



ITE 06/18/01

Press Release No. 1/10

FOR IMMEDIATE RELEASE

ITE ROLLS OUT EIGHT NEW COURSES TO ADDRESS MANPOWER GAPS IN KEY INDUSTRIES

*New **Beauty & Spa Management** course among those offered to GCE 'O' School Leavers*

The impending opening of Singapore's two Integrated Resorts has led to a surge in the manpower demands for the leisure, hospitality and tourism sectors. The Marina Bay Sands and Resorts World at Sentosa are looking to fill tens of thousands positions, which include job openings for well-trained beauty therapists, nail and spa therapists, and beauty consultant at its beauty and spa centres.

2 To address the specialised manpower needs in the field of beauty and spa, the Institute of Technical Education (ITE) will be starting a new Beauty & Spa Management course in April 2010. The course, which leads to a Higher National ITE Certificate or *Higher Nitec*, aims to train school leavers on how to provide a full range of beauty, body and spa treatments to enhance the aesthetic appearance and wellness of clients, as well as to handle the operations of a beauty salon or spa.

Enlarging Talent Pool in the Beauty & Spa Industry

3 The industry readily welcomes the new Beauty & Spa Management course. Ms Jeannie Sim, Managing Director of The Retreat Concepts Pte Ltd, said: "We laud the move for a *Higher Nitec* programme in this field. It is getting increasingly difficult to find accomplished and competent people to support the growing spa and beauty industry. With this new course, young Singaporeans will gain a good skills set that they can apply to an industry that is ever-growing in

career choice. Spa employers will also be able to access a greater pool of talents in the near future. And we are looking forward to that."

Other New Courses

4 Besides the *Higher Nitec* in Beauty & Spa Management course, GCE 'O' school leavers can also look forward to seven other new ITE courses, to be implemented in April 2010. These include:

- *Higher Nitec* in Civil & Structural Engineering Design
- *Higher Nitec* in Facility Systems Design
- *Higher Nitec* in Information Systems Quality
- *Higher Nitec* in Mobile Unified Communications
- *Higher Nitec* in Offshore & Marine Engineering Design
- *Higher Nitec* in Process Plant Design
- *Higher Nitec* in Visual Merchandising

5 GCE 'O' school leavers with an aptitude in specialist careers may apply for these courses, each having a duration of two years. Detailed information on the courses is indicated at **Annexes A1 – A8**.

6 In addition, GCE 'O' and 'N' school leavers can also take their pick from among six new *Nitec* courses in various disciplines ranging from Biologics to Community Care & Social Services and Visual Effects. The new *Nitec* courses were first introduced to GCE 'N' school leavers in January this year.

7 In total, there are **81 courses** (32 full-time *Higher Nitec*, 49 full-time *Nitec* and 23 traineeship) offered for the April 2010 intake. These courses are in the engineering, applied & health sciences, service & hospitality, electronics & info-communications technology, and design & media clusters. (See full list at **Annex B**.)

Application Procedures

8 Application for *Higher Nitec* courses opens from **Mon 11 Jan 2010 (3.00pm) through Fri 15 Jan 2010 (4.00pm)**. School leavers who sat for the GCE 'O' level examinations in 2009 are able to submit their application online. (<http://www.moe.gov.sg/education/admissions/jae/> for *Higher Nitec* and <http://www.ite.edu.sg> for *Nitec* courses). Alternatively, applicants may apply at the ITE Colleges offering courses of their choice. For **Traineeship Courses**, applicants should apply personally at ITE Headquarters (10 Dover Drive, Singapore 138683) between Tue 12 Jan 2010 and Fri 15 Jan 2010 (9am to 5pm).

9 School leavers could also visit the ITE Colleges during the intake period for career advice. Self-service facilities for Internet application are also available at the Colleges. The list of ITE Colleges is at **Annex C**.

Media Publicity on New Courses and Intake Application

10 The media is invited to publicise the contents of this release, to enable post secondary education school leavers and their parents to be better informed about the courses, career and learning opportunities offered by ITE.

11 For more information, please contact:

Ms Valerie Ng
Head/Public Communications
Tel: 6590 2066
Email: Valerie_Ng@ite.edu.sg

Released on: 8 January 2010

The **Institute of Technical Education (ITE)**, Singapore, was established as a postsecondary education institution in 1992 under the Ministry of Education. ITE is a principal provider of career and technical education and key developer of national occupational skills certification and standards to enhance Singapore's workforce competitiveness. Under its "**One ITE System, Three Colleges**" Model of Education and Governance, ITE has three Colleges, comprising **ITE College Central, ITE College East and ITE College West**. For more information, visit: www.ite.edu.sg

HIGHER NITEC IN BEAUTY & SPA MANAGEMENT

Introduction

This two-year programme equips students with the skills and knowledge to provide a full range of beauty, body and spa treatments in a safe and hygienic environment to enhance the aesthetic appearance and wellness of clients, as well as to handle the daily operations of a beauty salon or spa.

Course Outline

At the end of the course, students should be able to conduct client consultation, manage the daily operations of a beauty salon or spa, provide facial therapy, provide make-up, provide manicure and pedicure treatment, provide paraffin hand and foot treatment, provide massage therapy, provide facial and body waxing, provide face and body electrotherapy treatments and provide spa treatments.

Training Facilities

The course will be conducted at ITE College East, which is well-equipped with state-of-the-art facilities. As a course requirement, students will be attached to job assignments in established and reputed spa organisations, beauty salons and cosmetic houses to gain industry exposure.

Entry Requirements

At least 3 GCE `O' level grades including English Language (Grade 1 to 7) and 2 other subjects (Grade 1 to 8). Applicants for the full-time course are also required to attend a selection interview and clear a pre-entry medical check-up. For progression from the *Nitec* in Beauty Therapy course, applicants are to achieve a GPA score of 2.8 and above. Module exemptions would be granted for Service Excellence, Facial Therapy and Beauty Treatment modules for applicants who have scored Grade A or B in the equivalent *Nitec* modules.

Career Prospects

Some of the job titles held by graduates include Spa Therapist, Beauty Therapist, Make-up Artist, Nail Technician, Beauty Consultant and Beauty Supervisor.

Projected Intake

The course will start off with an intake of 2 classes of 40 students for each class.

HIGHER NITEC IN CIVIL & STRUCTURAL ENGINEERING DESIGN

Introduction

Despite the global financial turmoil, Singapore's construction sector is holding out well with the construction demand to reach \$30 billion this year, slowing down in the next two years. For the year 2009, government will be investing \$18-20 billion in infrastructure projects. There are also plans to invest \$50 billion worth of civil engineering projects in the next 10 years. With a healthy level of workload for the next few years, the industry will continue to require a strong core of locals at all levels to anchor the workforce, lead and drive the industry.

Today, the building industry has an urgent shortage of skilled workers despite the downturn and weak job market. In BCA's recent survey of about 1,500 firms, mainly contracting firms, half of them indicated that they were short of manpower. It has been difficult to attract a steady pipeline of manpower, as many young people shun the industry. In view of this rising concern, the industry will need to build up a pipeline of new local entrants at the professional, technical, supervisory and tradesmen levels, to sustain the core of skilled local workers as the current pool of local construction personnel ages.

Course Outline

The *Higher Nitec* in Civil & Structural Engineering Design course provides students with the technical skills and knowledge to prepare structural drawings, reinforced concrete drawings and civil engineering drawings according to designer's sketches and specifications in compliance with architectural drawings and relevant Codes of Practice.

Students are trained to:

- Prepare civil and structural layout plans;
- Prepare civil and structural components' schedule and details such as beams, slabs, columns, foundation, roads, drainage, and sewerage;
- Prepare civil and structural detailed drawings;
- Prepare shop drawings for construction; and
- Liaise with engineers to resolve discrepancies and site problems

Training Facilities

The course will be offered at ITE College Central (Tampines Campus). The graduates of the *Higher Nitec* in Civil & Structural Engineering Design will be equipped with design-related skills besides their drafting competencies.

Entry Requirements

At least 3 GCE 'O' level grades with Grades 1 to 8 in English Language, Grades 1 to 7 in Mathematics (Elementary or Additional) and Grades 1 to 8 in an approved Science subject. Students will be admitted under the normal JAE intake exercise.

Career Prospects

Higher Nitec in Civil & Structural Engineering Design graduates are employed by government departments, statutory boards and civil structural consultancy companies in the building and construction sector. They perform a crucial role of ensuring the structural drawings, civil engineering drawings, and detailed drawings on structural building are produced to meet the needs of the users such as clients, contractors, authorities, consultants, and building occupants, at the different stages of the project. Among the job titles are Civil & Structural Draftsman, Technical Executive, Technical Officer and CAD Designer.

Projected Intake

The course will start off with an annual intake of 1 class of 32 students.

HIGHER NITEC IN FACILITY SYSTEMS DESIGN

Introduction

The construction sector annual GDP grew at 20.3% in 2008. The construction demand in 2008 was \$34.6 billion. The BCA forecast the construction demand for 2009 to 2011 to be strong at \$22 billion to \$27 billion. Feedback from industry indicates that owing to technological advancement and industry and statutory requirements for electronic submission of drawings, the demand for skilled draughtsman is lowered due to greater use of CAD tools by draughtsman and engineers. There is also an increasing preference for many companies, especially MNCs and big companies, to employ Diploma holders as draughtsman as employers expect draughtsman to perform simple design and detailing work independently in addition to routine drafting work.

The new *Higher Nitec* in Facility Systems Design course is introduced to expand the depth of coverage of the required skills and knowledge in the Mechanical and Electrical specialization modules of the existing *Higher Nitec* in MEED course and to strengthen the design concepts in the drafting curriculum so that graduates, who can generally work as Draughtsman or Assistant Designers, will be able to provide more seamless and value-added support to the engineers and designers.

Course Outline

The *Higher Nitec* in Facility Systems Design course provides students with technical skills and knowledge to prepare working drawings and assist in the design of air-conditioning and mechanical ventilation systems, electrical installations and control systems, fire protections and fighting systems, water supply and sanitary systems with application software.

Training Facilities

The course will be offered at ITE College Central (Tampines Campus).

Entry Requirements

At least 3 GCE 'O' level grades with Grade 1 to 8 in English Language, Grade 1 to 7 in Mathematics (Elementary or Additional), and Grade 1 to 8 in an approved Science subject.

Career Prospects

Higher Nitec in Facility Systems Design graduates are employed by companies in the building industry. These include companies providing engineering consultancy services involved in building services such as electrical installations, air-conditioning ducting, fire protection, water supply and sanitary plumbing. Some of the job titles held by graduates include Facility Systems CADD Specialist, Facility Systems Assistant Designer and Mechanical & Electrical Draughtsman. There are excellent opportunities for career advancement to supervisory

positions and beyond. The challenge is for students to prepare themselves by upgrading their technical skills and knowledge by taking up higher-level courses.

Projected Intake

The course will start off with an annual intake of 1 class of 36 students per course.

HIGHER NITEC IN INFORMATION SYSTEMS QUALITY

Introduction

IT systems support has become indispensable for the majority, if not all of today's business processes. In the development and upgrading of these IT systems, proper testing and quality assurance is a critical part of the software development process. Since 2006, the School EIT at College Central has partnered with IBM Singapore Pte Ltd. These students were subsequently attached to IBM Singapore Pte Ltd and their partner companies to support software testing and quality assurance related work. Upon completion of their industry attachments these students were offered jobs immediately at pay scales comparative to that of polytechnic graduates.

Course Outline

This course provides students with broad-based skills and knowledge in Software Testing and Quality Assurance so as to enable them to test software applications and manage quality objectives. On completion of the course, students should be able to apply software delivery and quality management practices; conduct manual and automated software functional tests; conduct software performance tests; and conduct software security tests.

Training Facilities

The new *Higher Nitec* in ISQ course will be implemented at the ITE College Central's School of EIT (SEIT) with effect from Apr 2010.

Entry Requirements

At least 3 GCE 'O' Level Grades as follows: Grade 1 - 8 in English Language, Grade 1 - 7 in Mathematics (Elementary or Additional) and Grade 1 - 8 in an approved Science subject.

Career Prospects

Higher Nitec in Information Systems Quality graduates are employed by both private and public sector organisations to support software systems development. Some of the job titles held by the graduates include System Tester, Test Specialist, Quality Assurance Analyst, and Application Support Analyst.

Projected Intake

An initial intake of 80 students ie 2 classes of 40 students per class.

HIGHER NITEC IN MOBILE UNIFIED COMMUNICATIONS

Introduction

Mobile unified communications has become the way to integrate and extend real-time person-to-person communications throughout the enterprise and across the public telephone networks and the mobile operator domain. The growth in this implementation of unified communications solutions across different screens/devices - phones, personal digital assistants (PDAs) spurred ITE to develop the Higher Nitec in Mobile Unified Communications course.

Course Outline

This course provides students with broad-based skills and knowledge in mobile unified communications to install and maintain unified communications infrastructure, including integrated control and management of communication channels (voice, video, data), networks, systems and devices to support business operations and social activities. On completion of the course, students should be able to:

- Establish telecommunications network performance by installing voice and data networks, communications software, equipment, and network facilities
- Maintain and troubleshoot all hardware related to VoIP telephony platform, Session Initialisation Protocol (SIP) gateways and SIP phones
- Provide support for Next Generation Network (NGN), Internet, Multiprotocol layer switching (MPLS), VoIP
- Develop customised IP phone applications for real-time communications (XML)
- Deploy a unified communication solution
- Maintain and support the mobile extension to the enterprise unified communications (Mobile unified client-server for enterprise telephony features like unified messaging, voicemail, remote call control, Wi-Fi mobile extension)
- Solving enterprise business applications with unified communications platform
- Deploy audio and video conferencing technologies using IP networks
- Develop mobile device applications for enterprise, corporate, social (games)
- Perform general LAN/WAN and WLAN installation, configuration & administration
- Perform corrective and preventive maintenance and system optimisation
- Perform preventive maintenance

Training Facilities

Training is conducted on a modular basis. Students have to complete core and life skills modules, as well as a number of electives to obtain the necessary credits for certification.

Entry Requirements

At least 3 GCE 'O' Level passes, Grade 1-8 in English Language, Grade 1-7 in Mathematics (Elementary or Additional) and Grade 1-8 in an approved Science subject. Applicants must also be free from colour recognition deficiency.

Career Prospects

Higher Nitec in Mobile Unified Communications graduates are employed by the computer & IT, mobile or telecommunication establishments such as mobile service providers, network solution integrators, mobile phone manufacturers; as well as business organisations. Some of the job titles held by graduates include Unified Network Support Associate, Unified Communications Support Associate, Network Support Specialist, Network Technician and Unified Communications Technology Specialist.

Projected Intake

40 students (1 class) in its first year and will be subjected to periodic reviews in accordance with industry requirements.

HIGHER NITEC IN OFFSHORE & MARINE ENGINEERING DESIGN

Introduction

Singapore is the largest manufacturer of jack-up rigs, and commands 70% of the world market. It also has 70% of the global market for the conversion of Floating Production Storage Offloading units. In ship repair, it has a 20% share of the world market. In 2008, the marine & offshore engineering sector continued to be buoyant and grew 9.3%.

Feedback from industry indicates that owing to technological advancement and industry, the demand for skilled draughtsman is lowered due to greater use of CAD tools by draughtsman and engineers. There is also an increasing preference to employ Diploma holders as draughtsman as employers expect draughtsman to perform simple design and detailing work independently in addition to routine drafting work.

The new *Higher Nitec* in Offshore & Marine Engineering Design course is introduced to expand the depth of coverage of the required skills and knowledge in the Marine & Offshore Structure specialization modules of the existing *Higher Nitec* in MEED course and to strengthen the design concepts in the drafting curriculum so that graduates, who can generally work as Draughtsman or Assistant Designers, will be able to provide more seamless and value-added support to the engineers and designers.

Course Outline

The *Higher Nitec* in Offshore & Marine Engineering Design course provides students with technical skills and knowledge prepare working drawings and assist in the offshore and marine engineering design with application software for the following areas:

- Offshore and marine accommodation
- Offshore and marine life savings and fire fighting appliances
- Offshore and marine structure
- Offshore and marine piping system including piping for fuel oil, lubrication, engine exhaust, hydraulics, pneumatics and water supply
- Offshore and marine electrical system and controls
- Offshore and marine Heating, Ventilation and Air-Conditioning (HVAC) systems

Training Facilities

The course will be offered at ITE College Central (Tampines Campus). The activity-based-learning environment approach enables students to experience training through approaches to enable students to have a complete outline of what they are learning and how they fit into the real work situation and it will also provide students with a learning environment which is authentic, fun and real (industry projects).

Entry Requirements

At least 3 GCE 'O' level grades with Grade 1 to 8 in English Language, Grade 1 to 7 in Mathematics (Elementary or Additional), and Grade 1 to 8 in an approved Science subject.

Career Prospects

Higher Nitec in Offshore & Marine Engineering Design graduates are employed by shipyards and other supporting companies which design and provide services on the repair, fabrication, refurbishment of all types of vessels, offshore structures in the marine and offshore industry. Some of the job titles held by graduates include Offshore & Marine Engineering CADD Specialist, Offshore & Marine Engineering Assistant Designer and Offshore & Marine Structure Draughtsman.

Projected Intake

The course will start off with an annual intake of 1 class of 36 students per course.

HIGHER NITEC IN PROCESS PLANT DESIGN

Introduction

The chemical industry is a key pillar of Singapore's economy. Singapore's Jurong Island is among the world's top 10 petrochemical hubs.

Feedback from industry indicates that owing to technological advancement and industry, the demand for skilled draughtsman is lowered due to greater use of CAD tools by draughtsman and engineers. There is also an increasing preference to employ Diploma holders as draughtsman as employers expect draughtsman to perform simple design and detailing work independently in addition to routine drafting work.

The new *Higher Nitec* in Process Plant Design course is introduced to expand the depth of coverage of the required skills and knowledge in the Plant & Mechanical specialization modules of the existing *Higher Nitec* in MEED course and to strengthen the design concepts in the drafting curriculum so that graduates, who can generally work as Draughtsman or Assistant Designers, will be able to provide more seamless and value-added support to the engineers and designers.

Course Outline

The *Higher Nitec* in Process Plant Design course provides students with technical skills and knowledge to prepare working drawings and assist in the design of process plants with application software for the following areas:

- Process piping system including P & ID (Process and Instrumentation) diagrams, piping layouts and details, tanks and vessels
- Process plant mechanical components and assembly
- Process plant structures including steel frame structures and civil foundation
- Process plant piping support

Training Facilities

The course will be offered at ITE College Central (Tampines Campus).

Entry Requirements

At least 3 GCE 'O' level grades with Grade 1 to 8 in English Language, Grade 1 to 7 in Mathematics (Elementary or Additional), and Grade 1 to 8 in an approved Science subject.

Career Prospects

Higher Nitec in Process Plant Design graduates are employed by companies involved in Front End Engineering Design (FEED), Engineering Procurement, Construction/Design (EPC/EPCCD)

for the Oil and Gas, Petrochemical and Pharmaceutical Industries. Some of the job titles held by graduates include Process Plant CADD Specialist, Process Plant Assistant Designer and Process Piping Draughtsman.

Projected Intake

The course will start off with an annual intake of 1 class of 36 students per course.

HIGHER NITEC IN VISUAL MERCHANDISING

Introduction

Singapore is poised to be the leading retail destination in Asia with the rejuvenation of shopping belts, new retail concepts and integration of lifestyle activities. The opening of the integrated resorts would expand the range of retail space and retail offerings. Being well-heeled and well-travelled, customers have high expectations of what they would like to experience and immerse themselves when they step into the retail environment. Visual Merchandisers and Experience Designers play a pivotal role in projecting the right image and experience to appeal to the needs of the customers.

Course Outline

Students will learn to conceptualise, design and implement window and in-store displays. Unlike other local tertiary institutions where visual merchandising is offered as a specialised module, *Higher Nitec* in Visual Merchandising course is a complete programme that trains aspiring visual merchandiser to apply display techniques to create window and interior displays in shops and department stores that are cohesive with marketing strategies and with the use of environment, lighting and professional fixtures and forms in enhancement of effective visual displays. The tasks the students can perform are:

- Keep up with retail market trend to ensure that the display is current and congruent with trend and store image
- Develop visual display plan
- Execute visual display plan
- Create appealing display environment
- Create signage and graphics
- Produce props
- Maintain retail display

Training Facilities

Students would be given the opportunity to apply the principles and elements of visual merchandising to conceptualise and express their creative ideas in the visual merchandising studio that simulate the actual working environment. Students should also be making use of environment, lighting, fixtures and forms to enhance the presentation.

Entry Requirements

At least 3 GCE 'O' Level passes, Grade 1-7 in English Language and Grade 1-8 in two other subjects. To be eligible for selection, applicants must also have sat for Mathematics.

Career Prospects

Graduates are employed by the retail or service establishments, such as department stores, shopping malls, and specialty stores. They perform a crucial role in ensuring that the window and in-store displays are designed and implemented according to market and fashion trends. Some of the job titles held by graduates include Visual Merchandiser, Display Artist, Retail Stylist and Visual Exhibition Designer.

Projected Intake




80 students annually over the next five years.



Annex B

FULL-TIME HIGHER NITEC COURSES AND ENTRY REQUIREMENTS

GCE 'O' level holders can apply for the following full-time Higher National ITE Certificate (*Higher Nitec*) courses:

<i>Higher Nitec Courses</i>	Entry Requirements
Applied & Health Sciences	
<p>Duration : 3 Years and 3 Months <i>Higher Nitec</i> in Paramedic & Emergency Care and <i>Nitec</i> in Nursing (Dual Certification Course) ①③</p> <p>Students will receive both <i>Higher Nitec</i> in Paramedic & Emergency Care and <i>Nitec</i> in Nursing certificates upon successful completion of the 3 years and 3 months dual certification course.</p>	<p>3 GCE 'O' Grades: Grade 1 to 7 in English Language Grade 1 to 7 in Mathematics (Elementary or Additional) Grade 1 to 7 in an approved Science subject#</p>
<p>Duration : 2 Years Biotechnology</p>	<p>3 GCE 'O' Grades: Grade 1 to 8 in English Language Grade 1 to 7 in Mathematics (Elementary or Additional) Grade 1 to 8 in an approved Science subject#</p>
<p>Chemical Technology</p>	
<p>Duration : 2 Years Accounting</p>	<p>3 GCE 'O' Grades: Grade 1 to 7 in English Language Grade 1 to 7 in Mathematics (Elementary or Additional) or Principles of Accounts Grade 1 to 7 in one other subject</p>
<p>Banking Services</p>	
<p>Business Studies (Administration) ④</p>	<p>3 GCE 'O' Grades: Grade 1 to 6 in English Language Grade 1 to 8 in Mathematics (Elementary or Additional) Grade 1 to 7 in one other subject</p>
<p>Business Studies (Event Management)</p>	
<p>Business Studies (Service Management) ④</p>	
<p>Business Studies (Sport Management) ③</p>	
<p>Hospitality Operations ③④</p>	
<p>Leisure & Travel Operations ③④</p>	

Higher Nitec Courses	Entry Requirements
<p>Duration : 2 Years</p> <p>Beauty & Spa Management ②③ </p>	<p>3 GCE 'O' Grades:</p> <p>Grade 1 to 7 in English Language</p> <p>Grade 1 to 7 in two other subjects</p> <p>To be eligible for selection, you must also have sat for Mathematics.</p>
<p>Early Childhood Education ②</p>	<p>3 GCE 'O' Grades:</p> <p>Grade 1 to 4 in English Language</p> <p>Grade 1 to 6 in two other subjects</p> <p>To be eligible for selection, you must also have sat for Mathematics.</p>
<p>Integrated Logistics Management</p>	<p>3 GCE 'O' Grades:</p> <p>Grade 1 to 7 in English Language</p> <p>Grade 1 to 7 in Mathematics (Elementary or Additional)</p> <p>Grade 1 to 7 in one other subject.</p>
<p>Visual Merchandising ①③ </p>	<p>3 GCE 'O' Grades:</p> <p>Grade 1 to 7 in English Language</p> <p>Grade 1 to 8 in two other subjects</p> <p>To be eligible for selection, you must also have sat for Mathematics.</p>
Engineering	
<p>Duration : 2 Years</p> <p>Civil & Structural Engineering Design </p>	<p>3 GCE 'O' Grades:</p> <p>Grade 1 to 8 in English Language</p> <p>Grade 1 to 7 in Mathematics (Elementary or Additional)</p> <p>Grade 1 to 8 in an approved Science subject#</p>
<p>Electrical Engineering ①④</p>	
<p>Electronics Engineering ①④</p>	

Higher Nitec Courses	Entry Requirements
Engineering	
Facility Systems Design/  Process Plant Design/ Offshore & Marine Engineering Design The first year is common to all students. At the end of first year, students will select one of the following <i>Higher Nitec</i> courses based on merit: <ol style="list-style-type: none"> i. <i>Higher Nitec</i> in Facility Systems Design ii. <i>Higher Nitec</i> in Process Plant Design iii. <i>Higher Nitec</i> in Offshore & Marine Engineering Design 	3 GCE 'O' Grades: Grade 1 to 8 in English Language Grade 1 to 7 in Mathematics (Elementary or Additional) Grade 1 to 8 in an approved Science subject#
Marine Offshore Engineering	
Mechanical Engineering ④	
Mechatronics Engineering ①④	
Network Security Technology ①④	
Security System Integration ①④	
Duration : 2 Years Games Design & Development	
Business Information Systems ①	3 GCE 'O' Grades: Grade 1 to 8 in English Language Grade 1 to 7 in Mathematics (Elementary or Additional) Grade 1 to 8 in an approved Science subject#
Information Systems Quality 	
Duration : 2 Years	3 GCE 'O' Grades:

Higher Nitec Courses	Entry Requirements
Information Technology ①④	Grade 1 to 8 in English Language Grade 1 to 7 in Mathematics (Elementary or Additional)
Mobile Unified Communications ①	Grade 1 to 8 in an approved Science subject#
Wireless Technology ①	

Approved Science subjects are Physics; Chemistry; Biology; Physical Science; Engineering Science; Science (Physics/Chemistry); Science (Physics/Chemistry/Biology); Science (Physics/Biology), Science (Chemistry/Biology), Integrated Science and Combined Science.
 @ Approved Science subjects are Physics; Physical Science; Engineering Science; Science (Physics/Chemistry); Science (Physics/Chemistry/Biology); Science (Physics/Biology), Integrated Science and Combined Science.

In order that students admitted can benefit from ITE training, it is important that they are physically and medically fit to pursue the courses offered. Applicants with existing physical/medical conditions may be considered for other courses more suitable than the courses offered, where appropriate. For further assistance on course advising before the submission of application, please call Customer Service Centre on Tel 1800-CALL ITE (1800-2255-483).

Notes:

① Applicants applying for these courses must ensure that they do not suffer from colour appreciation deficiency. Colour vision test will be conducted for applicants enrolled into these courses. The colour vision test is available over the Internet and at the ITE campuses conducting these courses. Please take the test before submitting your application if you are not sure whether you are free from colour appreciation deficiency.

② Applicants applying for Higher Nitec in Early Childhood Education and Higher Nitec in Beauty & Spa Management have to pass a pre-admission medical examination.

SPECIAL ADMISSIONS EXERCISE (SAE)

③ ITE also conducts a Special Admissions Exercise for admission to the following courses. Interested applicants may apply directly at the campus offering the course by the closing date (same closing date as Joint Admissions Exercise) during office hours (Mon to Fri, 8am to 6pm). Applicants may receive offers from both Special Admissions Exercise and Joint Admissions Exercise but they are allowed to accept only one offer. All offers that are not taken up by the stipulated date given will lapse.

Higher Nitec in Beauty & Spa Management

Besides the JAE, ITE College East also conducts a Special Admissions Exercise (SAE) for those who possess a good service mindset, pleasant disposition and good skin complexion and enjoy working in the beauty and spa industry to apply for *Higher Nitec* in Beauty & Spa Management. Applicants who are interested to apply for the course may check directly with ITE College East for more information. Shortlisted candidates under SAE are required to attend an interview before the final selection. All applicants also have to pass a pre-admission medical examination.

Higher Nitec in Business Studies (Sport Management)

Besides the JAE, ITE College East also conducts a Special Admissions Exercise (SAE) for those who possess a strong sports background and healthy lifestyle mindset to apply for *Higher Nitec* in Business Studies (Sport Management). Applicants who are interested to apply may check directly with ITE College East for more information. Shortlisted candidates under SAE are required to attend an interview before the final selection.

Higher Nitec in Hospitality Operations

Besides the JAE, ITE College West (*Clementi Campus*) also conducts a Special Admissions Exercise (SAE) for those who possess a strong affinity towards customer service and have an outgoing personality to apply for *Higher Nitec* in Hospitality Operations. Applicants who are interested to apply may check directly with ITE College West (*Clementi Campus*) for more information. Shortlisted candidates under SAE are required to attend an interview before the final selection.

Higher Nitec in Leisure & Travel Operations

Besides the JAE, ITE College West (*Clementi Campus*) also conducts a Special Admissions Exercise (SAE) for those who possess the right service attributes, have a pleasant disposition and an outgoing personality and enjoy working in the tourism industry to apply for *Higher Nitec* in Leisure & Travel Operations. Applicants who are interested to apply may check directly with ITE College West (*Clementi Campus*) for more information. Shortlisted candidates under SAE are required to attend an interview before the final selection.

Higher Nitec in Visual Merchandising

Besides the JAE, ITE College Central (*Bishan Campus*) also conducts a Special Admissions Exercise (SAE) for those who possess a passion for designing window and in-store displays to apply for *Higher Nitec* in Visual Merchandising. Applicants who are interested to apply for the course may check directly with ITE College Central (*Bishan Campus*) for more information. Shortlisted candidates under SAE are required to attend an aptitude test and interview before the final selection.

Dual Certification Course for *Higher Nitec* in Paramedic & Emergency Care and *Nitec* in Nursing

Application for admission to the 3-year and 3-month dual certificate course for *Higher Nitec* in Paramedic & Emergency Care and *Nitec* in Nursing is ONLY conducted through the Special Admissions Exercise (SAE) administered by ITE College East for those who possess a passion for saving lives and have strong interpersonal, critical thinking and decision making skills. Applicants who are interested to apply for the course must ensure that they do not suffer from colour appreciation deficiency and may check directly with ITE College East for more information. Shortlisted candidates have to attend and pass an interview. Due to the special requirements of the healthcare profession and in the delivery of direct patient care, all applicants have to pass a pre-admission medical examination and be free from physical and mental handicap to ensure suitability.

LIST OF ITE COLLEGES CONDUCTING NITEC COURSES
(For course enquiry)

ITE COLLEGE CENTRAL	ITE COLLEGE WEST	ITE COLLEGE EAST
ITE College Central (Bedok Campus) 71 Chai Chee Street Singapore 468981 Tel: 6580 5040	ITE College West (Ang Mo Kio Campus) 4300 Ang Mo Kio Ave 5 Singapore 569869 Tel: 6552 9261	10 Simei Avenue Singapore 486047 Tel: 6544 9100
ITE College Central (Bishan Campus) 21 Bishan Street 14 Singapore 579781 Tel: 6580 5050	ITE College West (Balestier Campus) 114 Balestier Road Singapore 329679 Tel: 6391 8300	
ITE College Central (MacPherson Campus) 201 Circuit Road Singapore 379498 Tel: 6580 5066	ITE College West (Bukit Batok Campus) 20 Bukit Batok Street 21 Singapore 659635 Tel: 6896 3737	
ITE College Central (Yishun Campus) 20 Yishun Ave 9 Singapore 768892 Tel: 6580 5090	ITE College West (Clementi Campus) 6 Lempeng Drive Singapore 128496 Tel: 6774 9100	
ITE College Central (Tampines Campus) 2 Tampines Street 92 Singapore 528889 Tel: 6580 5080	ITE College West (Dover Campus) 20 Dover Drive Singapore 138682 Tel: 6777 0889	