

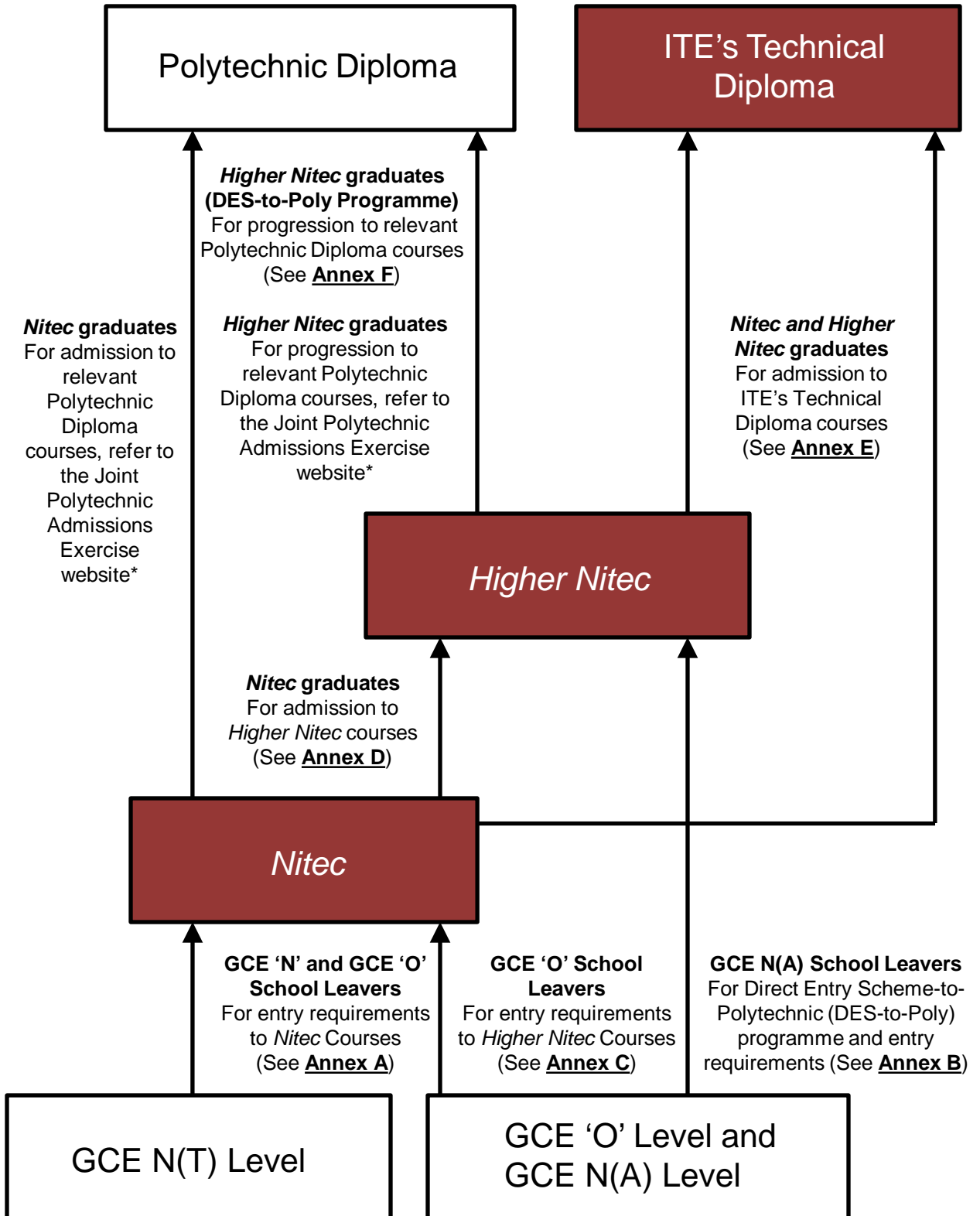


FACTSHEET

ITE PROGRAMMES AND PROGRESSION OPPORTUNITIES

- 1 Every year, we receive a number of enquiries from teachers, students and parents on ITE courses and progression opportunities for ITE graduates.
- 2 To help school principals, teachers and career guidance staff better understand the entry requirements for *Nitec* and *Higher Nitec* courses and the opportunities for ITE graduates to progress within ITE and to Diploma courses at ITE and the Polytechnics, we have designed a simple factsheet which contains the following information:
 - 2.1 A flowchart on entry to *Nitec* and *Higher Nitec* courses, and progression to Diploma courses at ITE and the Polytechnics;
 - 2.2 A list of *Nitec* and *Higher Nitec* courses and their entry requirements (**Annexes A to C**);
 - 2.3 Progression from *Nitec* to *Higher Nitec* courses and their entry requirements (**Annex D**);
 - 2.4 Progression from *Nitec* and *Higher Nitec* courses to ITE's Technical Diploma courses and their entry requirements (**Annex E**); and
 - 2.5 Progression from *Higher Nitec* courses (under the Direct Entry Scheme to Polytechnic programme) to Polytechnic Diploma courses (**Annex F**).
- 3 We hope the factsheet will be useful to principals, teachers and career guidance officers in guiding and counseling students on their choice of courses and progression opportunities in ITE.

ITE Programmes and Progression Opportunities



*The Joint Polytechnic Admissions Exercise website is at <http://www.polytechnic.edu.sg/jpae/Courses.html>

Entry Requirements for ITE Full-Time *Nitec* Courses

<i>Nitec</i> Courses	Duration	Minimum Entry Requirements
School of Applied and Health Sciences		
Applied Food Science*	2 Years	2 GCE 'O' Grades: - Grade 1-8 in Mathematics - Grade 1-8 in Science OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in Mathematics - Grade A-D or Grade 1-5 in Science - Grade A-D or Grade 1-5 in one other subject
Chemical Process Technology (Biologics)*		
Chemical Process Technology (Petrochemicals)*		
Chemical Process Technology (Pharmaceuticals)*		
Chemical Process Technology (Process Instrumentation)*		
Community Care and Social Services	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in English Language - Grade A-D or Grade 1-5 in any two other subjects
Nursing	2 Years	2 GCE 'O' Grades in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in English Language - Grade A-D or Grade 1-5 in Mathematics - Grade A-D or Grade 1-5 in Science
Opticianry	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in Mathematics or Science - Grade A-D or Grade 1-5 in any two other subjects

*Applicants applying for these courses must ensure that they do not suffer from colour appreciation deficiency and must pass the colour vision test.

Nitec Courses	Duration	Minimum Entry Requirements
School of Business & Services		
Attractions Operations	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects
Fitness Training	2 Years	
Service Skills (Office)	1 Year	OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in English Language - Grade A-D or Grade 1-5 in any two other subjects
Service Skills (Retail)	1 Year	
Service Skills (Tourism)	1 Year	
Beauty & Wellness	1 Year	Completed GCE 'O' or GCE 'N' level
Hair Services (Hair Fashion & Design)*	2 Years	
Hair Services (Hair & Scalp Therapy)*	2 Years	
School of Design & Media		
Interactive Media Design	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in Mathematics or Science - Grade A-D or Grade 1-5 in any two other subjects
Visual Communication*	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in English Language - Grade A-D or Grade 1-5 in any two other subjects -
Space Design (Architecture)*	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in Mathematics - Grade A-D or Grade 1-5 in any two other subjects
Space Design (Interior & Exhibition)*		
Visual Effects*		

*Applicants applying for these courses must ensure that they do not suffer from colour appreciation deficiency and must pass the colour vision test.

<i>Nitec</i> Courses	Duration	Minimum Entry Requirements
Digital Animation*	2 Years	Completed GCE 'O' or GCE 'N' level
Product Design*		
School of Electronics and Info-Communications Technology		
Digital Audio & Video Production*	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in Mathematics - Grade A-D or Grade 1-5 in any two other subjects
Social Media & Web Development		
Electronics (Computer & Networking)*	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in Mathematics or Science - Grade A-D or Grade 1-5 in any two other subjects
Electronics (Instrumentation)*		
Electronics (Mobile Devices)*		
Electronics (Wireless LAN)*		
Info-Communications Technology (Cloud Computing)*		
Info-Communications Technology (Networking & Systems Administration)*		
Mobile Systems & Services*		
Semiconductor Technology*		
Security Technology*	2 Years	Completed GCE 'O' or GCE 'N' level

*Applicants applying for these courses must ensure that they do not suffer from colour appreciation deficiency and must pass the colour vision test.

School of Engineering		
Nitec Courses	Duration	Minimum Entry Requirements
Aerospace Avionics*	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in Mathematics - Grade A-D or Grade 1-5 in any two other subjects
Aerospace Technology*		
Electrical Technology (Lighting & Sound)*		
Electrical Technology (Power & Control)*		
Aerospace Machining Technology	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in Mathematics or Science - Grade A-D or Grade 1-5 in any two other subjects
Medical Manufacturing Technology		
Mechatronics (Medical Technology)*		
Rapid Transit Technology*		
Automotive Technology (Heavy Vehicles)	2 Years	Completed GCE 'O' or GCE 'N' level
Automotive Technology (Light Vehicles)		
Facility Technology (Air-Conditioning & Refrigeration)*		
Facility Technology (Landscaping Services)*		
Facility Technology (Mechanical & Electrical Services)*		
Facility Technology (Vertical Transportation)*		
Laser & Tooling Technology		
Machine Technology		
Mechanical Technology		
Mechatronics (Automation Technology)*		
Mechatronics (Equipment Assembly)*		

*Applicants applying for these courses must ensure that they do not suffer from colour appreciation deficiency and must pass the colour vision test.

School of Hospitality		
<i>Nitec</i> Courses	Duration	Minimum Entry Requirements
Asian Culinary Arts	2 Years	2 GCE 'O' Grades (Grade 1-8) in any two subjects OR 3 GCE 'N' Passes: - Grade A-D or Grade 1-5 in English Language - Grade A-D or Grade 1-5 in any two other subjects
Food & Beverage Operations*		
Pastry & Baking		
Western Culinary Arts		

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Annex B

Entry Requirements for Direct Entry Scheme to Polytechnic (DES-to-Poly) Programme for Sec 4N(A) Students

<i>Higher Nitec Courses</i>	Minimum Entry Requirements
Business Information Systems Chemical Technology Electrical Engineering Electronics Engineering Information Technology Mechanical Engineering Mechatronics Engineering Wireless Technology	Applicants must have a total of 19 points or less for English Language, Mathematics and 3 other subjects (ELMAB3) in the GCE 'N(A)' examinations. For the ELMAB3 aggregate score, applicants must get: - Grade 1-4 in English Language. - Grade 1-4 in Mathematics. - Grade 1-5 in the 3 other subjects.
Accounting Banking Services Business Studies (Administration) Business Studies (Event Management) Business Studies (Service Management) Hospitality Operations Logistics for International Trade Leisure & Travel Operations	Applicants must have a total of 19 points or less for English Language, Mathematics and 3 other subjects (ELMAB3) in the GCE 'N(A)' examinations. For the ELMAB3 aggregate score, applicants must get: - Grade 1-3 in English Language. - Grade 1-4 in Mathematics. - Grade 1-5 in the 3 other subjects.

The duration for *Higher Nitec* courses is two years. Successful applicants are required to attend a 10-week preparatory course starting in January.

Entry Requirements for Full-Time *Higher Nitec* Courses

Higher Nitec Courses	Duration	Minimum Entry Requirements
School of Applied & Health Sciences		
<i>Higher Nitec</i> in Paramedic & Emergency Care and <i>Nitec</i> in Nursing (Dual Certification Course)*	3 Years and 3 Months	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-7 in English Language - Grade 1-7 in Mathematics (Elementary or Additional) - Grade 1-7 in an approved subject[#]
Biotechnology	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-8 in English Language - Grade 1-7 in Mathematics (Elementary or Additional) - Grade 1-8 in an approved subject[#]
Chemical Technology		
School of Business & Services		
Accounting	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-7 in English Language - Grade 1-7 in Mathematics (Elementary or Additional) or Principles of Accounts - Grade 1-7 in one other subject <p>To be eligible for selection, applicant must also have sat for Mathematics.</p>
Banking Services		
Logistics for International Trade		
Beauty & Spa Management	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-7 in English Language - Grade 1-7 in two other subjects <p>To be eligible for selection, applicant must also have sat for Mathematics.</p> <p>Selected applicants have to pass a pre-admission medical examination.</p>

[#] Approved subjects are: Biology, Chemistry, Combined Science, Engineering Science, Human & Social Biology, Integrated Science, Physical Science, Physics, Science (Chemistry, Biology), Science (Physics, Biology), Science (Physics, Chemistry) and Science (Physics, Biology, Chemistry).

* Applicants applying for these courses must ensure that they do not suffer from colour appreciation deficiency and must pass the colour vision test.

Higher Nitec Courses	Duration	Minimum Entry Requirements
Early Childhood Education	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-4 in English Language - Grade 1-6 in two other subjects To be eligible for selection, applicant must also have sat for Mathematics. Selected applicants have to pass a pre-admission medical examination.
Business Studies (Administration)	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-6 in English Language - Grade 1-8 in Mathematics (Elementary of Additional) - Grade 1-7 in one other subject To be eligible for selection, applicant must also have sat for Mathematics.
Business Studies (Event Management)		
Business Studies (Service Management)		
Business Studies (Sport Management)		
Community Sport & Recreation Management		
Leisure & Travel Operations		
Passenger Services		
Retail Merchandising		
School of Design & Media		
Performance Production*	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-7 in English Language - Grade 1-8 in Mathematics (Elementary of Additional) - Grade 1-8 in one other subject
Visual Merchandising*	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-7 in English Language - Grade 1-8 in two other subjects To be eligible for selection, applicant must also have sat for Mathematics.

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Higher Nitec Courses	Duration	Minimum Entry Requirements
School of Electronics & Info-Communications Technology		
Business Information Systems*	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-8 in English Language - Grade 1-7 in Mathematics (Elementary or Additional) - Grade 1-8 in an approved subject[#]
Information Systems Quality		
Information Technology*		
Mobile Unified Communications*		
Network Security Technology*		
Wireless Technology*		
Electronics Engineering*	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-8 in English Language - Grade 1-7 in Mathematics (Elementary or Additional) - Grade 1-8 in an approved subject⁺
Security Systems Integration*		
Games Design & Development	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-8 in English Language - Grade 1-7 in Mathematics (Elementary or Additional) - Grade 1-7 in an approved subject[@]
School of Engineering		
Advanced Manufacturing	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-8 in English Language - Grade 1-7 in Mathematics (Elementary or Additional) - Grade 1-8 in an approved subject⁺
Civil & Structural Engineering Design		
Electrical Engineering*		
Facility Systems Design		
Marine Engineering		
Marine & Offshore Technology		
Mechanical Engineering		
Mechatronics Engineering*		
Offshore & Marine Engineering Design		
Process Plant Design		

[#] Approved subjects are: Biology, Chemistry, Combined Science, Computer Studies, Engineering Science, Integrated Science, Physical Science, Physics, Science (Chemistry, Biology), Science (Physics, Biology), Science (Physics, Chemistry) and Science (Physics, Chemistry, Biology).

⁺ Approved subjects are: Biology, Chemistry, Combined Science, Computer Studies, Design & Technology, Engineering Science, Fundamentals of Electronics, Integrated Science, Physical Science, Physics, Science (Chemistry, Biology), Science (Physics, Biology), Science (Physics, Chemistry) and Science (Physics, Chemistry, Biology).

[@] Approved subjects are: Combined Science, Computer Studies, Engineering Science, Integrated Science, Physical Science, Physics, Science (Physics, Biology), Science (Physics, Chemistry), and Science (Physics, Chemistry, Biology).

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Higher Nitec Courses	Duration	Minimum Entry Requirements
School of Hospitality		
Hospitality Operations	2 Years	3 GCE 'O' Grades: <ul style="list-style-type: none"> - Grade 1-6 in English Language - Grade 1-8 in Mathematics (Elementary or Additional) - Grade 1-7 in one other subject. To be eligible for selection, applicant must also have sat for Mathematics

Progression from *Nitec* to *Higher Nitec* Courses

1) Progression of *Nitec* graduates to *Higher Nitec* Engineering / ICT / Applied Sciences / Design & Media courses

<i>Nitec</i> Course with Minimum Cumulative GPA of 2.3 (inclusive of CCA bonus)	Progression to 1st year <i>Higher Nitec</i> Engineering/ICT/Applied Sciences Courses with High relevance	Progression to 2nd Year <i>Higher Nitec</i> Courses with Minimum <i>Nitec</i> Cumulative GPA of 3.5 (inclusive of CCA bonus)	Can apply for Progression to the following <i>Higher Nitec</i> Engineering/ ICT/Applied Sciences/Design Courses
Aerospace Avionics	<ul style="list-style-type: none"> - Electrical Engineering* - Electronics Engineering* - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Mechatronics Engineering* 	<ul style="list-style-type: none"> - Electronics Engineering* 	<ul style="list-style-type: none"> - Advanced Manufacturing - Biotechnology - Business Information Systems* - Chemical Technology - Civil & Structural Engineering Design - Electrical Engineering* - Electronics Engineering* - Facility Systems Design - Games Design & Development - Information Systems Quality - Information Technology* - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Mechatronics Engineering* - Mobile Unified Communications* - Network Security Technology* - Offshore & Marine Engineering Design - Performance Production* - Process Plant Design - Security System Integration* - Wireless Technology*
Aerospace Machining Technology	<ul style="list-style-type: none"> - Advanced Manufacturing - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering 	<ul style="list-style-type: none"> - Mechanical Engineering 	
Aerospace Technology	<ul style="list-style-type: none"> - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Mechatronics Engineering* 	<ul style="list-style-type: none"> - Mechanical Engineering 	
Applied Food Science	<ul style="list-style-type: none"> - Biotechnology - Chemical Technology 	-	
Automotive Technology (Heavy Vehicles)	<ul style="list-style-type: none"> - Advanced Manufacturing - Marine Engineering - Marine & Offshore Technology 	-	
Automotive Technology (Light Vehicles)	<ul style="list-style-type: none"> - Mechanical Engineering 		

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Nitec Course with Minimum Cumulative GPA of 2.3 (inclusive of CCA bonus)	Progression to 1st year Higher Nitec Engineering/ICT/Applied Sciences Courses with High relevance	Progression to 2nd Year Higher Nitec Courses with with Minimum Nitec Cumulative GPA of 3.5 (inclusive of CCA bonus)	Can apply for Progression to the following Higher Nitec Engineering/ ICT/Applied Sciences/Design Courses
Building Drafting	<ul style="list-style-type: none"> - Civil & Structural Engineering Design - Facility Systems Design - Offshore & Marine Engineering Design - Process Plant Design 	-	<ul style="list-style-type: none"> - Advanced Manufacturing - Biotechnology - Business Information Systems* - Chemical Technology - Civil & Structural Engineering Design - Electrical Engineering* - Electronics Engineering* - Facility Systems Design - Games Design & Development - Information Systems Quality - Information Technology* - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Mechatronics Engineering* - Mobile Unified Communications* - Network Security Technology* - Offshore & Marine Engineering Design - Performance Production - Process Plant Design - Security Systems Integration* - Wireless Technology*
Chemical Process Technology	<ul style="list-style-type: none"> - Biotechnology - Chemical Technology 	-	
Communications Technology	<ul style="list-style-type: none"> - Electronics Engineering* - Information Technology* - Wireless Technology* 	-	
Digital Animation	<ul style="list-style-type: none"> - Games Design & Development 	-	
Digital Audio & Video Production	<ul style="list-style-type: none"> - Games Design & Development 	-	
Digital Media Design	<ul style="list-style-type: none"> - Games Design & Development - Information Technology* 	-	
Electrical Technology (Lighting & Sound)	<ul style="list-style-type: none"> - Electrical Engineering* - Electronics Engineering* - Mechatronics Engineering* - Performance Production 	<ul style="list-style-type: none"> - Electrical Engineering* 	
Electrical Technology (Power & Control)	<ul style="list-style-type: none"> - Electrical Engineering* - Electronics Engineering* - Mechatronics Engineering 	<ul style="list-style-type: none"> - Electrical Engineering* 	

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Nitec Course with Minimum Cumulative GPA of 2.3 (inclusive of CCA bonus)	Progression to 1st year Higher Nitec Engineering/ICT/Applied Sciences Courses with High relevance	Progression to 2nd Year Higher Nitec Courses with with Minimum Nitec Cumulative GPA of 3.5 (inclusive of CCA bonus)	Can apply for Progression to the following Higher Nitec Engineering/ ICT/Applied Sciences/Design Courses
Electronics (Computer & Networking)	<ul style="list-style-type: none"> - Electrical Engineering* - Electronics Engineering* - Mechatronics Engineering* 	- Electronics Engineering*	<ul style="list-style-type: none"> - Advanced Manufacturing - Biotechnology - Business Information Systems* - Chemical Technology - Civil & Structural Engineering Design - Electrical Engineering* - Electronics Engineering* - Facility Systems Design - Games Design & Development - Information Systems Quality - Information Technology* - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Mechatronics Engineering* - Mobile Unified Communications* - Network Security Technology* - Offshore & Marine Engineering Design - Performance Production* - Process Plant Design - Security System Integration* - Wireless Technology*
Electronics (Instrumentation)			
Electronics (Wafer Fabrication)			
Electronics (Mobile Devices)	<ul style="list-style-type: none"> - Electrical Engineering* - Electronics Engineering* - Mechatronics Engineering* - Wireless Technology* 		
Electronics (Wireless LAN)			
Facility Technology / Building Services Technology (Air-Conditioning & Refrigeration)	<ul style="list-style-type: none"> - Advanced Manufacturing - Civil & Structural Engineering Design - Facility Systems Design - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Offshore & Marine Engineering Design - Process Plant Design 	- Mechanical Engineering	
Facility Technology / Building Services Technology (Mechanical & Electrical Services)			
Facility Technology (Landscaping Services)			
Facility Technology (Vertical Transportation)			

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Nitec Course with Minimum Cumulative GPA of 2.3 (inclusive of CCA bonus)	Progression to 1st year Higher Nitec Engineering/ICT/Applied Sciences Courses with High relevance	Progression to 2nd Year Higher Nitec Courses with with Minimum Nitec Cumulative GPA of 3.5 (inclusive of CCA bonus)	Can apply for Progression to the following Higher Nitec Engineering/ ICT/Applied Sciences/Design Courses
Info-Communications Technology	<ul style="list-style-type: none"> - Business Information Systems* - Information Technology* - Network Security Technology* - Wireless Technology* 	- Information Technology*	<ul style="list-style-type: none"> - Advanced Manufacturing - Biotechnology - Business Information Systems* - Chemical Technology - Civil & Structural Engineering Design - Electrical Engineering* - Electronics Engineering* - Facility Systems Design - Games Design & Development - Information Systems Quality - Information Technology* - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Mechatronics Engineering* - Mobile Unified Communications* - Network Security Technology* - Offshore & Marine Engineering Design - Performance Production* - Process Plant Design - Security System Integration* - Wireless Technology*
Info-Communications Technology (Networking & Systems Administration)			
Info-Communications Technology (Cloud Computing)		<ul style="list-style-type: none"> - Business Information Systems* - Information Technology* 	
Interactive Media Design	<ul style="list-style-type: none"> - Games Design & Development - Information Technology* 	-	
Laser & Tooling Technology	<ul style="list-style-type: none"> - Advanced Manufacturing - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering 	- Mechanical Engineering	
Machine Technology			
Mechanical Technology	<ul style="list-style-type: none"> - Advanced Manufacturing - Facility Systems Design - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Offshore & Marine Engineering Design - Process Plant Design 	- Mechanical Engineering	

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Nitec Course with Minimum Cumulative GPA of 2.3 (inclusive of CCA bonus)	Progression to 1st year Higher Nitec Engineering/ICT/Applied Sciences Courses with High relevance	Progression to 2nd Year Higher Nitec Courses with with Minimum Nitec Cumulative GPA of 3.5 (inclusive of CCA bonus)	Can apply for Progression to the following Higher Nitec Engineering/ ICT/Applied Sciences/Design Courses
Mechatronics	<ul style="list-style-type: none"> - Advanced Manufacturing - Electrical Engineering* - Electronics Engineering* - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Mechatronics Engineering* 	<ul style="list-style-type: none"> - Electrical Engineering* - Electronics Engineering* - Mechatronics Engineering* 	<ul style="list-style-type: none"> - Advanced Manufacturing - Biotechnology - Business Information Systems* - Chemical Technology - Civil & Structural Engineering Design - Electrical Engineering* - Electronics Engineering* - Facility Systems Design - Games Design & Development - Information Systems Quality - Information Technology* - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Mechatronics Engineering* - Mobile Unified Communications* - Network Security Technology* - Offshore & Marine Engineering Design - Performance Production* - Process Plant Design - Security System Integration* - Wireless Technology*
Medical Manufacturing Technology	<ul style="list-style-type: none"> - Advanced Manufacturing - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering 	<ul style="list-style-type: none"> - Mechanical Engineering 	
Mobile Systems & Services	<ul style="list-style-type: none"> - Business Information Systems* - Information Technology* - Mobile Unified Communications* - Network Security Technology* - Wireless Technology* 	-	
Multimedia Technology	<ul style="list-style-type: none"> - Information Technology* 	<ul style="list-style-type: none"> - Information Technology* 	
Opticianry	-	-	
Precision Engineering	<ul style="list-style-type: none"> - Advanced Manufacturing - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering 	<ul style="list-style-type: none"> - Mechanical Engineering 	
Product Design	-	-	

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Nitec Course with Minimum Cumulative GPA of 2.3 (inclusive of CCA bonus)	Progression to 1st year Higher Nitec Engineering/ICT/Applied Sciences Courses with High relevance	Progression to 2nd Year Higher Nitec Courses with with Minimum Nitec Cumulative GPA of 3.5 (inclusive of CCA bonus)	Can apply for Progression to the following Higher Nitec Engineering/ ICT/Applied Sciences/Design Courses
Rapid Transit Technology	<ul style="list-style-type: none"> - Electrical Engineering* - Mechanical Engineering - Mechatronics Engineering* 	<ul style="list-style-type: none"> - Mechatronics Engineering* 	<ul style="list-style-type: none"> - Advanced Manufacturing - Biotechnology - Business Information Systems* - Chemical Technology - Civil & Structural Engineering Design - Electrical Engineering* - Electronics Engineering* - Facility Systems Design - Games Design & Development - Information Systems Quality - Information Technology* - Marine Engineering - Marine & Offshore Technology - Mechanical Engineering - Mechatronics Engineering* - Mobile Unified Communications* - Network Security Technology* - Offshore & Marine Engineering Design - Performance Production* - Process Plant Design - Security System Integration* - Wireless Technology*
Security Technology	<ul style="list-style-type: none"> - Electrical Engineering* - Electronics Engineering* - Mechatronics Engineering* - Security System Integration* 	<ul style="list-style-type: none"> - Security System Integration* 	
Semiconductor Technology	<ul style="list-style-type: none"> - Electrical Engineering* - Electronics Engineering* - Mechatronics Engineering* 	<ul style="list-style-type: none"> - Electronics Engineering* 	
Social Media & Web Development	<ul style="list-style-type: none"> - Information Technology* 	-	
Space Design (Architecture)	<ul style="list-style-type: none"> - Civil & Structural Engineering Design - Facility Systems Design 	-	
Space Design (Interior & Exhibition)	<ul style="list-style-type: none"> - Offshore & Marine Engineering Design - Process Plant Design 	-	
Visual Communication	<ul style="list-style-type: none"> - Games Design & Development - Information Technology* 	-	
Visual Effects	<ul style="list-style-type: none"> - Games Design & Development - Information Technology* 	-	

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<i>Nitec</i> Course with Minimum Cumulative GPA of 2.3 (inclusive of CCA bonus)	Can apply for Progression to the following <i>Higher Nitec</i> Courses
Nursing	- Biotechnology - Chemical Technology
Building Drafting Digital Animation Digital Media Design Interactive Media Design Product Design Space Design Visual Communication Visual Effects	- Visual Merchandising*

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<i>Nitec</i> Course with Minimum Cumulative GPA of 3.0 (inclusive of CCA bonus)	Can apply for Progression to the following <i>Higher Nitec</i> Courses
Aerospace Avionics Aerospace Technology	- Aerospace Engineering*

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2) Progression of *Nitec* graduates to *Higher Nitec* Business & Services/ Design & Media/ Health Sciences courses

<i>Nitec</i> Course with Minimum Cumulative GPA of 2.8 (inclusive of CCA bonus)	Can apply for Progression to the following <i>Higher Nitec</i> Business & Services / Design & Media Courses
Asian Culinary Arts Attraction Operations Food & Beverage Operations Pastry & Baking Service Skills (Office) Service Skills (Tourism) Western Culinary Arts/Culinary Skills (Western)	<ul style="list-style-type: none"> - Accounting - Banking Services - Business Studies (Administration) - Business Studies (Event Management) - Business Studies (Service Management) - Business Studies (Sport Management) - Beauty & Spa Management - Community Sport & Recreation Management - Hospitality Operations - Leisure & Travel Operations - Logistics for International Trade - Passenger Services - Retail Merchandising

Nitec Course with Minimum Cumulative GPA of 2.8 (inclusive of CCA bonus)	Can apply for Progression to the following <i>Higher Nitec Business & Services / Design & Media Courses</i>
Beauty Therapy/ Beauty & Wellness Hair Services (Hair Fashion & Design) Hair Services (Hair & Scalp Therapy) Hair Fashion & Design Service Skills (Retail)	<ul style="list-style-type: none"> - Accounting - Banking Services - Business Studies (Administration) - Business Studies (Event Management) - Business Studies (Service Management) - Business Studies (Sport Management) - Beauty & Spa Management - Community Sport & Recreation Management - Hospitality Operations - Leisure & Travel Operations - Logistics for International Trade - Passenger Services - Retail Merchandising - Visual Merchandising*
Community Care & Social Services	<ul style="list-style-type: none"> - Accounting - Banking Services - Business Studies (Administration) - Business Studies (Event Management) - Business Studies (Service Management) - Business Studies (Sport Management) - Community Sport & Recreation Management - Hospitality Operations - Leisure & Travel Operations - Logistics for International Trade

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Nitec Course with Minimum Cumulative GPA of 2.8 (inclusive of CCA bonus)	Can apply for Progression to the following <i>Higher Nitec Business & Services / Design & Media Courses</i>
Fitness Training	<ul style="list-style-type: none"> - Accounting - Banking Services - Business Studies (Administration) - Business Studies (Event Management) - Business Studies (Sport Management) - Beauty & Spa Management - Community Sport & Recreation Management - Leisure & Travel Operations - Logistics for International Trade - Passenger Services - Retail Merchandising

Nitec Course with Minimum Cumulative GPA of 2.8 (inclusive of CCA bonus)	Can apply for Progression to the following <i>Higher Nitec Courses</i>
<i>Nitec Engineering / ICT / Applied Sciences courses</i>	- Business Studies (Sport Management)
Nursing	<ul style="list-style-type: none"> - Business Studies (Sport Management) - Paramedic & Emergency Care*

* Applicants applying for these courses must ensure that they do not suffer from colour appreciation deficiency and must pass the colour vision test

Entry Requirements for ITE Technical Diploma Courses

Course	Duration	Minimum Entry Requirements
<p>ITE Technical Engineer Diploma in Automotive Engineering</p> <p>The ITE Technical Engineer Diploma in Automotive Engineering is a partnership between ITE and Ministry of Education, Youth & Sports (MEYS), Baden-Württemberg, Germany.</p> <p>The certification will be issued by MEYS and will be similar to the one given out in Germany. ITE and MEYS will also issue a joint transcript to all graduates, reflecting the grades attained in the course.</p>	<p>2 Years of College-based Training and 1.5 Years of Work Experience*</p>	<p><i>Higher Nitec</i> with GPA 2.0 and above in:</p> <ul style="list-style-type: none"> - Mechanical Engineering - Mechatronics Engineering <p>Or</p> <p><i>Nitec</i> in Automotive Technology with GPA 3.0 and above</p>
<p>ITE Technical Engineer Diploma in Machine Technology</p> <p>The ITE Technical Engineer Diploma in Machine Technology is a collaborative effort between ITE and the Ministry of Education, Youth and Sports (MEYS), Baden-Württemberg, Germany.</p> <p>The certification will be issued by MEYS and will be similar to the one given out in Germany. ITE and MEYS will also issue a joint transcript to all graduates, reflecting the grades attained in the course.</p> <p>Graduates of the Technical Engineer Diploma in Machine Technology course will be eligible for admission to the related NUS Bachelor of Technology Programmes as well as the Universities of Applied Sciences in Baden-Württemberg, Germany.</p>		<p><i>Higher Nitec</i> with GPA 2.0 and above in:</p> <ul style="list-style-type: none"> - Mechanical Engineering - Mechatronics Engineering <p>Or</p> <p><i>Nitec</i> with GPA 3.0 and above in:</p> <ul style="list-style-type: none"> - Aerospace Machining Technology - Laser & Tooling Technology, Machine Technology - Mechatronics - Medical Manufacturing Technology - Precision Engineering

Course	Duration	Minimum Entry Requirements
<p>ITE Technical Diploma in Culinary Arts</p> <p>The Diploma is conducted by ITE in collaboration with the prestigious French culinary school, Institut Paul Bocuse.</p> <p>The certification will be issued by Institut Paul Bocuse and will be similar to the one given out in France. ITE and Institut Paul Bocuse will also issue a joint transcript to all graduates, reflecting the grades attained in the course.</p> <p>Graduates of the Technical Diploma course will have an opportunity to study in Lyon-France for a Dual Bachelor's Degree in International Hotel & Restaurant Management, delivered by the Institut Paul Bocuse and IAE-University of Lyon 3.</p>	<p>2.5 Years of College-based Training with Industry Attachment*</p>	<p><i>Higher Nitec</i> with GPA 3.0 and above in Hospitality Operations</p> <p>Or</p> <p><i>Nitec</i> with GPA 3.0 and above in:</p> <ul style="list-style-type: none"> - Asian Culinary Skills - Food & Beverage Operations - Pastry & Baking - Western Culinary Skills <p>Applicants for Technical Diploma in Culinary Arts must pass a pre-admission medical examination</p>

* Relevant work experience acquired after completion of *Nitec/Higher Nitec* courses but before the Diploma course may be recognised as fulfilling part of work experience/attachment.

Annex F

Progression from *Higher Nitec DES-to-Poly Programme* to the Polytechnics

<i>Higher Nitec DES Course</i> ¹	Related Polytechnic Courses for articulation from <i>Higher Nitec DES Course</i>	Offered by	Admitted into 1 st year if ITE raw GPA ² is at least:	Admitted into 2 nd year if ITE raw GPA ³ is at least:
Applied Sciences				
Chemical Technology	Chemical & Pharmaceutical Technology	NYP	2.5	-
	Chemical & Green Technology	NYP	2.5	-
	Environmental Science	RP	2.5	-
	Pharmaceutical Sciences	RP	2.5	-
Engineering				
Electrical Engineering	Electrical Engineering	NP	2.5	3.5
	Electronic & Computer Engineering	NP	2.5	3.5
	Electrical Engineering with Eco-Design	NYP	2.5	-
	Electronics, Computer & Communications Engineering	NYP	2.5	3.5
	Electrical & Electronic Engineering	SP	2.5	3.5
	Info-Communication Engineering & Design	SP	2.5	-
	Electrical & Electronic Engineering Programme	TP	2.5	-
Electronics Engineering	Electrical Engineering	NP	2.5	3.5
	Electronic & Computer Engineering	NP	2.5	3.5
	Electronics, Computer & Communications Engineering	NYP	2.5	3.5
	Biomedical Electronics	RP	2.5	3.5
	Electrical and Electronic Engineering	SP	2.5	3.5
	Info-Communication Engineering & Design	SP	2.5	-
	Electrical & Electronic Engineering Programme	TP	2.5	3.5 ³
Mechanical Engineering	Mechanical Engineering	NP	2.5	3.5
	Manufacturing Engineering	NYP	2.5	3.5
	Mechatronics Engineering	NYP	2.5	3.5
	Mechanical Engineering	SP	2.5	3.5
	Mechatronics & Robotics	SP	2.5	3.5
	Mechatronics/ Aerospace Engineering	TP	2.5	-
Mechatronics Engineering	Automation & Mechatronic Systems	NP	2.5	3.5
	Mechatronics Engineering	NYP	2.5	3.5
	Manufacturing Engineering	NYP	2.5	3.5
	Mechatronics & Robotics	SP	2.5	3.5
	Mechanical Engineering	SP	2.5	3.5
	Mechatronics/ Aerospace Engineering	TP	2.5	3.5 ⁴
Info-Communications Technology				
Information Technology	Information Technology	NP	2.5	-
	Engineering Informatics	NYP	2.5	3.5
	Information Technology	NYP	2.5	3.5
	Multimedia & Infocomm Technology	NYP	2.5	3.5
	Information Technology	RP	2.5	-
	Info-Communication Engineering & Design	SP	2.5	-
	Information Technology	SP	2.5	-
	Information Technology	TP	2.5	-
	Infocomm & Network Engineering	TP	2.5	-
Wireless Technology	Information Technology	NP	2.5	-
	Information Technology	RP	2.5	-
	Info-Communication Engineering & Design	SP	2.5	-
	Information Technology	SP	2.5	-
	Information Technology	TP	2.5	-
Business Information	Business Information Technology	NP	2.5	-

¹ Please note that for *Higher Nitec DES* courses in Applied Sciences, Engineering and Info-Communications Technology, in addition to the qualifying GPAs, students are required to offer and pass a Math elective at ITE to be eligible to articulate into polytechnic courses under the DES-to-Poly Programme

² Refers to ITE Grade Point Average excluding CCA bonus points

³ Applicable to Electronics, Media & Communications Technology, Computer Engineering and Microelectronics only

⁴ Applicable to Mechatronics only

Higher Nitec DES Course¹	Related Polytechnic Courses for articulation from Higher Nitec DES Course	Offered by	Admitted into 1st year if ITE raw GPA² is at least:	Admitted into 2nd year if ITE raw GPA³ is at least:
Systems				
	Business Applications	RP	2.5	-
	Business Information Systems	RP	2.5	-
	Business Information Technology	SP	2.5	-
	Business Information Technology	TP	2.5	-
Business & Services				
Accounting	Accountancy	NP	3.0	-
	Business Information Systems	RP	3.0	-
	Business Applications	RP	3.0	-
	Accounting & Finance	TP	3.0	-
	Accountancy	SP	3.0	-
Banking Services	Business Applications	RP	3.0	-
	Financial Business Informatics	TP	3.0	-
Business Studies (Admin)	Business Studies	NP	3.0	-
	Business Management	NYP	3.0	-
	Marketing	NYP	3.0	-
	Integrated Events Management	RP	3.0	-
	Customer Relationship & Service Management	RP	3.0	-
	Business Administration	SP	3.0	-
	Business/ Logistics & Operations Management/ Marketing	TP	3.0	-
	Gerontological Management Studies	TP	3.0	-
	Retail Management	TP	3.0	-
Business Studies (Event Management)	Integrated Events Management	RP	3.0	-
	Business/ Logistics & Operations Management/ Marketing	TP	3.0	-
Hospitality Operations	Hotel & Leisure Facilities Management	NP	3.0	-
	Hotel & Hospitality Management	RP	3.0	-
	Leisure & Resort Management	TP	3.0	-
	Hospitality & Tourism Management	TP	3.0	-
Integrated Logistics Management	Supply Chain Management	RP	3.0	-
	Industrial and Operations Management	RP	3.0	-
	Business/ Logistics & Operations Management/ Marketing	TP	3.0	-
Business Studies (Service Management)	Integrated Events Management	RP	3.0	-
	Customer Relationship & Service Management	RP	3.0	-
	Business/ Logistics & Operations Management/ Marketing	TP	3.0	-
	Retail Management	TP	3.0	-
Leisure & Travel Operations	Hotel & Hospitality Management	RP	3.0	-
	Gerontological Management Studies	TP	3.0	-
	Leisure & Resort Management	TP	3.0	-
	Hospitality & Tourism Management	TP	3.0	-