Numeracy (WPLN)
	skills at Level 1 or 2
2	LOWER SECONDARY
21	Secondary education without any subject pass at GCE 'O'/'N' Level or equivalent
22	Certificate in WISE 1-3
23	Basic vocational certificate (including ITE Basic Vocational Training)
24	At least 3 achievements* for different Workplace Literacy or Numeracy (WPLN)
	skills at Level 3 or 4
3	SECONDARY
31	At least 1 subject pass at GCE 'N' Level
32	At least 1 subject pass at GCE 'O' Level
33	National ITE Certificate (Intermediate) or equivalent (including National Technical
	Certificate (NTC) Grade 3, Certificate of Vocational Training, BCA Builder
	Certificate)
34	ITE Skills Certificate (ISC) or equivalent (including Certificate of Competency,
	Certificate in Service Skills)
35	At least 3 achievements* for different Workplace Literacy or Numeracy (WPLN)
	skills at Level 5 and above
39	Other secondary education/certificates or equivalent

* These refers to both WSQ Statement of Attainment and/or certification issued by SkillsFuture Singapore's appointed WPLN assessment partner.

SSEC 2020	Title
4	POST-SECONDARY (NON-TERTIARY): GENERAL AND VOCATIONAL
41	At least 1 subject pass at GCE 'A'/'H2' Level or equivalent (general)
42	National ITE Certificate (Nitec) or equivalent (including Post Nitec Certificate, Specialist Nitec, Certificate in Office Skills, National Technical Certificate (NTC) Grade 2, National Certificate in Nursing, BCA Advanced Builder Certificate)
43	Higher Nitec or equivalent (including Certificate in Business Skills, Industrial Technician Certificate)
44	Master Nitec or equivalent (including NTC Grade 1)
45	WSQ Certificate or equivalent
46	WSQ Higher Certificate or equivalent
47	WSQ Advanced Certificate or equivalent
48	Other post-secondary (non-tertiary; general) qualifications or equivalent (including International Baccalaureate / NUS High School Diploma)
49	Other post-secondary (non-tertiary; vocational) certificates/qualifications or equivalent (including SIM certificate)
5	POLYTECHNIC DIPLOMA
51	Polytechnic diploma
52	Polytechnic post-diploma (including polytechnic advanced/specialist/management/graduate diploma, diploma (conversion))
6	PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA
61	ITE diploma
62	Other locally or externally developed diploma (including NIE diploma, SIM diploma, LASALLE diploma, NAFA diploma)
63	Qualification awarded by professional bodies (including ACCA, CFA)
64	WSQ diploma
65	WSQ specialist diploma
69	Other post-diploma qualifications or equivalent
7	BACHELOR'S OR EQUIVALENT
71	First degree or equivalent
72	Long first degree or equivalent

SSEC 2020	Title
8	POSTGRADUATE DIPLOMA/CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)
81	Postgraduate diploma/certificate (including NIE postgraduate diploma)
82	WSQ graduate certificate
83	WSQ graduate diploma
9	MASTER'S AND DOCTORATE OR EQUIVALENT
91	Master's degree or equivalent
92	Doctoral degree or equivalent
N	MODULAR CERTIFICATION (NON-AWARD COURSES / NON-FULL QUALIFICATIONS)
N1	At least 1 WSQ Statement of Attainment or ITE modular certificate at post-secondary level (non-tertiary) or equivalent
N2	At least 1 WSQ Statement of Attainment or other modular certificate at diploma level or equivalent (including polytechnic post-diploma certificate)
N3	At least 1 WSQ Statement of Attainment or other modular certificate at degree level or equivalent
N4	At least 1 WSQ Statement of Attainment or other modular certificate at postgraduate level or equivalent
N9	Other statements of attainment, modular certificates or equivalent
X	NOT REPORTED
XX	Not reported

SSEC 2020	Title
01	EDUCATION
011	TEACHER TRAINING
0111	General Teacher Training
0112	Early Childhood Education (for childcare, infant, playgroup, pre-nursery, nursery and kindergarten classes)
0113	Special Education
0114	Physical Education
0119	Teacher Training n.e.c.
012	EDUCATION SCIENCE
0121	Education Management and Administration
0122	Curriculum Development
0123	Educational Assessment
0124	Educational Psychology
0125	Educational Technology
0129	Education Science n.e.c.
013	TRAINER TRAINING
0130	Adult and Continuing Education and Training
02	FINE AND APPLIED ARTS
021	FINE AND PERFORMING ARTS
0211	Fine Arts
0212	Music
0213	Drama (including theatre studies)
0214	Dance
0219	Fine and Performing Arts n.e.c.

Classification of Field of Study

SSEC 2020	Title
022	3D DESIGN
0221	Fashion Design
0222	Interior Design
0223	Product/Industrial Design
0229	3D Design n.e.c.
023	MEDIA DESIGN/PRODUCTION
0231	Photography
0232	Film and Video Production
0233	Graphic Design
0234	Digital Media Design
0239	Media Design/Production n.e.c.
029	FINE AND APPLIED ARTS NOT ELSEWHERE CLASSIFIED
0290	Fine and Applied Arts n.e.c.
03	HUMANITIES AND SOCIAL SCIENCES
031	LANGUAGE AND CULTURAL STUDIES
0311	English Studies
0312	Malay Studies
0313	Chinese Studies
0314	Tamil Studies
0315	Cultural Studies
0316	Translation and Interpretation
0317	Linguistics
0319	Language and Cultural Studies n.e.c.
032	BEHAVIOURAL SCIENCE
0321	Sociology and Anthropology
0322	Psychology
0329	Behavioural Science n.e.c.

Classification of Field of Study

SSEC 2020	Title
033	ECONOMICS
0330	Economics
034	SOCIAL WORK
0341	Social and Community Services (including family social work)
0342	Student Care (including supervised care for children before/after school, student counselling)
0343	Youth Services
0344	Counselling
0345	Care for the Aged
0346	Care for the Disabled and Special Needs
0349	Social Work n.e.c.
039	HUMANITIES AND SOCIAL SCIENCES NOT ELSEWHERE CLASSIFIED
0391	Religious Studies
0392	Philosophy
0393	Geography (including cartography)
0394	Political Science
0395	History
0399	Humanities and Social Sciences n.e.c. (including regional studies, international relations)
04	MASS COMMUNICATION AND INFORMATION SCIENCE
041	MASS COMMUNICATION
0411	Mass Communication (including radio, TV broadcasting and new media)
0412	Public Relations
0413	Journalism
042	INFORMATION SCIENCE
0421	Information Science (including library science, knowledge management)
0422	Curatorial Studies (including archival studies, museum studies)

SSEC 2020	Title
05	BUSINESS AND ADMINISTRATION
051	ADMINISTRATION AND MANAGEMENT
0511	Business Management
0512	Human Resource Management
0513	Industrial Management
0514	Operations/Logistics Management
0515	Public and Institution Management
0516	Hospitality and Tourism Management
0517	Arts and Events Management
0518	Leadership
0519	Administration and Management n.e.c.
052	ACCOUNTANCY
0521	Accountancy
0522	Auditing
0523	Bookkeeping
0524	Tax accounting
053	BANKING, INSURANCE AND FINANCIAL SERVICES
0531	Banking and Finance
0532	Insurance
0533	Actuarial Science
0534	Investment and Securities
0539	Banking, Insurance and Financial Services n.e.c. (including computational finance)
054	SALES AND MARKETING
0541	Marketing
0542	Advertising
0543	Retailing and Wholesaling
0544	Merchandising
0549	Sales and Marketing n.e.c.

Classification of Field of Study

SSEC 2020	Title
055	MANAGEMENT SUPPORT SERVICES
0551	Secretarial/Office Skills
0552	Keyboarding and Shorthand/Stenography
0559	Management Support Services n.e.c.
059	BUSINESS AND ADMINISTRATION NOT ELSEWHERE CLASSIFIED
0591	E-commerce Management
0592	Entrepreneurship and Innovation Studies
0599	Business and Administration n.e.c.
06	LAW
060	LAW
0601	Law
0602	Legal Studies
07	NATURAL AND MATHEMATICAL SCIENCES
071	BIOLOGICAL SCIENCES AND TECHNOLOGIES
0711	Biology (including botany, zoology)
0712	Physiology
0713	Biochemistry
0714	Microbiology
0715	Biotechnology
0716	Food Science and Technology
0717	Environmental Science
0719	Biological Sciences and Technologies n.e.c. (including cell and molecular biology, computational biology)

Classification of Field of Study

SSEC 2020	Title
072	PHYSICAL SCIENCES AND TECHNOLOGIES
0721	Chemistry (including applied chemistry)
0722	Physics (including applied physics)
0723	Materials Science
0729	Physical Sciences and Technologies n.e.c. (including computational chemistry, computational physics)
073	AGRICULTURE AND FISHERY
0731	Agricultural Science (including agrobiolology)
0732	Fishery
0733	Horticulture
0734	Forestry
074	VETERINARY SCIENCES
0741	Veterinary Sciences
0742	Veterinary Support Services
075	MATHEMATICS AND STATISTICS
0751	Mathematics (including applied mathematics)
0752	Statistics
0753	Data Science and Analytics
0759	Mathematics and Statistics n.e.c. (including computational mathematics)
079	NATURAL AND MATHEMATICAL SCIENCES NOT ELSEWHERE CLASSIFIED
0790	Natural and Mathematical Sciences n.e.c.
08	HEALTH SCIENCES
081	GENERAL MEDICAL SCIENCES
0811	General Medicine (including internal/occupational/public health/family and community medicine)
0812	General Surgery

Classification of Field of Study

SSEC 2020	Title
082	SPECIALISED MEDICAL SCIENCES
0821	Obstetrics and Gynaecology
0822	Paediatrics
0823	Anaesthesiology
0824	Radiology
0825	Psychiatry
0826	Orthopaedics
0827	Ophthalmology
0828	Cardiology
0829	Specialised Medical Sciences n.e.c.
083	DENTISTRY
0831	General Dentistry
0832	Specialised Dentistry
0833	Oral Health Therapy
0834	Dental Sciences/Auxiliary
084	NURSING AND HEALTH CARE
0841	Nursing
0842	Health care
085	PHARMACY
0850	Pharmacy
086	THERAPY AND REHABILITATION
0861	Traditional and Complementary Medicine and Therapy
0862	Physiotherapy
0863	Occupational Therapy
0864	Speech and Audiology Therapy
0869	Therapy and Rehabilitation n.e.c.

Classification of Field of Study

SSEC 2020	Title
087	MEDICAL DIAGNOSTIC AND TREATMENT TECHNOLOGY
0871	Radiography
0872	Medical Laboratory Technology
0873	Cardiac Technology
0879	Medical Diagnostic and Treatment Technology n.e.c.
089	HEALTH SCIENCES NOT ELSEWHERE CLASSIFIED
0891	Nutrition and Dietetics
0892	Public Health
0893	Optometry
0894	Biomedical Science
0899	Health Sciences n.e.c.
09	INFORMATION TECHNOLOGY
091	INFORMATION TECHNOLOGY
0911	Computer Science
0912	Information Systems (including Management Information Systems (MIS), system design)
0913	Software Engineering
0914	Business Information Technology (including e-commerce technology, business information systems)
0915	Multi-Media Technology
0916	Internet Technology
0917	Infocomm Security
0919	Information Technology n.e.c.
092	COMPUTER OPERATIONS/TECHNICAL SUPPORT
0920	Computer Operations/Technical Support

SSEC 2020	Title
10	ARCHITECTURE, BUILDING AND REAL ESTATE
101	ARCHITECTURE AND URBAN PLANNING
1011	Architecture
1012	Landscape Architecture
1013	Architectural Technology
1014	Town/Urban Planning
1015	Environmental Planning and Design
1016	Sustainable Building Design
102	SURVEYING
1021	Land Surveying
1022	Quantity Surveying
1023	Building Surveying and Inspection
1029	Surveying n.e.c.
103	BUILDING SCIENCE AND MANAGEMENT
1031	Building Science and Technology
1032	Building Construction Management
1033	Building/Estate/Property Management
1039	Building Science and Management n.e.c. (including contract management)
104	BUILDING TRADES
1040	Building Trades
109	ARCHITECTURE, BUILDING AND REAL ESTATE NOT ELSEWHERE CLASSIFIED
1091	Architectural Drafting
1092	Real Estate (including valuation)
1099	Architecture, Building and Real Estate n.e.c.

SSEC 2020	Title
11	ENGINEERING SCIENCES
111	CHEMICAL ENGINEERING
1111	Chemical Engineering (including chemical process engineering)
1112	Polymer Engineering and Technology
1113	Industrial Chemical Technology
1119	Chemical Engineering n.e.c.
112	CIVIL ENGINEERING
1121	Civil Engineering
1122	Structural Engineering
1123	Geotechnical Engineering
1124	Hydraulics Engineering
1125	Transportation Engineering
1126	Environmental Engineering (including public health, water resources engineering)
1129	Civil Engineering n.e.c. (including construction engineering, construction technology and materials)
113	ELECTRICAL AND ELECTRONICS ENGINEERING
1131	Electronics Engineering
1132	Electrical Engineering (including power engineering)
1133	Communications Engineering (including wireless technology)
1134	Microelectronics
1135	Computer Engineering
1136	Engineering for Clean/Renewable/Sustainable Energy
1139	Electrical and Electronics Engineering n.e.c.
114	MECHANICAL ENGINEERING
1141	Mechanical Engineering
1142	Aeronautical Engineering (including aerospace electronics)
1143	Automotive Engineering
1144	Thermal Engineering
1145	Mechatronics
1149	Mechanical Engineering n.e.c.

Classification of Field of Study

SSEC 2020	Title
115	MARINE ENGINEERING
1151	Marine Engineering
1152	Shipbuilding Engineering
1153	Naval Architecture
1159	Marine Engineering n.e.c.
116	MANUFACTURING AND RELATED ENGINEERING
1161	Manufacturing/Production Engineering
1162	Industrial Engineering
1163	Materials Engineering
1164	Precision Engineering
1165	Quality Assurance Engineering
1169	Manufacturing and Related Engineering n.e.c.
119	ENGINEERING SCIENCES NOT ELSEWHERE CLASSIFIED
1191	Metallurgical Engineering
1192	Building Services Engineering
1193	Biomedical Engineering
1199	Engineering Sciences n.e.c.
12	ENGINEERING, MANUFACTURING AND RELATED TRADES
121	ENGINEERING TRADES
1211	Electrical/Electronics Installation and Servicing (including air-conditioning and refrigeration)
1212	Mechanical Installation and Servicing
1213	Precision Machine Technology
1214	Motor Vehicle Mechanics
1215	Aircraft Mechanics
1216	Marine Engineering Mechanics
1219	Engineering Trades n.e.c. (including welding, pipe and steel fabrication)

Classification of Field of Study

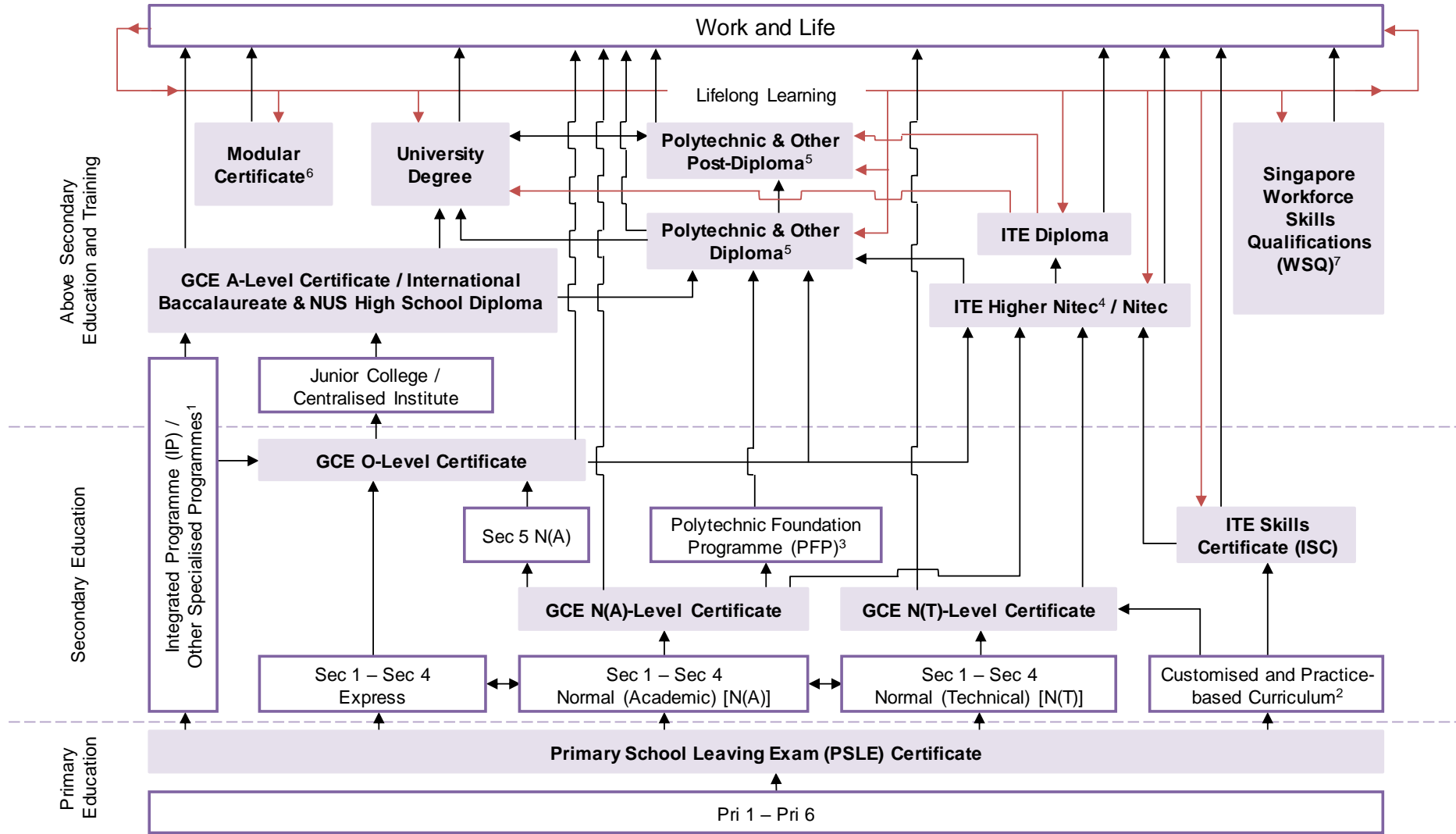
SSEC 2020	Title
122	MANUFACTURING TRADES
1221	Manufacture of Electronic Products and Components
1222	Printing Crafts
1223	Furniture Production/Carpentry
1224	Footwear/Textile/Clothing Production
1229	Manufacturing Trades n.e.c.
129	ENGINEERING, MANUFACTURING AND RELATED TRADES NOT ELSEWHERE CLASSIFIED
1291	Civil and Structural Drafting
1292	Electrical Drafting
1293	Mechanical Drafting
1299	Engineering, Manufacturing and Related Trades n.e.c.
13	SERVICES
131	PERSONAL SERVICES
1311	Hairdressing
1312	Beauty Services
1313	Fashion Garment/Garment Patternmaking
1314	Domestic Science
1319	Personal Services n.e.c.
132	FOOD SERVICES
1321	Culinary Skills/Arts (including food preparation)
1322	Pastry Making and Baking Skills
1323	Food and Beverage Management/Services
1329	Food Services n.e.c.
133	HOSPITALITY SERVICES
1331	Front Office Operations
1332	Accommodation Services
1333	Housekeeping
1334	Travel/Tourism Services
1339	Hospitality Services n.e.c.

Classification of Field of Study

SSEC 2020	Title
134	TRANSPORT SERVICES
1341	Maritime Studies (including nautical studies, maritime transportation)
1342	Aircraft Operation
1343	Air Traffic Control
1349	Transport Services n.e.c.
135	SAFETY AND SECURITY SERVICES
1351	Police Studies and Security Management
1352	Civil Defence
1353	Hotel Security
1354	Occupational Safety Management (including fire and safety management)
1359	Safety and Security Services n.e.c.
136	SPORTS AND RECREATION SERVICES
1361	Sports and Recreation Studies
1362	Fitness Training and Sports Coaching
1369	Sports and Recreation Services n.e.c. (including Sports Management)
99	OTHER FIELDS
990	OTHER FIELDS NOT ELSEWHERE CLASSIFIED
9900	Other Fields n.e.c.
XX	NOT REPORTED
XXX	NOT REPORTED
XXXX	Not Reported

Part III: Appendices

Appendix 1: Singapore Education System with Continuing Education and Training System



¹ Other specialised programmes include specialised education that is catered to students with talents and strong interests in specific fields, such as the arts, sports, mathematics and science, and applied learning.

² This refers to customised programmes offered by Specialised Schools for students who are inclined towards hands-on and practical learning. These schools include NorthLight School, Assumption Pathway School, Crest Secondary School and Spectra Secondary School.

³ PFP is a one-year programme in lieu of the Sec 5 N(A), offered to polytechnic-bound Sec 4 N(A) graduates to better prepare them for entry into the relevant diploma courses in polytechnics.

⁴ ITE Higher Nitec is offered to both GCE O- and N(A)-Level graduates. The better performers among the Sec 4 N(A) graduates are able to advance to Higher Nitec via Direct-Entry-Scheme to Polytechnic Programme (DPP) which guarantees them a place in a polytechnic diploma course mapped to their Higher Nitec course.

⁵ This refers to diploma/post-diploma offered by polytechnics and other institutions (e.g. NIE, LASALLE and NAFA).

⁶ This refers to modular and short courses offered at universities, polytechnics, ITE and Private Education Institutions (PEIs).

⁷ This refers to WSQ full qualifications and WSQ Statements of Attainment offered by WSQ training providers accredited by SkillsFuture Singapore.

Appendix 2: Comparison between SSEC 2020 and SSEC 2015 – Level of Education Attending

SSEC 2020 LEA		SSEC 2015 LEA	
0	PRE-PRIMARY	0	PRE-PRIMARY
00	Pre-Primary (i.e. Nursery, Kindergarten 1, Kindergarten 2)	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 n.e.c.
2	SECONDARY	2	SECONDARY
21	Secondary 1	21	Secondary 1
22	Secondary 2	22	Secondary 2
23	Secondary 3	23	Secondary 3
24	Secondary 4	24	Secondary 4
25	Secondary 5	25	Secondary 5
26	ITE Skills Certificate (ISC)	26	ITE Skills Certificate (ISC)
27	Other secondary education or equivalent	27	Other secondary education or equivalent
28	Other skills certificate courses or equivalent (except ISC)	28	Other skills certificate courses or equivalent (except ISC)

SSEC 2020 LEA		SSEC 2015 LEA	
3	POST-SECONDARY (NON-TERTIARY): GENERAL AND VOCATIONAL	3	POST-SECONDARY (NON-TERTIARY): GENERAL AND VOCATIONAL
31	Pre-University 1 / Junior College 1 (general) (including Year 5 of Integrated Programme)	31	Pre-University 1 / Junior College 1 (General) (including Year 1 of Integrated Programme)
32	Pre-University 2 / Junior College 2 (general) (including Year 6 of Integrated Programme)	32	Pre-University 2 / Junior College 2 (General)
33	Pre-University 3 (General)	33	Pre-University 3 (General)
34	National ITE Certificate (Nitec)	34	National ITE Certificate (Nitec)
35	Higher Nitec	35	Higher Nitec
36	Master Nitec	36	Master Nitec
37	Other post-secondary (non-tertiary; general) education or equivalent	37	Other post-secondary (non-tertiary; General) education or equivalent
38	Other post-secondary (non-tertiary; vocational) education or equivalent (including advanced certificate courses)	38	Other post-secondary (non-tertiary; Vocational) education or equivalent (eg advanced certificate courses)
4	POLYTECHNIC DIPLOMA	4	POLYTECHNIC DIPLOMA COURSE
41	Polytechnic diploma	41	Polytechnic diploma
42	Polytechnic post-diploma (including polytechnic advanced/specialist diploma, diploma (conversion))	42	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/management/graduate diploma)
5	PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA	5	OTHER COURSES LEADING TO AWARD OF PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA
51	ITE diploma	51	ITE diploma
52	Other locally or externally developed diploma (including NIE diploma, SIM diploma, LASALLE diploma, NAFA diploma)	52	Other diploma (eg NIE diploma, SIM diploma, LASALLE-SIA diploma, NAFA diploma or equivalent)

SSEC 2020 LEA		SSEC 2015 LEA	
53	Qualification awarded by professional bodies (including ACCA, CFA)	53	Qualifications awarded by professional bodies
59	Other post-diploma qualifications or equivalent	59	Other advanced diploma, post diploma qualifications or equivalent n.e.c.
6	BACHELOR'S OR EQUIVALENT	6	BACHELOR'S OR EQUIVALENT
61	First degree or equivalent	60	Bachelor's degree or equivalent (including NIE bachelor degree with diploma in education)
62	Long first degree or equivalent		
7	POSTGRADUATE DIPLOMA/CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)	7	POSTGRADUATE DIPLOMA/CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)
70	Postgraduate diploma/certificate (including NIE postgraduate diploma)	70	Postgraduate diploma/certificate (including NIE postgraduate diploma)
8	MASTER'S AND DOCTORATE OR EQUIVALENT	8	MASTER'S AND DOCTORATE OR EQUIVALENT
81	Master's degree or equivalent	81	Master's or equivalent
82	Doctoral degree or equivalent	82	Doctorate or equivalent
X	NOT REPORTED	X	NOT REPORTED
XX	Not Reported	XX	Not Reported

Appendix 3: Comparison between SSEC 2020 and SSEC 2015 – Educational Qualification Attained

SSEC 2020 EQA		SSEC 2015 EQA	
0	NO FORMAL QUALIFICATION / PRE-PRIMARY / LOWER PRIMARY	0	NO FORMAL QUALIFICATION / PRE-PRIMARY / LOWER PRIMARY
01	Never attended school	01	Never attended school
02	Pre-Primary (i.e. Nursery, Kindergarten 1, Kindergarten 2)	02	Pre-primary / Kindergarten education
03	Primary education without Primary School Leaving Examination (PSLE) / Primary School Proficiency Examination (PSPE) certificate or equivalent	03	Primary education without PSLE / PSPE certification or their equivalent
04	Certificate in BEST 1-3	04	Certificate in BEST 1-3
1	PRIMARY	1	PRIMARY
11	Primary School Leaving Examination (PSLE) / Primary School Proficiency Examination (PSPE) certificate or equivalent	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 achievements* for different Workplace Literacy or Numeracy (WPLN) skills at Level 1 or 2	13	At least 3 WSQ Statements of Attainment in Workplace Literacy or Numeracy (WPLN) at Level 1 or 2 (eg under ESS, ES)
2	LOWER SECONDARY	2	LOWER SECONDARY
21	Secondary education without any subject pass at GCE 'O'/'N' Level or 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 certificate (including ITE Basic Vocational Training)	23	Basic vocational certificates (including ITE Basic Vocational Training)
24	At least 3 achievements* for different Workplace Literacy or Numeracy (WPLN) skills at Level 3 or 4	24	At least 3 WSQ Statements of Attainment in Workplace Literacy or Numeracy (WPLN) at Level 3 or 4 (eg under ESS, ES)

SSEC 2020 EQA		SSEC 2015 EQA	
3	SECONDARY	3	SECONDARY
31	At least 1 subject pass at GCE 'N' Level	31	At least 1 GCE 'N' Level pass
32	At least 1 subject pass at GCE 'O' Level	32	At least 1 GCE 'O' Level pass
33	National ITE Certificate (Intermediate) or equivalent (including National Technical Certificate (NTC) Grade 3, Certificate of Vocational Training, BCA Builder Certificate)	33	National ITE Certificate (Intermediate) or equivalent (eg National Technical Certificate Grade 3, Certificate of Vocational Training, BCA Builder Certificate)
34	ITE Skills Certificate (ISC) or equivalent (including Certificate of Competency, Certificate in Service Skills)	34	ITE Skills Certificate (ISC) or equivalent (eg Certificate of Competency, Certificate in Service Skills)
35	At least 3 achievements* for different Workplace Literacy or Numeracy (WPLN) skills at Level 5 and above	35	At least 3 WSQ Statements of Attainment in Workplace Literacy or Numeracy (WPLN) at Level 5 and above (eg under ESS, ES)
39	Other secondary education/certificates or equivalent	39	Other certificates or qualifications of equivalent standard (secondary) n.e.c.
4	POST-SECONDARY (NON-TERTIARY): GENERAL AND VOCATIONAL	4	POST-SECONDARY (NON-TERTIARY): GENERAL & VOCATIONAL
41	At least 1 subject pass at GCE 'A'/'H2' Level or equivalent (general)	41	At least 1 GCE 'A'/'H2' Level pass or equivalent (General)
42	National ITE Certificate (Nitec) or equivalent (including Post Nitec Certificate, Specialist Nitec, Certificate in Office Skills, National Technical Certificate (NTC) Grade 2, National Certificate in Nursing, BCA Advanced Builder Certificate)	42	National ITE Certificate (Nitec) or equivalent (eg Post Nitec Certificate, Specialist Nitec, Certificate in Office Skills, National Technical Certificate Grade 2, National Certificate in Nursing, Advanced Builder Certificate)
43	Higher Nitec or equivalent (including Certificate in Business Skills, Industrial Technician Certificate)	43	Higher Nitec, including Certificate in Business Skills, Industrial Technician Certificate and other polytechnic certificates
44	Master Nitec or equivalent (including NTC Grade 1)	44	Master Nitec or equivalent (eg National Technical Certificate Grade 1)
45	WSQ Certificate or equivalent	45	WSQ Certificate or equivalent
46	WSQ Higher Certificate or equivalent	46	WSQ Higher Certificate or equivalent
47	WSQ Advanced Certificate or equivalent	47	WSQ Advanced Certificate or equivalent

SSEC 2020 EQA		SSEC 2015 EQA	
48	Other post-secondary (non-tertiary; general) qualifications or equivalent (including International Baccalaureate / NUS High School Diploma)	48	Other post-secondary (non-tertiary; General) qualifications, including International Baccalaureate / High School Diploma
49	Other post-secondary (non-tertiary; vocational) certificates/qualifications or equivalent (including SIM certificate)	49	Other post-secondary (non-tertiary; Vocational) certificates (eg SIM certificates) qualifications
5	POLYTECHNIC DIPLOMA	5	POLYTECHNIC DIPLOMA
51	Polytechnic diploma	51	Polytechnic diploma
52	Polytechnic post-diploma (including polytechnic advanced/specialist/management/graduate diploma, diploma (conversion))	52	Polytechnic advanced diploma (including polytechnic advanced/post/specialist/management/graduate diploma)
6	PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA	6	PROFESSIONAL QUALIFICATION AND OTHER DIPLOMA
61	ITE diploma	61	ITE diploma
62	Other locally or externally developed diploma (including NIE diploma, SIM diploma, LASALLE diploma, NAFA diploma)	62	Diploma qualifications (eg NIE diploma, SIM diploma, LaSalle-SIA diploma, NAFA diploma)
63	Qualification awarded by professional bodies (including ACCA, CFA)	63	Qualifications awarded by professional bodies
64	WSQ diploma	64	WSQ diploma
65	WSQ specialist diploma	65	WSQ specialist diploma
69	Other post-diploma qualifications or equivalent	69	Other advanced diploma, post-diploma qualifications or equivalent n.e.c.
7	BACHELOR'S OR EQUIVALENT	7	BACHELOR'S OR EQUIVALENT
71	First degree or equivalent	70	Bachelor's degree or equivalent
72	Long first degree or equivalent		

SSEC 2020 EQA		SSEC 2015 EQA	
8	POSTGRADUATE DIPLOMA/CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)	8	POSTGRADUATE DIPLOMA / CERTIFICATE (EXCLUDING MASTER'S AND DOCTORATE)
81	Postgraduate diploma/certificate (including NIE postgraduate diploma)	81	Postgraduate diploma (including NIE postgraduate diploma)
82	WSQ graduate certificate	82	WSQ graduate certificate
83	WSQ graduate diploma	83	WSQ graduate diploma
9	MASTER'S AND DOCTORATE OR EQUIVALENT	9	MASTER'S AND DOCTORATE OR EQUIVALENT
91	Master's degree or equivalent	91	Master's or equivalent
92	Doctoral degree or equivalent	92	Doctorate or equivalent
N	MODULAR CERTIFICATION (NON-AWARD COURSES / NON-FULL QUALIFICATIONS)	N	MODULAR CERTIFICATION (NON-AWARD COURSES / NON-FULL QUALIFICATIONS)
N1	At least 1 WSQ Statement of Attainment or ITE modular certificate at post-secondary level (non-tertiary) or equivalent	N1	At least 1 WSQ Statement of Attainment or ITE modular certificate at Post-Secondary Level (Non-Tertiary) or equivalent
N2	At least 1 WSQ Statement of Attainment or other modular certificate at diploma level or equivalent (including polytechnic post-diploma certificate)	N2	At least 1 WSQ Statement of Attainment or other modular certificate at Diploma Level or equivalent
N3	At least 1 WSQ Statement of Attainment or other modular certificate at degree level or equivalent	N3	At least 1 WSQ Statement of Attainment or other modular certificate at Degree Level or equivalent
N4	At least 1 WSQ Statement of Attainment or other modular certificate at postgraduate level or equivalent	N4	At least 1 WSQ Statement of Attainment or other modular certificate at Postgraduate Level or equivalent
N9	Other statements of attainment, modular certificates or equivalent	N9	Other Statement of Attainment, modular certificate or equivalent n.e.c.
X	NOT REPORTED	X	NOT REPORTED
XX	Not Reported	XX	Not Reported

* These refers to both WSQ Statement of Attainment and/or certification issued by SkillsFuture Singapore's appointed WPLN assessment partner.

Appendix 4: Comparison between SSEC 2020 and SSEC 2015 – Field of Study

SSEC 2020 FOS		SSEC 2015 FOS	
		00	GENERIC PROGRAMMES AND QUALIFICATIONS
		000	GENERIC PROGRAMMES AND QUALIFICATIONS
		0001	Basic Programmes and Qualifications
		0002	Literacy and Numeracy
		0003	Personal Skills and Development
01	EDUCATION	01	EDUCATION
011	TEACHER TRAINING	011	TEACHER TRAINING
0111	General Teacher Training	0111	General Teacher Training
0112	Early Childhood Education (for childcare, infant, playgroup, pre-nursery, nursery and kindergarten classes)	0112	Early Childhood Education
0113	Special Education	0113	Special Education
0114	Physical Education	0114	Physical Education
0119	Teacher Training n.e.c.	0119	Teacher Training n.e.c.
012	EDUCATION SCIENCE	012	EDUCATION SCIENCE
0121	Education Management and Administration	0121	Education Management & Administration
0122	Curriculum Development	0122	Curriculum Development
0123	Educational Assessment	0123	Educational Assessment
0124	Educational Psychology	0124	Educational Psychology
0125	Educational Technology	0125	Educational Technology
0129	Education Science n.e.c.	0129	Education Science n.e.c.

SSEC 2020 FOS		SSEC 2015 FOS	
013	TRAINER TRAINING	013	TRAINER TRAINING
0130	Adult and Continuing Education and Training	0130	Adult & Continuing Education and Training
02	FINE AND APPLIED ARTS	02	FINE AND APPLIED ARTS
021	FINE AND 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 and Performing Arts n.e.c.	0219	Fine & Performing Arts n.e.c.
022	3D DESIGN	022	DESIGN & APPLIED ARTS
0221	Fashion Design	0221	Graphic & Multi-Media Design (eg visual communication, communication design)
0222	Interior Design	0222	Fashion Design
0223	Product/Industrial Design	0223	Interior Design
0229	3D Design n.e.c.	0224	Product/Industrial Design
		0225	Games Design
		0226	Animation and Visual Effects
		0229	Design & Applied Arts n.e.c.
023	MEDIA DESIGN/PRODUCTION	023	MEDIA PRODUCTION
0231	Photography	0231	Photography
0232	Film and Video Production	0232	Videography

SSEC 2020 FOS		SSEC 2015 FOS	
0233	Graphic Design	0233	Cinematography (including digital filmmaking)
0234	Digital Media Design	0239	Media Production n.e.c.
0239	Media Design/Production n.e.c.		
029	FINE AND APPLIED ARTS NOT ELSEWHERE CLASSIFIED	029	FINE & APPLIED ARTS NOT ELSEWHERE CLASSIFIED
0290	Fine and Applied Arts n.e.c.	0291	Publishing
		0299	Fine & Applied Arts n.e.c.
03	HUMANITIES AND SOCIAL SCIENCES	03	HUMANITIES & SOCIAL SCIENCES
031	LANGUAGE AND 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
0315	Cultural Studies	0319	Language & Cultural Studies n.e.c. (eg applied linguistics)
0316	Translation and Interpretation		
0317	Linguistics		
0319	Language and Cultural Studies n.e.c.		
032	BEHAVIOURAL SCIENCE	032	BEHAVIOURAL SCIENCE
0321	Sociology and Anthropology	0321	Sociology & Anthropology
0322	Psychology	0322	Psychology
0329	Behavioural Science n.e.c.	0329	Behavioural Science n.e.c. (eg criminology)

SSEC 2020 FOS		SSEC 2015 FOS	
033	ECONOMICS	033	ECONOMICS
0330	Economics	0330	Economics
034	SOCIAL WORK	034	SOCIAL AND COMMUNITY SERVICES
0341	Social and Community Services (including family social work)	0341	Social Work
0342	Student Care (including supervised care for children before/after school, student counselling)	0342	Student Care (eg supervised care for children before/after school, student counselling)
0343	Youth Services	0343	Youth Care (eg engaging at-risk youths, mentoring youths)
0344	Counselling	0344	Counselling
0345	Care for the Aged		
0346	Care for the Disabled and Special Needs		
0349	Social Work n.e.c.		
039	HUMANITIES AND SOCIAL SCIENCES NOT ELSEWHERE CLASSIFIED	039	HUMANITIES & SOCIAL SCIENCES NOT ELSEWHERE CLASSIFIED
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 and Social Sciences n.e.c. (including regional studies, international relations)	0399	Humanities & Social Sciences n.e.c. (including regional studies, international relations, demography, labour studies)
04	MASS COMMUNICATION AND INFORMATION SCIENCE	04	MASS COMMUNICATION AND INFORMATION SCIENCE
041	MASS COMMUNICATION	041	MASS COMMUNICATION

SSEC 2020 FOS		SSEC 2015 FOS	
0411	Mass Communication (including radio, TV broadcasting and new media)	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, knowledge management)	0421	Information Science (including library science)
0422	Curatorial Studies (including archival studies, museum studies)	0422	Curatorial Studies (including archival studies, museum studies)
05	BUSINESS AND ADMINISTRATION	05	BUSINESS AND ADMINISTRATION
051	ADMINISTRATION AND 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 and Tourism Management
0517	Arts and Events Management	0517	Arts & Events Management
0518	Leadership	0519	Administration & Management n.e.c.
0519	Administration and Management n.e.c.		
052	ACCOUNTANCY	052	ACCOUNTANCY
0521	Accountancy	0521	Accountancy

SSEC 2020 FOS		SSEC 2015 FOS	
0522	Auditing	0522	Auditing
0523	Bookkeeping	0523	Bookkeeping
0524	Tax Accounting	0524	Tax accounting
053	BANKING, INSURANCE AND FINANCIAL SERVICES	053	BANKING, INSURANCE & FINANCIAL SERVICES
0531	Banking and Finance	0531	Banking & Financial Investment
0532	Insurance	0532	Insurance
0533	Actuarial Science	0533	Actuarial Science
0534	Investment and Securities	0539	Banking, Insurance & Financial Services n.e.c. (including computational finance)
0539	Banking, Insurance and Financial Services n.e.c. (including computational finance)		
054	SALES AND MARKETING	054	SALES & MARKETING
0541	Marketing	0541	Marketing
0542	Advertising	0542	Advertising
0543	Retailing and Wholesaling	0543	Retailing & Wholesaling
0544	Merchandising	0544	Merchandising
0549	Sales and Marketing n.e.c.	0549	Sales & Marketing n.e.c.
055	MANAGEMENT SUPPORT SERVICES	055	MANAGEMENT SUPPORT SERVICES
0551	Secretarial/Office Skills	0551	Secretarial/Office Skills
0552	Keyboarding and Shorthand/Stenography	0552	Keyboarding and Shorthand/Stenography
0559	Management Support Services n.e.c.	0559	Management Support Services n.e.c.

SSEC 2020 FOS		SSEC 2015 FOS	
059	BUSINESS AND ADMINISTRATION NOT ELSEWHERE CLASSIFIED	059	BUSINESS & ADMINISTRATION NOT ELSEWHERE CLASSIFIED
0591	E-commerce Management	0591	E-commerce Management
0592	Entrepreneurship and Innovation Studies	0599	Business & Administration n.e.c. (including entrepreneurship)
0599	Business and Administration n.e.c.		
06	LAW	06	LAW
060	LAW	060	LAW
0601	Law	0601	Law
0602	Legal Studies	0602	Legal Studies
07	NATURAL AND MATHEMATICAL SCIENCES	07	NATURAL, PHYSICAL, CHEMICAL AND MATHEMATICAL SCIENCES
071	BIOLOGICAL SCIENCES AND 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 and Technology	0716	Food Science & Technology
0717	Environmental Science	0717	Environmental Science
0719	Biological Sciences and Technologies n.e.c. (including cell and molecular biology, computational biology)	0719	Biological Sciences & Technologies n.e.c. (including molecular biology, cell & molecular biology, computational biology)
072	PHYSICAL SCIENCES AND TECHNOLOGIES	072	PHYSICAL SCIENCES & TECHNOLOGIES
0721	Chemistry (including applied chemistry)	0721	Chemistry (including applied chemistry)

SSEC 2020 FOS		SSEC 2015 FOS	
0722	Physics (including applied physics)	0722	Physics (including applied physics)
0723	Materials Science	0723	Materials Science
0729	Physical Sciences and Technologies n.e.c. (including computational chemistry, computational physics)	0729	Physical Sciences & Technologies n.e.c. (including meteorology, astronomy, geology, oceanography, soil & water science, computational chemistry, computational physics)
073	AGRICULTURE AND 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	VETERINARY SCIENCES	074	VETERINARY SCIENCES
0741	Veterinary Sciences	0741	Veterinary Medicine
0742	Veterinary Support Services	0742	Veterinary Support Services
075	MATHEMATICS AND STATISTICS	075	MATHEMATICS & STATISTICS
0751	Mathematics (including applied mathematics)	0751	Mathematics (including applied mathematics)
0752	Statistics	0752	Statistics
0753	Data Science and Analytics	0753	Operations Research
0759	Mathematics and Statistics n.e.c. (including computational mathematics)	0754	Econometrics
		0759	Mathematics & Statistics n.e.c. (including computational mathematics)
079	NATURAL AND MATHEMATICAL SCIENCES NOT ELSEWHERE CLASSIFIED	079	NATURAL, PHYSICAL, CHEMICAL & MATHEMATICAL SCIENCES NOT ELSEWHERE CLASSIFIED
0790	Natural and Mathematical Sciences n.e.c.	0790	Natural, Physical, Chemical & Mathematical Sciences n.e.c.

SSEC 2020 FOS		SSEC 2015 FOS	
08	HEALTH SCIENCES	08	HEALTH SCIENCES
081	GENERAL MEDICAL SCIENCES	081	GENERAL MEDICAL SCIENCES
0811	General Medicine (including internal/occupational/public health/family and 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 and Gynaecology	0821	Obstetrics & Gynaecology
0822	Paediatrics	0822	Paediatrics
0823	Anaesthesiology	0823	Anaesthesiology
0824	Radiology	0824	Radiology
0825	Psychiatry	0825	Psychiatry
0826	Orthopaedics	0826	Orthopaedics
0827	Ophthalmology	0827	Ophthalmology
0828	Cardiology	0828	Cardiology
0829	Specialised Medical Sciences n.e.c.	0829	Specialised Medical Sciences n.e.c.
083	DENTISTRY	083	DENTISTRY
0831	General Dentistry	0831	General Dentistry
0832	Specialised Dentistry	0832	Endodontics
0833	Oral Health Therapy	0833	Oral & Maxillo-facial Surgery
0834	Dental Sciences/Auxiliary	0834	Oral Pathology & Oral Medicine
		0835	Orthodontics

SSEC 2020 FOS		SSEC 2015 FOS	
		0836	Paediatrics Dentistry
		0837	Periodontics
		0838	Prosthodontics
		0839	Dental Sciences n.e.c.
084	NURSING AND HEALTH CARE	084	NURSING & HEALTH CARE
0841	Nursing	0841	Nursing
0842	Health Care	0842	Health care
085	PHARMACY	085	PHARMACY
0850	Pharmacy	0850	Pharmacy
086	THERAPY AND REHABILITATION	086	COMPLEMENTARY THERAPIES
0861	Traditional and Complementary Medicine and Therapy	0860	Complementary Therapies (eg Traditional Chinese Medicine, acupuncture and naturopathy)
0862	Physiotherapy		
0863	Occupational Therapy		
0864	Speech and Audiology Therapy		
0869	Therapy and Rehabilitation n.e.c.		
087	MEDICAL DIAGNOSTIC AND TREATMENT TECHNOLOGY		
0871	Radiography		
0872	Medical Laboratory Technology		
0873	Cardiac Technology		
0879	Medical Diagnostic and Treatment Technology n.e.c.		

SSEC 2020 FOS		SSEC 2015 FOS	
089	HEALTH SCIENCES NOT ELSEWHERE CLASSIFIED	089	HEALTH SCIENCES NOT ELSEWHERE CLASSIFIED
0891	Nutrition and Dietetics	0891	Physiotherapy
0892	Public Health	0892	Occupational Therapy
0893	Optometry	0893	Radiography
0894	Biomedical Science	0894	Nutrition and Dietetics
0899	Health Sciences n.e.c.	0895	Public Health
		0896	Optometry
		0897	Biomedical Science
		0898	Medical Laboratory Technology
		0899	Health Sciences n.e.c. (including cardiac technology)
09	INFORMATION TECHNOLOGY	09	INFORMATION TECHNOLOGY
091	INFORMATION TECHNOLOGY	091	INFORMATION TECHNOLOGY
0911	Computer Science	0911	Computer Science (including programming, networking)
0912	Information Systems (including Management Information Systems (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	0915	Multi-Media Technology (eg Interactive Digital Media (IDM), games development)
0916	Internet Technology	0916	Internet Technology
0917	Infocomm Security	0917	Infocomm Security Management (including network security)
0919	Information Technology n.e.c.	0919	Information Technology n.e.c.

SSEC 2020 FOS		SSEC 2015 FOS	
092	COMPUTER OPERATIONS/TECHNICAL SUPPORT	092	COMPUTER OPERATIONS/TECHNICAL SUPPORT
0920	Computer Operations/Technical Support	0920	Computer Operations/Technical Support
10	ARCHITECTURE, BUILDING AND REAL ESTATE	10	ARCHITECTURE, BUILDING AND REAL ESTATE
101	ARCHITECTURE AND URBAN PLANNING	101	ARCHITECTURE
1011	Architecture	1011	Architecture
1012	Landscape Architecture	1012	Landscape Architecture
1013	Architectural Technology	1013	Architectural Technology
1014	Town/Urban Planning		
1015	Environmental Planning and Design		
1016	Sustainable Building Design		
		102	TOWN PLANNING
		1020	Town/Urban Planning
102	SURVEYING	103	SURVEYING
1021	Land Surveying	1031	Land Surveying
1022	Quantity Surveying	1032	Quantity Surveying
1023	Building Surveying and Inspection	1033	Building Surveying & Inspection
1029	Surveying n.e.c.		
103	BUILDING SCIENCE AND MANAGEMENT	104	BUILDING SCIENCE & MANAGEMENT
1031	Building Science and Technology	1041	Building Science & Technology
1032	Building Construction Management	1042	Building Construction Management
1033	Building/Estate/Property Management	1043	Building/Estate/Property Management

SSEC 2020 FOS		SSEC 2015 FOS	
1039	Building Science and Management n.e.c. (including contract management)	1049	Building Science & Management n.e.c. (including contract management)
104	BUILDING TRADES	105	BUILDING TRADES
1040	Building Trades	1050	Building Trades
109	ARCHITECTURE, BUILDING AND REAL ESTATE NOT ELSEWHERE CLASSIFIED	109	ARCHITECTURE, BUILDING AND REAL ESTATE NOT ELSEWHERE CLASSIFIED
1091	Architectural Drafting	1091	Architectural Drafting
1092	Real Estate (including valuation)	1092	Real Estate (including valuation)
1099	Architecture, Building and Real Estate n.e.c.	1099	Architecture & Building n.e.c.
11	ENGINEERING SCIENCES	11	ENGINEERING SCIENCES
111	CHEMICAL ENGINEERING	111	CHEMICAL ENGINEERING
1111	Chemical Engineering (including chemical process engineering)	1111	Chemical Engineering (including chemical process engineering)
1112	Polymer Engineering and Technology	1112	Polymer Engineering & Technology
1113	Industrial Chemical Technology	1113	Industrial Chemical Technology
1119	Chemical Engineering n.e.c.	1119	Chemical Engineering n.e.c.
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

SSEC 2020 FOS		SSEC 2015 FOS	
1126	Environmental Engineering (including public health, water resources engineering)	1126	Environmental Engineering (including public health, water resources engineering)
1129	Civil Engineering n.e.c. (including construction engineering, construction technology and materials)	1129	Civil Engineering n.e.c. (including construction engineering, construction technology & materials)
113	ELECTRICAL AND ELECTRONICS ENGINEERING	113	ELECTRICAL & ELECTRONICS ENGINEERING
1131	Electronics Engineering	1131	Electronics Engineering
1132	Electrical Engineering (including power engineering)	1132	Electrical Engineering (including power engineering)
1133	Communications Engineering (including wireless technology)	1133	Communications Engineering (including wireless technology)
1134	Microelectronics	1134	Microelectronics
1135	Computer Engineering	1139	Electrical & Electronics Engineering n.e.c.
1136	Engineering for Clean/Renewable/Sustainable Energy		
1139	Electrical and Electronics Engineering n.e.c.		
		114	COMPUTER ENGINEERING
		1140	Computer Engineering
114	MECHANICAL ENGINEERING	115	MECHANICAL ENGINEERING
1141	Mechanical Engineering	1151	Mechanical Engineering
1142	Aeronautical Engineering (including aerospace electronics)	1152	Aeronautical Engineering (including aerospace electronics)
1143	Automotive Engineering	1153	Automotive Engineering
1144	Thermal Engineering	1154	Thermal Engineering
1145	Mechatronics	1155	Mechatronics
1149	Mechanical Engineering n.e.c.	1159	Mechanical Engineering n.e.c.

SSEC 2020 FOS		SSEC 2015 FOS	
115	MARINE ENGINEERING	116	MARINE ENGINEERING
1151	Marine Engineering	1161	Marine Engineering
1152	Shipbuilding Engineering	1162	Shipbuilding Engineering
1153	Naval Architecture	1163	Naval Architecture
1159	Marine Engineering n.e.c.	1169	Marine Engineering n.e.c.
116	MANUFACTURING AND RELATED ENGINEERING	117	MANUFACTURING & RELATED ENGINEERING
1161	Manufacturing/Production Engineering	1171	Manufacturing/Production Engineering
1162	Industrial Engineering	1172	Industrial Engineering
1163	Materials Engineering	1173	Materials Engineering
1164	Precision Engineering	1174	Precision Engineering
1165	Quality Assurance Engineering	1175	Quality Assurance Engineering
1169	Manufacturing and Related Engineering n.e.c.	1179	Manufacturing & Related Engineering n.e.c.
119	ENGINEERING SCIENCES NOT ELSEWHERE CLASSIFIED	119	ENGINEERING SCIENCES NOT ELSEWHERE CLASSIFIED
1191	Metallurgical Engineering	1191	Metallurgical Engineering
1192	Building Services Engineering	1192	Building Services Engineering
1193	Biomedical Engineering	1193	Biomedical Engineering
1199	Engineering Sciences n.e.c.	1199	Engineering Sciences n.e.c.
12	ENGINEERING, MANUFACTURING AND RELATED TRADES	12	ENGINEERING, MANUFACTURING AND RELATED TRADES
121	ENGINEERING TRADES	121	ENGINEERING TRADES
1211	Electrical/Electronics Installation and Servicing (including air-conditioning and refrigeration)	1211	Electrical/Electronics Installation & Servicing (eg air-conditioning & refrigeration)

SSEC 2020 FOS		SSEC 2015 FOS	
1212	Mechanical Installation and Servicing	1212	Mechanical Installation & Servicing
1213	Precision Machine Technology	1213	Precision Tool Engineering & Design
1214	Motor Vehicle Mechanics	1214	Motor Vehicle Mechanics
1215	Aircraft Mechanics	1215	Aircraft Mechanics
1216	Marine Engineering Mechanics	1216	Marine Engineering Mechanics
1219	Engineering Trades n.e.c. (including welding, pipe and steel fabrication)	1219	Engineering Trades n.e.c. (eg pipe & steel fabrication, welding, diesel engine mechanics)
122	MANUFACTURING TRADES	122	MANUFACTURING TRADES
1221	Manufacture of Electronic Products and Components	1221	Manufacture of Electronic Products & Components
1222	Printing Crafts	1222	Printing Crafts
1223	Furniture Production/Carpentry	1223	Furniture Production/Carpentry
1224	Footwear/Textile/Clothing Production	1224	Footwear/Textile/Clothing Production
1229	Manufacturing Trades n.e.c.	1229	Manufacturing Trades n.e.c.
129	ENGINEERING, MANUFACTURING AND RELATED TRADES NOT ELSEWHERE CLASSIFIED	129	ENGINEERING, MANUFACTURING & RELATED TRADES NOT ELSEWHERE CLASSIFIED
1291	Civil and Structural Drafting	1291	Civil & Structural Drafting
1292	Electrical Drafting	1292	Electrical Drafting
1293	Mechanical Drafting	1293	Mechanical Drafting
1299	Engineering, Manufacturing and Related Trades n.e.c.	1299	Engineering, Manufacturing & Related Trades n.e.c.
13	SERVICES	13	SERVICES
131	PERSONAL SERVICES	131	PERSONAL SERVICES
1311	Hairdressing	1311	Hairdressing

SSEC 2020 FOS		SSEC 2015 FOS	
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 n.e.c.	1319	Personal Services n.e.c.
132	FOOD SERVICES	132	FOOD SERVICES
1321	Culinary Skills/Arts (including food preparation)	1321	Culinary Skills/Arts (including food preparation)
1322	Pastry Making and Baking Skills	1322	Pastry Making & Baking Skills
1323	Food and Beverage Management/Services	1323	Food & Beverage Management/Services
1329	Food Services n.e.c.	1329	Food Services n.e.c.
133	HOSPITALITY SERVICES	133	HOSPITALITY SERVICES
1331	Front Office Operations	1331	Front Office Operations
1332	Accommodation Services	1332	Accommodation Services
1333	Housekeeping	1333	Housekeeping
1334	Travel/Tourism Services	1334	Travel/Tourism Services
1339	Hospitality Services n.e.c.	1339	Hospitality Services n.e.c.
134	TRANSPORT SERVICES	134	TRANSPORT SERVICES
1341	Maritime Studies (including nautical studies, maritime transportation)	1341	Maritime Studies (including nautical studies, maritime transportation)
1342	Aircraft Operation	1342	Aircraft Operation
1343	Air Traffic Control	1343	Air Traffic Control
1349	Transport Services n.e.c.	1349	Transport Services n.e.c.

SSEC 2020 FOS		SSEC 2015 FOS	
135	SAFETY AND SECURITY SERVICES	135	SECURITY SERVICES
1351	Police Studies and Security Management	1351	Police Studies & Security Management
1352	Civil Defence	1352	Civil Defence
1353	Hotel Security	1353	Fire Fighting
1354	Occupational Safety Management (including fire and safety management)	1354	Hotel Security
1359	Safety and Security Services n.e.c.	1355	Occupational Safety Management (including fire & safety management)
		1359	Security Services n.e.c.
136	SPORTS AND RECREATION SERVICES	136	SPORTS AND RECREATION SERVICES
1361	Sports and Recreation Studies	1361	Sports and Recreation Studies
1362	Fitness Training and Sports Coaching	1362	Fitness Training and Sports Coaching
1369	Sports and Recreation Services n.e.c. (including Sports Management)	1369	Sports and Recreation Services n.e.c. (eg Sports Management)
99	OTHER FIELDS	99	OTHER FIELDS
990	OTHER FIELDS NOT ELSEWHERE CLASSIFIED	999	OTHER FIELDS NOT ELSEWHERE CLASSIFIED
9900	Other Fields n.e.c.	9991	Translation & Interpretation
		9999	Other Fields n.e.c.
XX	NOT REPORTED	XX	NOT REPORTED
XXX	NOT REPORTED	XXX	NOT REPORTED
XXXX	Not Reported	XXXX	Not Reported

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Singapore Institute of Technology
Singapore Management University
Singapore University of Social Sciences
Singapore University of Technology and Design

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:

www.singstat.gov.sg

Key Singapore statistics and resources are available via the following sections:

- **What's New**
Obtain latest data for key economic and social indicators, browse news releases by DOS and Research and Statistics Units (RSUs) of other public sector agencies.
- **Find Data**
Choose from almost 50 topics to access the relevant statistics, press releases, infographics, charts, storyboards, videos and references.
- **Publications**
Browse DOS's publications, papers and articles by topics. All publications are available for free access.
- **Advance Release Calendar**
View dates of upcoming releases in the half-yearly ahead calendar.

The website also provides a convenient gateway to international statistical websites and resources:

- **IMF Dissemination Standards Bulletin Board**
View metadata and latest data 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.
- **International Statistics**
Access international databases, websites of international bodies and national statistical offices.
- **International Classifications**
Access quick links to international economic and social classifications.

SingStat Express

Subscribe to *SingStat Express* and receive email and SMS alerts (for local users) on the latest statistical releases of your choice. Details are available at www.singstat.gov.sg/whats-new/sign-up-for-alerts.

SingStat Mobile App

The *SingStat Mobile App* provides users with on-the-go access to latest key Singapore official statistics and ASEAN statistics via their mobile devices. The app allows visualisation of data with over 200 charts of commonly used statistics from 28 data categories. Users can also opt to receive notifications on updates to their preferred indicators, organise data categories in the order of their preference, download tables or share charts via social media, perform computation for quick analyses and bookmark indicators for quick access. The app is available for downloading in iOS and Android devices. More information is available at www.singstat.gov.sg/our-services-tools-surveys/singstat-mobile-app.

SINGAPORE DEPARTMENT OF STATISTICS
INFORMATION DISSEMINATION SERVICES (cont'd)

SingStat Table Builder

The *SingStat Table Builder* contains data series from 60 public sector agencies providing a comprehensive statistical view of Singapore economic and socio-demographic characteristics. Users may create customised data tables, and export them in different file formats and download multiple tables at one go. APIs for commonly accessed tables are provided in JSON and CSV formats for ease of data retrieval. In addition, developer APIs are available for users to customise and use the parameters available to define queries. Explore data trends with this digital service at www.singstat.gov.sg/tablebuilder.

Really Simple Syndication




Really Simple Syndication (RSS) is an easy way to stay updated on the latest statistical news released by DOS. The SingStat RSS feed delivers statistical news highlights and hyperlinks to the source documents whenever the updates are posted. More information is available at www.singstat.gov.sg/whats-new/really-simple-syndication-rss.

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 DOS.

Statistical Enquiries and Feedback

If you have any statistical enquiries or feedback on our services, you are welcomed to:

-  Email us at **info@singstat.gov.sg**
-  Fax to us at **(65) 6332-7689**
-  Call us at **1800-3238118* (local callers)**
(65) 6332-7738 (overseas callers)

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