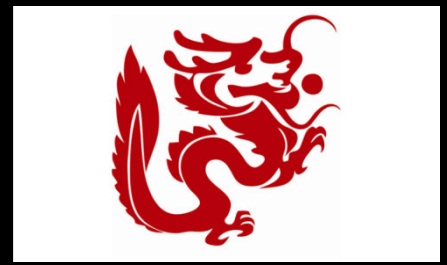
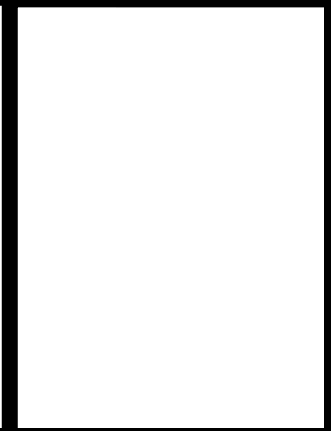
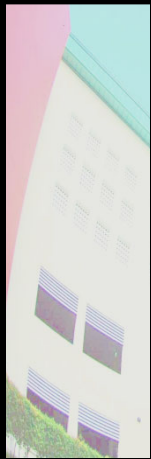


Sec 2 Streaming Talk 2021 Normal Technical Course



Outline of Presentation

- Post-Secondary Options
- Sec 3 Subject Combinations 2021
- Mobile Robotics, Food Science and Elements of Business Studies- a sharing
- Streaming Process and considerations
- Q & A



VISION



Gessians of
Excellence
Standing &
Significance



MISSION



**Nurturing the
best in each &
Striving ever
onward**



VALUES

Integrity

I

Compassion

Can

Resilience

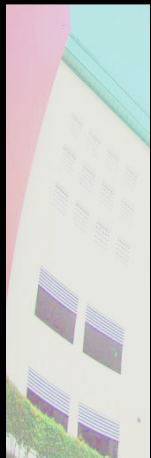
Really

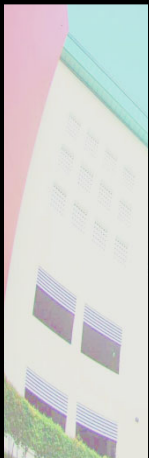
Discipline

Do

Respect

what's Right

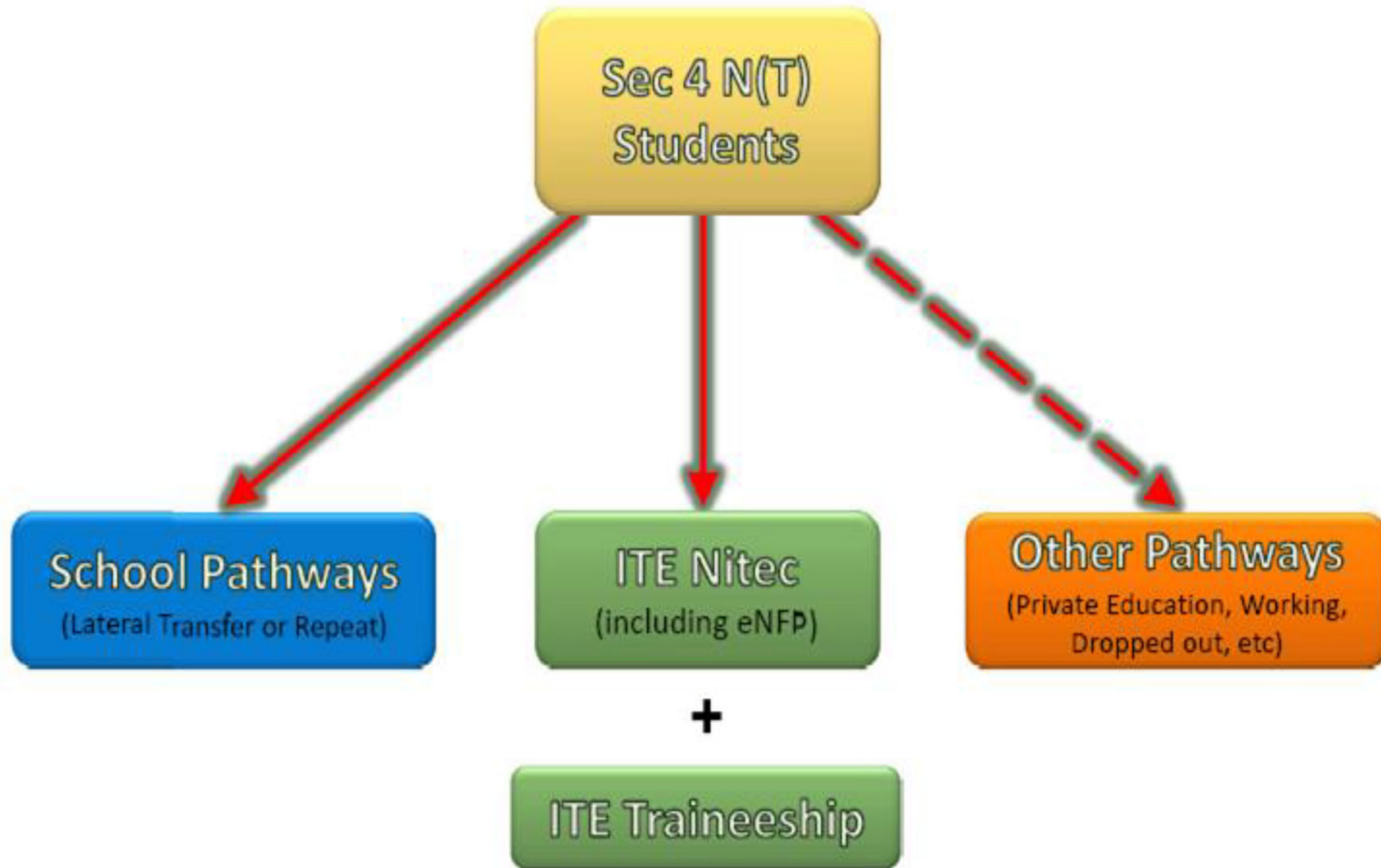




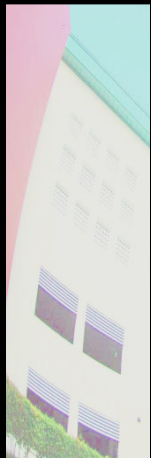
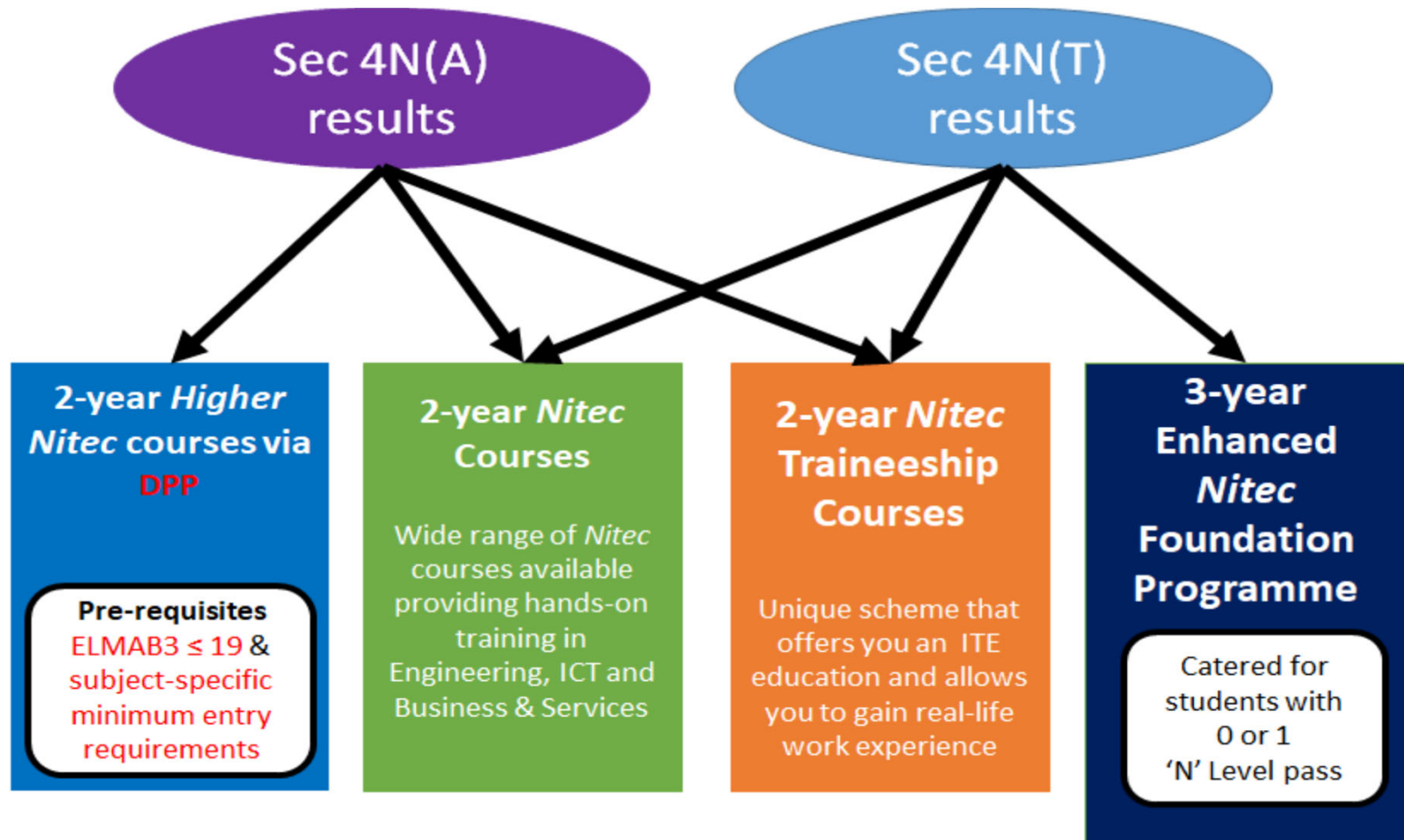
begin WITH
THE end IN
mind



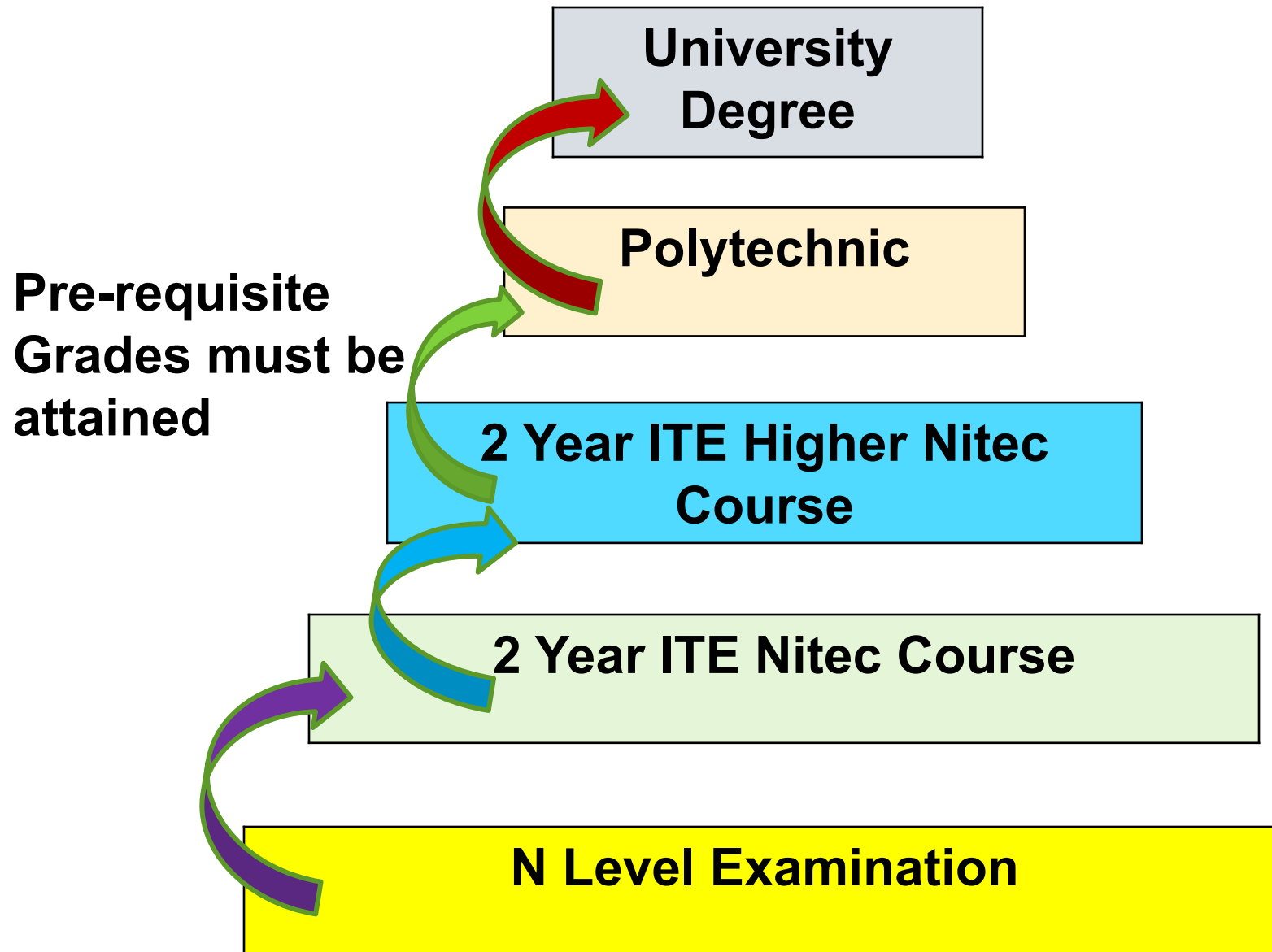
Pathways for NT Stream

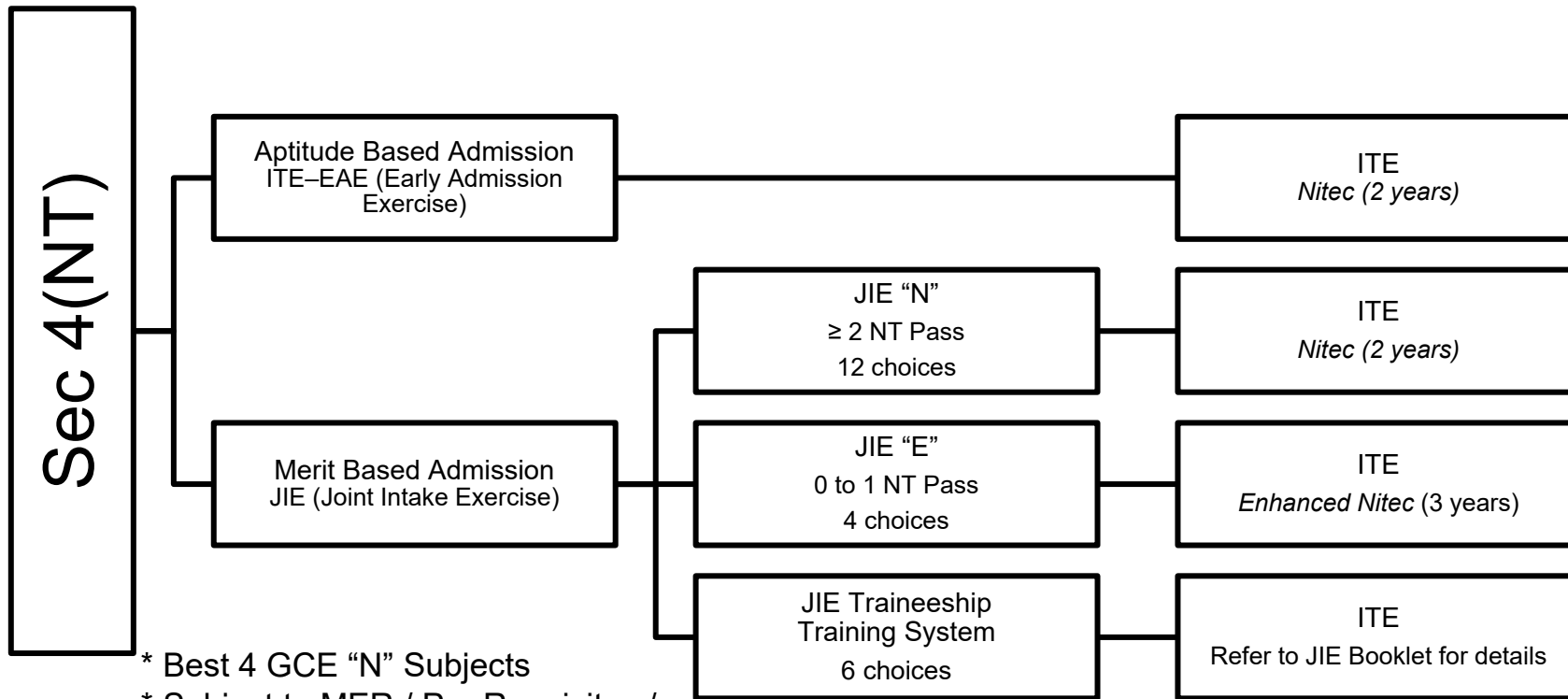


Institute of Technical Education (ITE)



Students in NT stream





* Best 4 GCE "N" Subjects

* Subject to MER / Pre Requisites / Interview

NT Grade	ITE Aggregate
A	1
B	2
C	3
D	4
U	5

NA Grade	ITE Aggregate
1, 2	1
3	2
4	3
5	4
U	5

Institute of Technical Education (ITE)

Bonus Points

The table below provides details for the computation of bonus points available. Please note that these bonus points are not taken into account when considering whether applicants are eligible for courses. The bonus points will only come into effect when the applicant has been deemed eligible and is being considered for posting based on merit.

Types of Bonus Points	Number of Bonus Points Awarded
For applicants with the following CCA grades: a) Excellent or Grades of A1 – A2 b) Good or Grades of B3 – C6	2 points 1 point
Applicants with GCE 'N (Academic)' level grades of 1 to 5 for pre-requisite subjects (e.g. Mathematics, English and Science) for the courses applied for.	2 points for each pre-requisite subject, up to a maximum of 4 points for the course applied.



MINIMUM ENTRY REQUIREMENTS

Some possible examples include:

3 GCE 'N' Passes (Grade A-D or 1-5)

in **English Language**, **Mathematics** and one other subject

in **Mathematics** or **Science** and two other subjects.

in **English Language** and two other subjects

in **Mathematics** and two other subjects

Completed N-level

How are Nitec Courses ITE Aggregate Point calculated?

NT Grade	ITE Aggregate Points
A	1
B	2
C	3
D	4
U	5

NA Grade	ITE Aggregate Points
1,2	1
3	2
4	3
5	4
U	5

CoP = Aggregate of Best 4 Subjects

Bonus Points

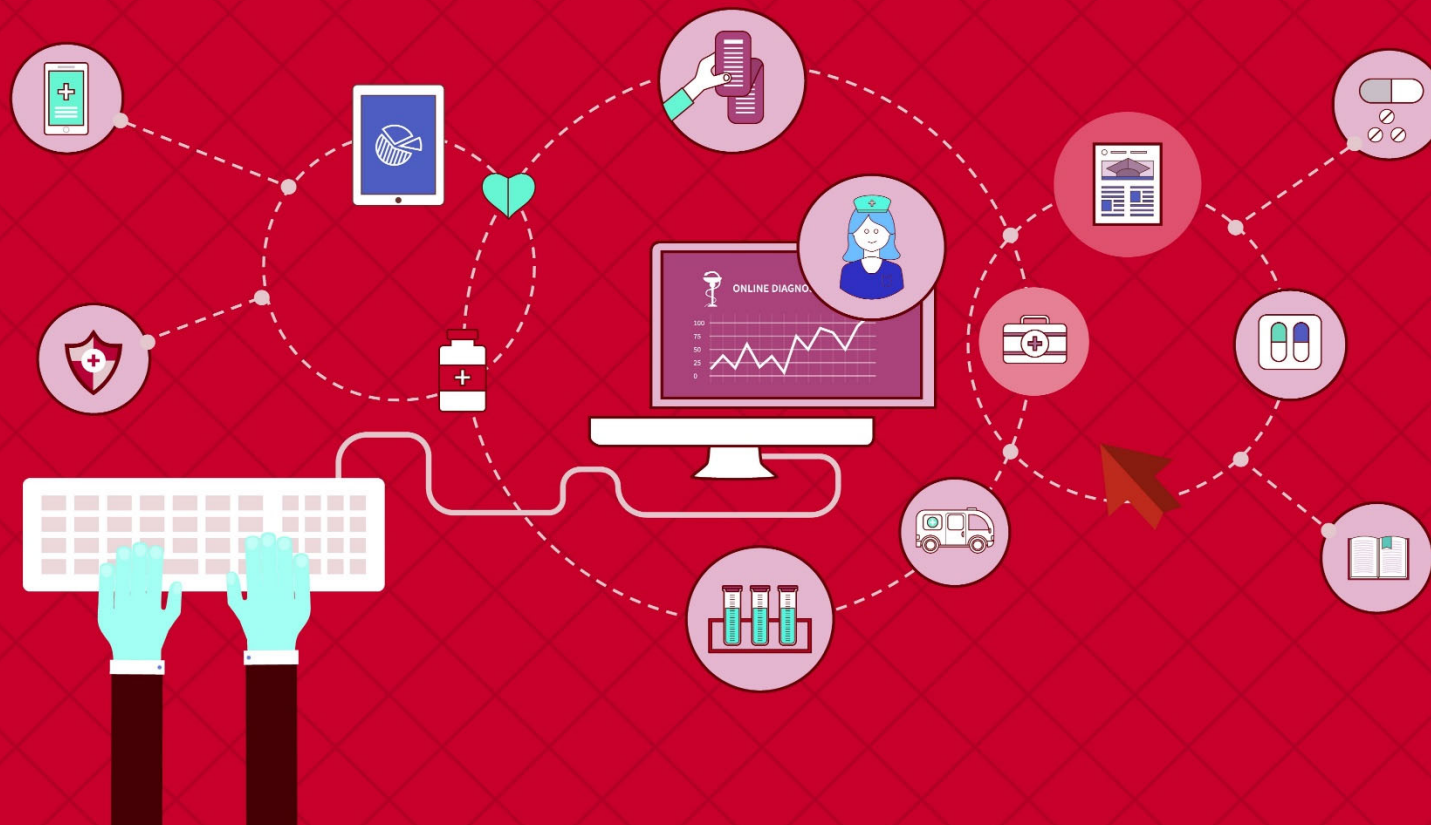
- 2 pts deducted for CCA Distinction Grades (A1 & A2)
1 pt deducted for CCA Pass Grades (Grades B3 – C6)
- For NA students, pass any pre-requisite subject(s), e.g. EL, Math or Science, deduct 2 pts up to max of 4 pts

3 ITE Campuses



SCHOOL OF APPLIED & HEALTH SCIENCES

**ONLY AT ITE
COLLEGE EAST**



Nitec Course	Minimum Entry Requirements
Applied Food Science	3 GCE 'N' Level Passes: Grade A-D or Grade 1-5 in Mathematics or Science** and two other subjects
Chemical Process Technology	OR
Community Care & Social Services	2 GCE 'O' Level Grades: Grade 1–8 in any two subjects
Opticianry	<i>Note:</i> <i>**In lieu of Science, Mobile Robotics and Smart Electrical Technology subjects can be used for admission to these courses</i>
Nursing	3 GCE 'N' Level Passes: Grade A–D or Grade 1-5 in English Language, Mathematics and one other subject OR 2 GCE 'O' Level Grades: Grade 1–8 in any two subjects

SCHOOL OF BUSINESS & SERVICES

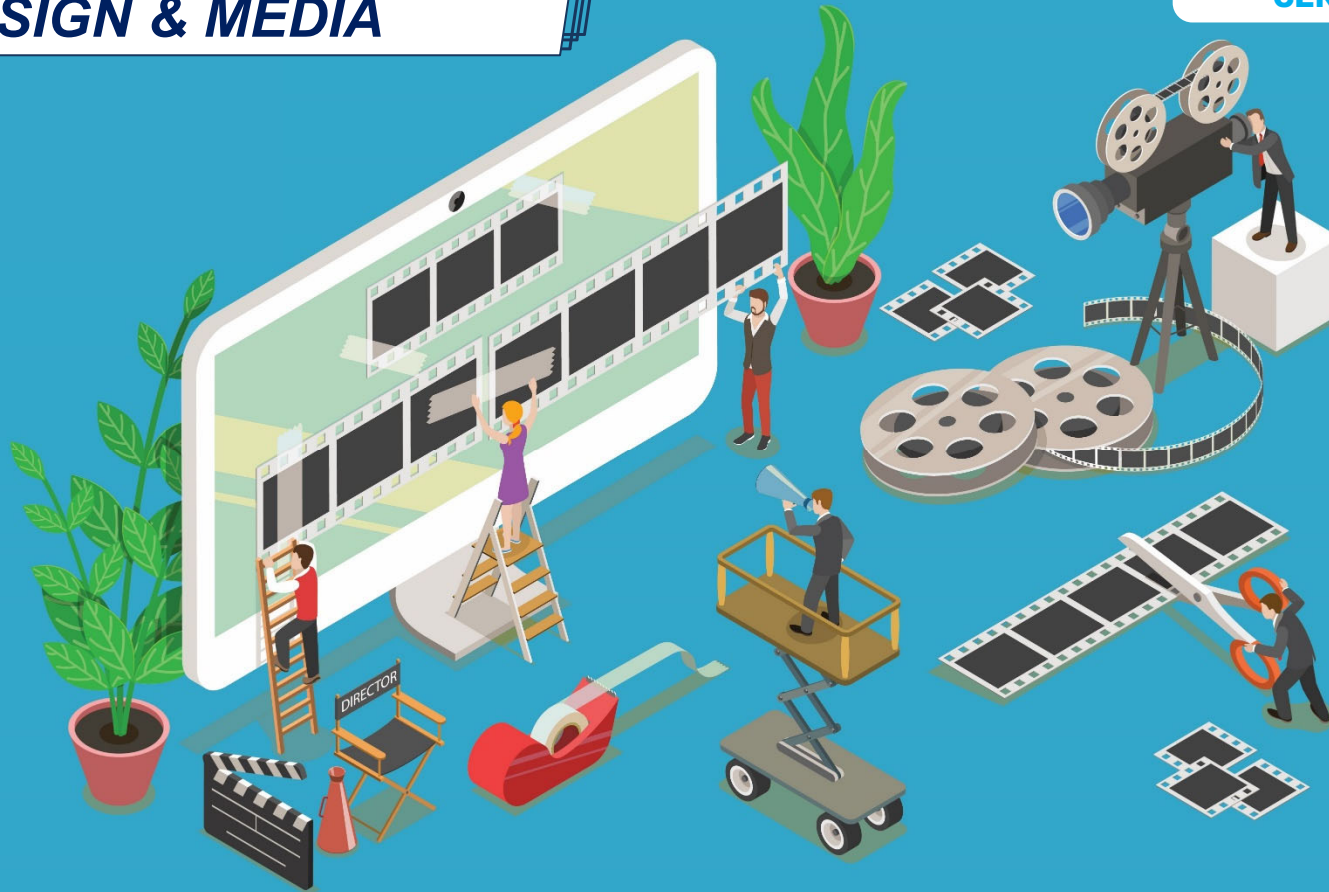


SCHOOL OF BUSINESS & SERVICES

Nitec Course	College			Minimum Entry Requirements
	Central	East	West	
Business Administration	✓	✓	✓	3 GCE 'N' Level Passes: Grade A–D or Grade 1-5 in English Language and two other subjects OR 2 GCE 'O' Level Grades: Grade 1–8 in any two subjects
Business Services	✓	✓	✓	
Fitness Training	✓	✓	✓	
Floristry	✓			
Travel & Tourism Services			✓	
Beauty & Wellness		✓		
Hair Fashion & Design		✓		Completed GCE 'N' or GCE 'O' Level
Logistics Services		✓		
Retail Services	✓	✓	✓	

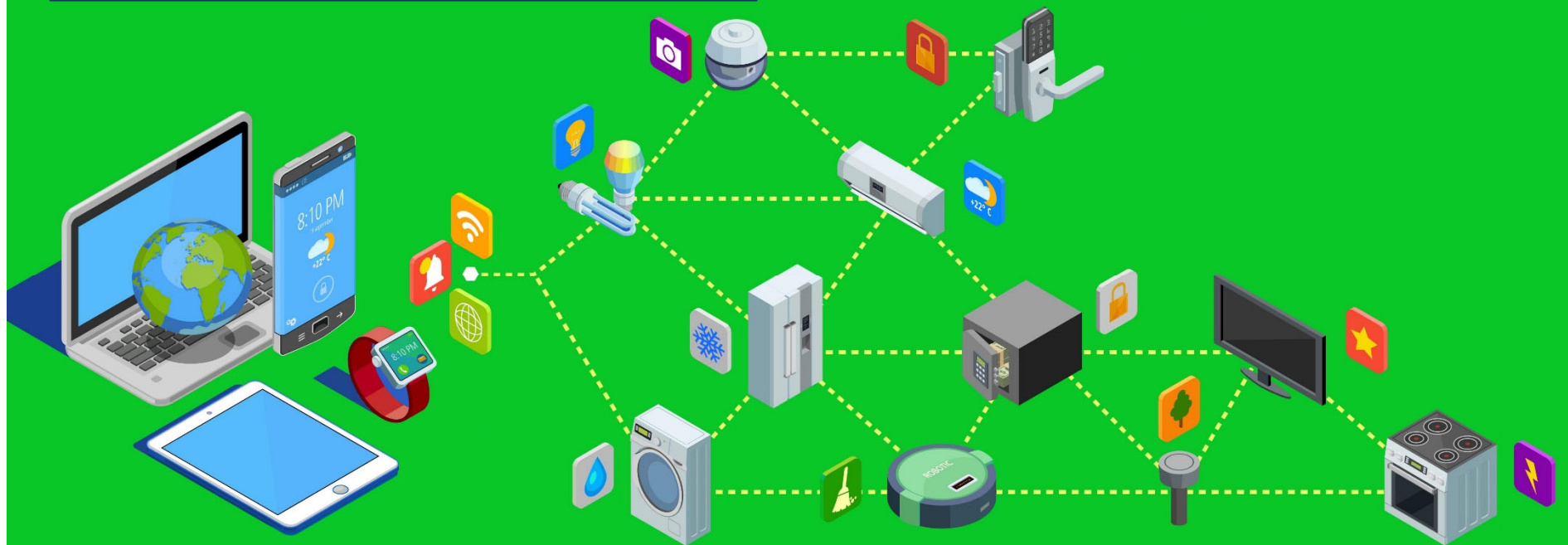
SCHOOL OF DESIGN & MEDIA

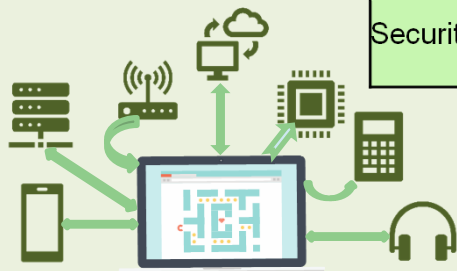
ONLY AT ITE
COLLEGE
CENTRAL



Nitec Course	Minimum Entry Requirements
Architectural Technology	<p>3 GCE 'N' Level Passes: Grade A–D or Grade 1-5 in Mathematics and two other subjects</p> <p>OR</p> <p>2 GCE 'O' Level Grades: Grade 1–8 in any two subjects</p>
Interior & Exhibition Design	
Fashion Apparel Production & Design	<p>3 GCE 'N' Level Passes: Grade A–D or Grade 1-5 in Mathematics or Science** and two other subjects</p> <p>OR</p> <p>2 GCE 'O' Level Grades: Grade 1–8 in any two subjects</p> <p><i>Note:</i> <i>** In lieu of Science, Mobile Robotics and Smart Electrical Technology subjects can be used for admission to these courses</i></p>
Video Production	
Digital Animation	<p>Completed GCE 'N' or GCE 'O' Level</p>
Product Design	
Visual Communication	<p>3 GCE 'N' Level Passes: Grade A–D or Grade 1-5 in English Language and two other subjects</p> <p>OR</p> <p>2 GCE 'O' Level Grades: Grade 1–8 in any two subjects</p>

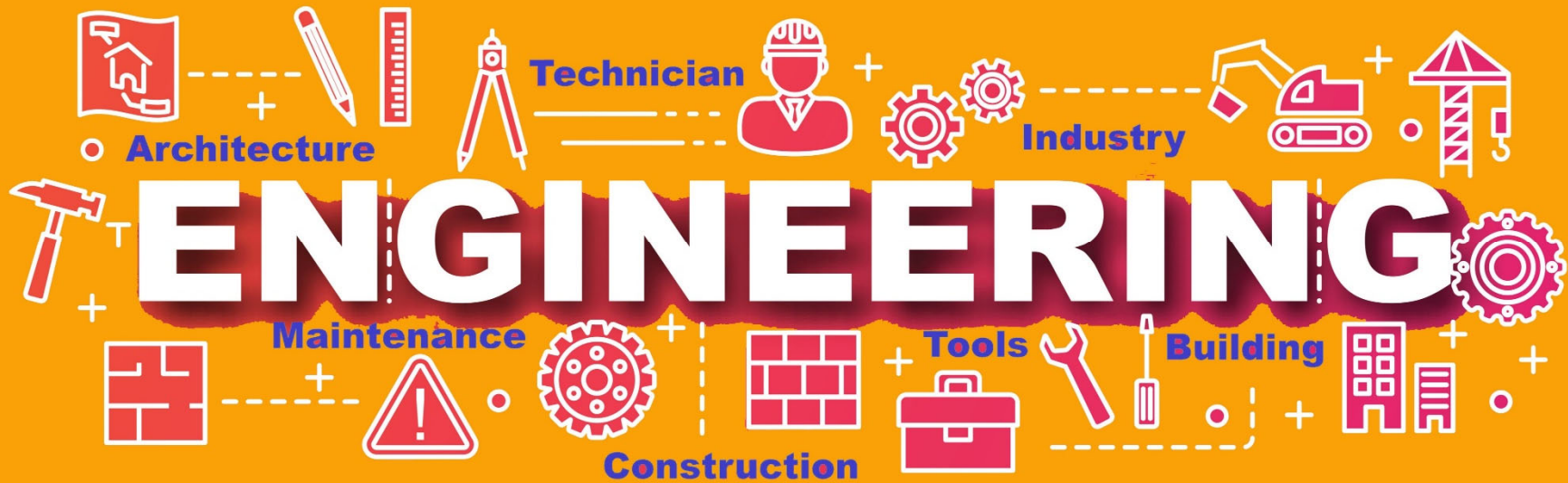
SCHOOL OF ELECTRONICS & INFO-COMM TECHNOLOGY





Nitec Course	College			Minimum Entry Requirements
	Central	East	West	
Electronics, Computer Networking & Communications	✓	✓	✓	<p>3 GCE 'N' Level Passes: Grade A–D or Grade 1-5 in Mathematics or Science** and two other subjects</p> <p>OR</p> <p>2 GCE 'O' Level Grades: Grade 1–8 in any two subjects</p> <p><i>Note:</i> <i>**In lieu of Science, Mobile Robotics and Smart Electrical Technology subjects can be used for admission to these courses</i></p>
Electronics & Internet of Things	✓			
Infocomm Technology	✓	✓	✓	
Microelectronics	✓			
Web Applications		✓		
Security Technology				
				Completed GCE 'N' or GCE 'O' Level

SCHOOL OF ENGINEERING

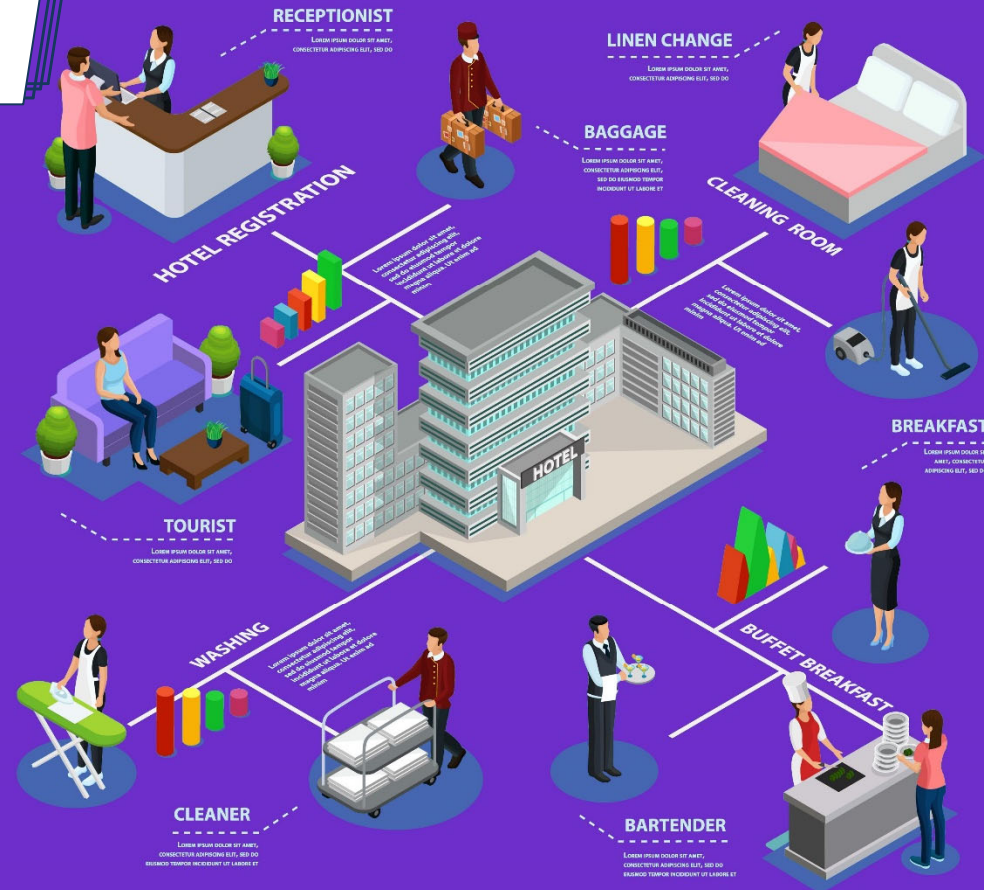


Nitec Course	College			Minimum Entry Requirements
	Central	East	West	
Aerospace Avionics	✓			3 GCE 'N' Level Passes: Grade A–D or Grade 1-5 in Mathematics and two other subjects OR 2 GCE 'O' Level Grades: Grade 1–8 in any two subjects
Aerospace Technology	✓			
Electrical Technology (Lighting & Sound)		✓	✓	
Electrical Technology (Power & Control)		✓	✓	
Aerospace Machining Technology	✓			3 GCE 'N' Level Passes: Grade A–D or Grade 1-5 in Mathematics or Science** and two other subjects OR 2 GCE 'O' Level Grades: Grade 1–8 in any two subjects <i>Note:</i> **In lieu of Science, Mobile Robotics and Smart Electrical Technology subjects can be used for admission to these courses
Digital & Precision Engineering	✓			
Mechatronics & Robotics	✓		✓	
Rapid Transit Technology			✓	

Nitec Course	College			Minimum Entry Requirements
	Central	East	West	
Automotive Technology			✓	Completed GCE 'N' or 'O' Level
Built Environment (Mechanical & Electrical Services)		✓	✓	
Built Environment (Vertical Transportation)	✓	✓	✓	
Mechanical Technology		✓		
Urban Greenery & Landscape		✓		

SCHOOL OF HOSPITALITY

ONLY AT ITC
COLLEGE WEST



<i>Nitec</i> Course	Minimum Entry Requirements
Hospitality Operations	3 GCE 'N' Level Passes: Grade A-D or Grade 1-5 in English Language and two other subjects
Pastry & Baking	OR
Western Culinary Arts	2 GCE 'O' Level Grades: Grade 1–8 in any two subjects
Asian Culinary Arts	Completed GCE 'N' or GCE 'O' Level

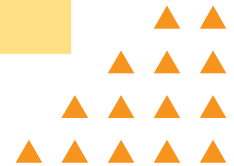




FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

Based on best 4 GCE N' subjects, including pre-requisites and bonus points

<i>Nitec</i> courses	Aggregate points
Business Administration (CC)	6
Business Administration (CE)	7
Business Administration (CW)	
Business Services (CC)	
Fitness Training (CC)	
Hospitality Operations (CW)	
Infocomm Technology (CC)	8
Business Services (CW)	
Aerospace Avionics (CC)	
Web Applications (CC)	





FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

Based on best 4 GCE N' subjects, including pre-requisites and bonus points

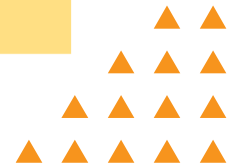
<i>Nitec</i> courses	Aggregate points
Retail Services (CC)	9
Business Services (CE)	
Visual Communication (CC)	
Electrical Technology (Lighting & Sound) (CW)	
Applied Food Science (CE)	
Logistics Services (CE)	10
Retail Services (CW)	
Digital Animation (CC)	11
Electronics, Computer Networking & Communications (CC)	
Video Production (CC)	
Aerospace Technology (CC)	12
Electrical Technology (Lighting & Sound) (CE)	
Chemical Process Technology (CE)	



FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

Based on best 4 GCE N' subjects, including pre-requisites and bonus points

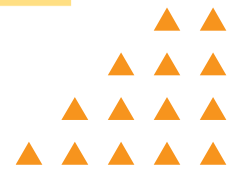
<i>Nitec</i> courses	Aggregate points
Automotive Technology (CW)	13
Mechanical Technology (CC)	
Security Technology (CW)	
Mechatronics & Robotics (CC)	
Travel & Tourism Services (CW)	
Nursing (CE)	
Architectural Technology (CC)	
Interior & Exhibition Design (CC)	
Electronics & Internet of Things (CC)	
Fashion Apparel Production & Design (CC)	





FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

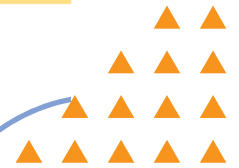
<i>Nitec</i> courses	Aggregate points
Retail Services (CE)	14
Fitness Training (CE)	
Opticianry (CE)	
Rapid Transit Technology (CW)	
Mechanical Technology (CW)	15
Fitness Training (CW)	
Floristry (CC)	
Pastry & Baking (CW)	
Electrical Technology (Power & Control) (CW)	
Aerospace Machining Technology (CC)	
Community Care & Social Services (CE)	
Electronics, Computer Networking & Communications (CE)	
Infocomm Technology (CW)	
Microelectronics (CC)	





FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

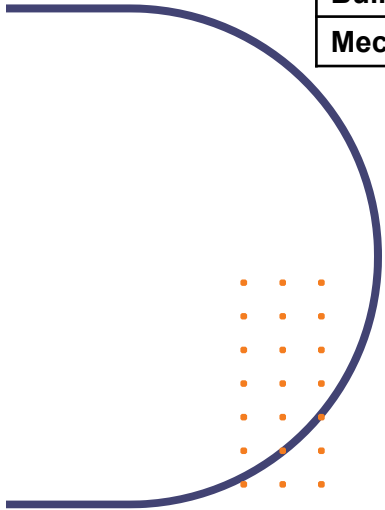
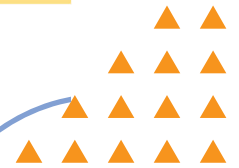
Nitec courses	Aggregate points
Built Environment (Mechanical & Electrical Services) (CE)	16
Product Design (CC)	
Electrical Technology (Power & Control) (CE)	
Digital & Precision Engineering (CC)	
Electronics, Computer Networking & Communications (CW)	
Infocomm Technology (CE)	
Mechatronics & Robotics (CW)	
Mechatronics & Robotics (CC)	
Built Environment (Vertical Transportation) (CE)	17
Urban Greenery & Landscape (CE)	
Western Culinary Arts (CW)	
Web Applications (CE)	
Web Applications (CW)	





FULL-TIME 2-YEAR NITEC COURSES AGGREGATE POINTS

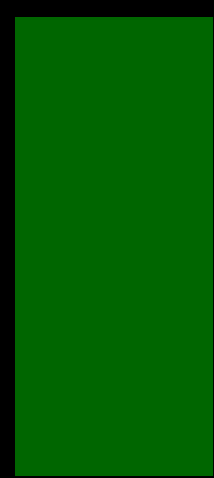
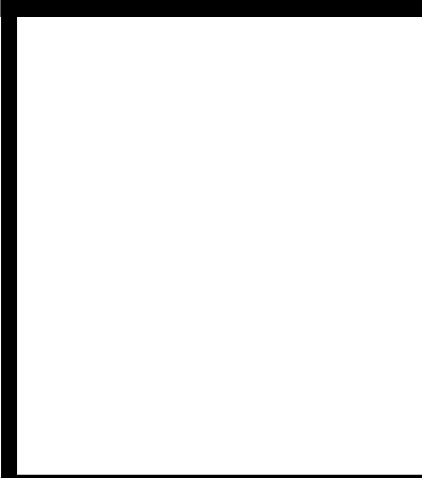
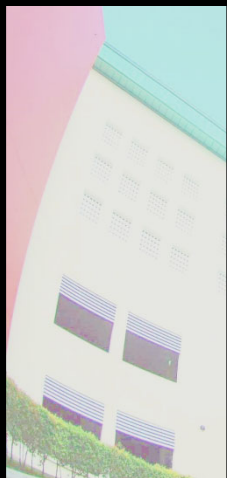
Nitec courses	Aggregate points
Hair Fashion & Design (CE)	18
Beauty & Wellness (CE)	19
Asian Culinary Arts (CW)	20
Built Environment (Mechanical & Electrical Services)(CE)	
Mechanical Technology (CE)	



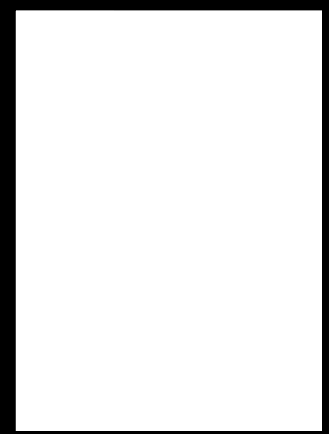
Promotional Criteria for Sec 2 NT

- Promotion to Sec 3NT
Pass (Grade D or better overall grade) in two subjects, one of which must be English Language or Mathematics
- Lateral Transfer to Sec 2 NA
Minimum of 70% in the overall percentage of all subjects combined





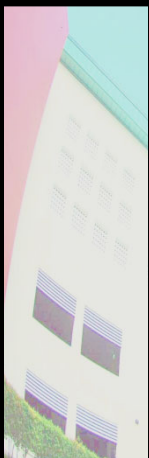
Sec 3 Subject Combinations 2022 Normal Technical Stream



GAN ENG SENG SCHOOL
Possible 2022 SEC 3 NORMAL TECHNICAL SUBJECT
COMBINATIONS

	Course A	Course B	Course C	Course D	Course E
Subject 1	English Language	English Language	English Language	English Language	English Language
Subject 2	Basic Mother Tongue	Basic Mother Tongue	Basic Mother Tongue	Basic Mother Tongue	Basic Mother Tongue
Subject 3	Mathematics	Mathematics	Mathematics	Mathematics	Mathematics
Subject 4	Computer Applications (CPA)	Computer Applications (CPA)	Computer Applications (CPA)	Computer Applications (CPA)	Computer Applications (CPA)
Subject 5	Science	Science	Science	Science	Science
Subject 6	<u>Electives:</u> Elements of Business Skills (EBS)	<u>Electives:</u> Design & Technology (D&T)	<u>Electives:</u> Mobile Robotics (MR)	<u>Electives:</u> Music	<u>Electives:</u> Food Studies

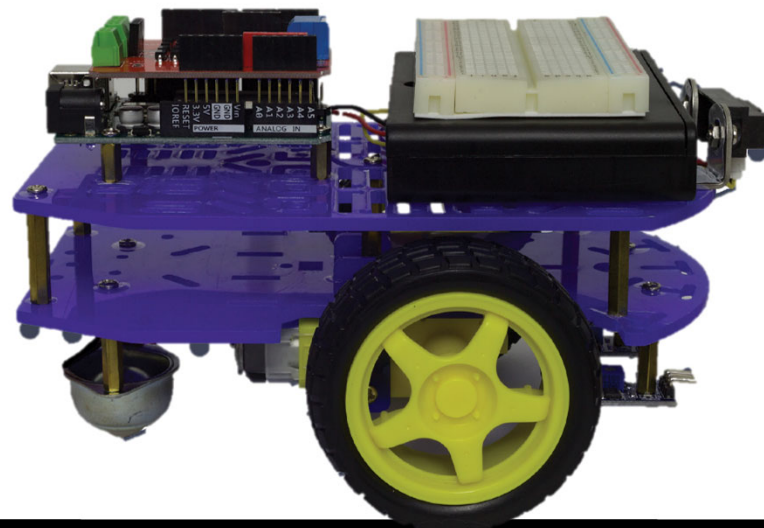




Mobile robotics

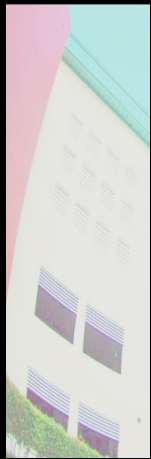
more applied subject
for NT STUDENTS

THE MOBILE ROBOT THAT
YOU WILL BUILD
IN YEAR 4 CAN BE
CONFIGURED AS A LINE-
FOLLOWER



What is mobile robotics?

- mobile robot is a robot that has the capability to move independently around its environment. It is not fixed to one physical location.
- Basic functional blocks of a mobile robot

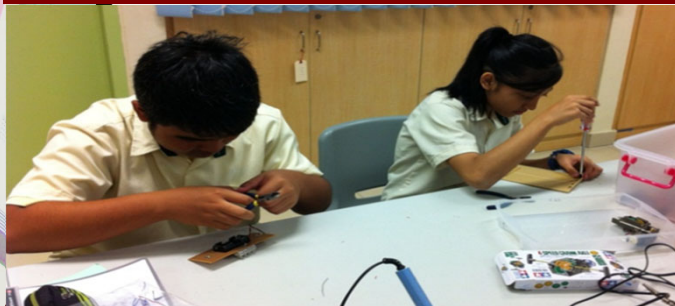


3 hrs per
week

Mobile Robotics (MR)

Aims to provide students with the experience of developing their own mobile robots and equip them with basic knowledge and skills in electrical, electronics, mechanical design and intelligent control.

Electricity and Electronics



- Basic Electricity
- Basic and Digital Electronics

Robotics



- Mobile Robotics – Introduction
- Design
- Simple Mechanism
- Material and Practical Processes
- Integration

Related Nitec

Courses

- Mechatronics
- Rapid Transit Technology
- Mechanical Technology
- Electronics



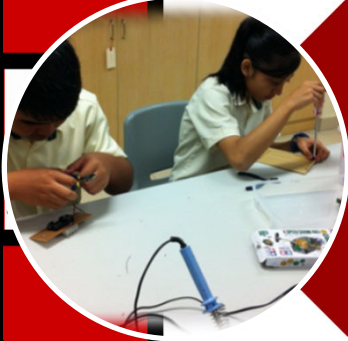
Content provided by ITE

Mobile Robotics

Assessment

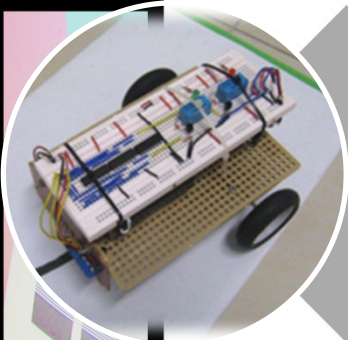
Overview

- Mobile Robotics - Introduction
- Design



Electricity and Electronics

- Basic Electricity
- Basic and Digital Electronics
- Input-Output Device



Robotics

- Simple Mechanism
- Material and Practical Processes
- Integration



Practical Assessment at End of Secondary 3 (30%)

Theory Examination (MCQ) at End of Secondary 4 (30%)

Practical Assessment at End of Secondary 4 (40%)



Content provided by ITE



Courses where MR can be used in lieu of NT Sci/Maths for admission



<i>Nitec Course</i>	School
Aerospace Machining Technology	School of Engineering
Electronics (Broadband Technology & Services)	School of Electronics & Info-comm Technology
Electronics (Computer & Networking)	
Electronics (Display Technology)	
Electronics (Instrumentation)	
Electronics (Microelectronics)	
Electronics (Mobile Devices)	



Content provided by ITE



Courses where MR can be used in lieu of NT Sci/Maths for admission

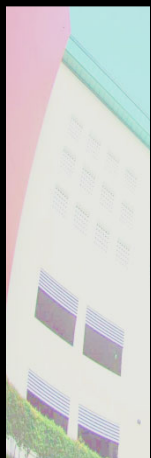


<i>Nitec Course</i>	School
Aerospace Machining Technology	School of Engineering
Electronics (Broadband Technology & Services)	School of Electronics & Info-comm Technology
Electronics (Computer & Networking)	
Electronics (Display Technology)	
Electronics (Instrumentation)	
Electronics (Microelectronics)	
Electronics (Mobile Devices)	



Content provided by ITE

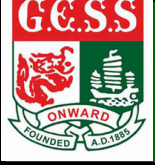




Elements of Business Skills (EBS)



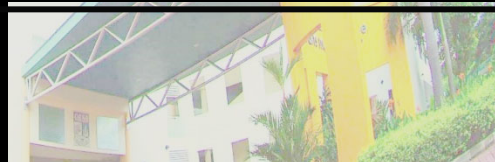
GAN ENG SENG SCHOOL
1 Henderson Road Singapore 01061



The EBS syllabus aims to provide students with the opportunity to **develop foundational business knowledge, employability skills and values** that are transferrable over different areas of work or the future.



In EBS, students will be introduced to basic business concepts, focusing on marketing and customer relations in three service industries in Singapore – **travel and tourism, hospitality and retail industries.**

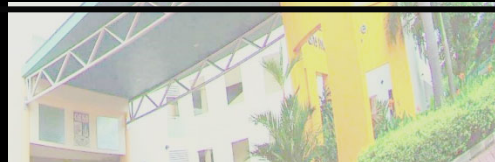
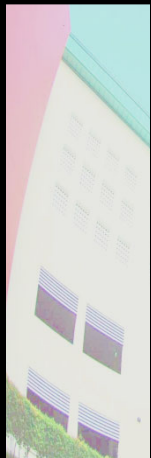


Our Quality, Their Future



Scheme of Assessment (7066, First Year of Examination – 2021) – N(T) Level

Paper	Description	Marks	Overall Weighting	Duration
1 Written	<p>There will be 4 compulsory questions from Units 1 to 3 of the syllabus, comprising short response and structured questions:</p> <p>(i) with helping words;</p> <p>(ii) requiring short answers, not necessarily in complete sentences.</p>	100	60%	1 hour 30 mins
2 Coursework	<p>The coursework requires candidates to conduct a business investigation, making use of content and skills acquired from Units 1 to 4 of the syllabus.</p> <p>Candidates in a class are required to choose different businesses in the selected service industry.</p> <p>A total of 20 hours must be assigned during curriculum time to facilitate the completion of the coursework.</p>	80	40%	20 hours of curriculum time over 10 to 14 weeks



Our Quality, Their Future



What Is the Marketing Mix?

A business needs to satisfy its target customers' needs and wants better than its competitors in order to succeed. To do this, businesses use a combination of marketing tools to attract new customers as well as retain existing ones.

These marketing tools are also known as the 4Ps of marketing:

- Product
- Price
- Place
- Promotion



▲ Fig 4.1 The marketing mix

The **marketing mix** refers to the combination of these different marketing tools to attract target customers and to rise above the competition.

It involves decisions to:

- choose the right product;
- sell it at the right price;
- make it available at the right place; and
- promote it in a way that will reach the target customers.

BUSINESS INVESTIGATION SKILL

1 Gather Information

Gathering information can be carried out through conducting a survey to find out customers' preferences and buying habits, in order to make a recommendation to improve the marketing mix.

Understand Customers' Needs and Wants

Once businesses have identified who their customers are, they can then begin to understand how to serve them better by collecting information about their needs and wants. One way to do this is by conducting a market survey, which we will discuss in this section. In Chapter 7, you will learn about other methods of gathering information.

What Is a Market Survey?

A **market survey** is a way for businesses to gather information about their customers' preferences and buying habits, in order to make a decision on the marketing mix. The actual process of conducting a market survey in the business world is very complex; some of the steps involved are shown below.



2.2 What Is Hospitality?

Hospitality refers to the warm and welcoming way in which a host receives guests and takes care of their needs.

Businesses in the Hospitality Industry

The hospitality industry refers to businesses that provide a wide range of facilities to make people feel comfortable when they are away from home. These businesses include hotels, resorts and restaurants. Their customers are known as guests.

The hospitality industry is made up of two main categories of businesses:

- Accommodation
- Food and beverage (F&B) outlets



Accommodation

When tourists arrive in Singapore for work or leisure, they need **accommodation**. The types of accommodation the tourists will stay in depends on their budget, personal preference and purpose of visit.

Accommodation available in Singapore includes:

- Hotels
- Serviced apartments
- Resorts
- Hostels



What Is Customer Service?

Customer service refers to what businesses do for their customers so that they are happy and satisfied. Customer service takes place the moment a customer enters a shop, a restaurant or an attraction. It continues even after the customer has made a purchase and left the venue.

Customer service takes place when...



▲ Fig 6.1 Different scenarios in which customer service takes place.

Integrated Resorts

Integrated resorts offer a wide range of attractions and facilities. These include hotels, food and beverage outlets, retail outlets, and amusement and theme parks.

Singapore has two integrated resorts: Marina Bay Sands® Singapore and Resorts World Sentosa™.

▼ Fig 2.7 Laser show at Marina Bay Sands

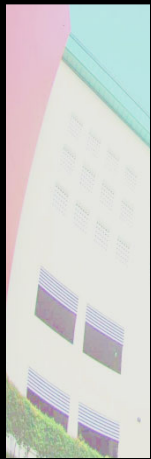


Possible career pathways

EBS will give students a good headstart if they are interested in pursuing a career in Singapore's retail, travel & tourism & hospitality industries.

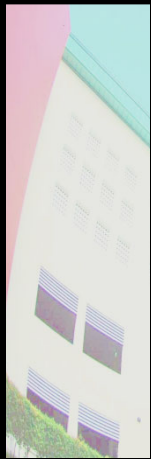
Related ITE courses:

- Nitec in Retail Services
- Nitec in Travel & Tourism Services
- Nitec in Hospitality Operations

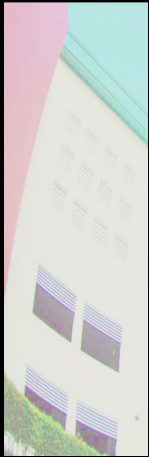


EBS is suitable for students who

- Have a keen interest in business theories and concepts,
- Content heavy
- Takes initiative to research (online & offline) and investigate businesses,
- Possesses good writing skills to analyse/evaluate existing businesses and write proposals to improve the businesses



Food Studies



Content Overview

- Meal planning and Meal analysis
 - Balanced diet
 - Basic nutrition
- Food Management
 - Sensory evaluation
 - Food safety and hygiene
Demonstration of cooking methods
- Food commodities
 - Study of main food commodities
 - Demonstration of suitable preparation and cooking practices



N(T) Level Assessment

Subject code: 6079

Paper	Duration No. of pages	Total	Format
1: Written paper	1.5 hours	40%	Section A: Short-answer type questions (20m) Section B: Data response type questions (28m) Section C: Structured-type questions (32m)
2: Coursework (Report)	35 hours 16 pages	60%	Background study (6m) Exploration (6m) Decision making (6m) Planning (12m) Execution (30m) Evaluation (6m)



Related Nitec courses

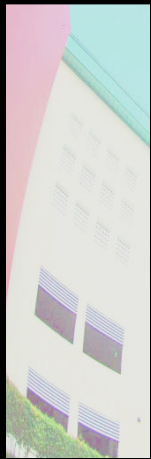
Nitec Course	College
Applied Food Science	East – Simei
Asian Culinary Arts	West – Choa Chu Kang
Western Culinary Arts	West – Choa Chu Kang
Hospitality Operations	West – Choa Chu Kang
Pastry and Baking	West – Choa Chu Kang



Which Subject Combination?

In selecting the subject combination for your child/ward, the following should be taken into consideration:

- Understanding future post-secondary options
- Realistic expectations of your child's/ward's ability to cope with the demands of the course
- Consider child's/ward's needs, interest, preferences and well-being



Basis Of Sec 2 Streaming

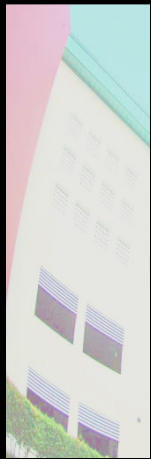
Streaming is based on:

- **Merit** (student's overall performance for 2021)

WA1+MYE+WA2+ AA+EYE

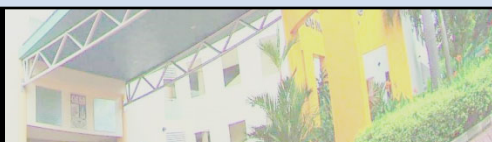
Term 1	Term 2	Term 3	Term 4
WA 1 (5%)	WA 2 (5%)	WA 3 1(10%)	AA (10%)
	MYE (20%)		EYE (50%)

- Stipulated Criteria for each course
- Student's option
- Resource and Staffing



Timeline for Streaming

Form A (16 April 2021)	Meet-the-Parents Session, followed by Form A (via Asknlearn) <u>Objective:</u> Communicate to students and their parents on expectations and subject combinations; and to gauge course demand and aspirations
Form B (28 June)	Release of Report Book after Mid-Year Exam and Issue of Form B <u>Objective:</u> Allow the students and parents to know their academics gap so that students can work hard on the right area(s) to meet and attain the expectations of their desired course.
Form C (26 Oct)	Release of Report Book after Final Term Exam and Issue of Form C <u>Objective:</u> Allow students to re-select their desired course based on their overall academics performance and school available resources.
Form D (2 Nov)	Appeal Form (Form D) after the release of course allocation on 2 Nov 2021



In Summary

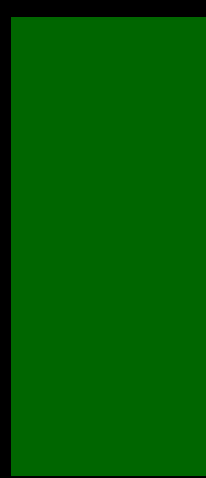
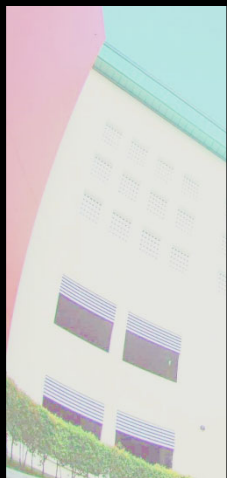
1. Continual emphasis on English Language, Mathematics and Science, amongst other subjects.
2. Complement School's efforts in establishing good study habits
3. Coach your child in the setting & monitoring of academic and holistic development targets
4. Partner the School in supporting your child's learning
5. Every subject is a good subject
6. There are multiple pathways to achieve your child's dream





ONWARD!





Q & A

