

FY Institute of Technology (Singapore)



CPE Reg. No. 200407474W (23/11/2014 to 22/11/2018)



Edge Hill
University

Bachelor of Science (Hons)

Engineering Management

 (Top-Up)

Edge Hill University - Main Building and Reception



The partnership with FY Institute of Technology (Singapore) has allowed the University to build a presence in Asia which has been extremely beneficial as the name of Edge Hill University has become known in Singapore and further afield.

We look to build towards a bright future.

- Dr John Cater
Vice-Chancellor
Edge Hill University

The BSc (Hons) Engineering Management degree is a top-up programme for working adults and fresh graduates with a polytechnic diploma or equivalent in the relevant field. It takes 18 months to 24 months to complete the programme depending on each student's ability to manage work, study and personal commitments.



Our graduates who progressed to the Master's degree at Edge Hill University

Programme Objectives

This programme is tailor made for those working in engineering, construction and technology related industries to equip them with the key knowledge and skill sets required for managing engineering and related functions within a company or department. Students will learn Operations Management, Project Management, Supply Chain Management, Global Influences, Contemporary Issues in Technology together with Research Methods and Graduate Skills and then write a Dissertation (project work) on a particular aspect of engineering management.

Course Modules

- Graduate Skills
- Research Methods
- Global Influences
- Supply Chain Management
- Operations Management
- Contemporary Issues in Technology
- Project Management for Engineers
- Dissertation

Module Synopsis

1. Graduate Skills

The development of graduate skills and preparation for employment are critical aspects of the degree. This module furthers the career development learning plans for students, enabling them to have the required skills and confidence in applying and securing employment in both short-term and long-term posts, thus enhancing their overall prospects in gaining graduate level employment.

Learners will record their skills enhancement in their portfolio and reflect on their experience at the end of the module. The module will run throughout the two semesters that students study in Singapore with the focus changing from study skills to those related to the graduate labour market.

2. Research Methods

The module is an essential underpinning for the Dissertation. It introduces students to a range of research methodologies and guides them to the development of their research proposal.

3. Global Influences

The increasing trend towards globalization represents a challenge to 21st century organizations. This module provides theoretical insights into globalization and provides opportunities to use these to analyse current events.

Bachelor of Science (Hons) Engineering Management

4. Supply Chain Management

An understanding of the key areas of logistics is critical to managers. This module covers these elements and includes aspects of: purchasing, materials control, manufacturing planning, distributing and the relationships between them. By the end of the module students will also have an understanding of the ways in which a supply chain can be used to enhance customer service and satisfaction. The module will consider how e-business has altered the design of supply chains and will go on to consider some of the issues which impact on sustainability.

5. Operations Management

The overall philosophy of the module is concerned with an analysis of how things are made and delivered. It explores the roles of operations management in service and manufacturing organizations in different countries and will address issues of quality, inventory management, lean production, logistics, supply chain management and innovation. Irrespective of whether they operate in the manufacturing, service, voluntary, public or private sectors, organizations are factories for transforming raw materials into socially useful goods or services. Managing these transformation processes is at the core of organizational success in the promotion of efficient and effective practice.

6. Contemporary Issues in Technology

The world of technology is constantly changing as advances in engineering science and IT result in new systems being constantly developed and new application areas being discovered. This module will provide students, with an engineering background, the opportunity to consider the wider impacts of technological change. The module will focus on the environmental, social, economic, and political aspects of such changes rather than specific technology. It will provide students with an opportunity to locate their own engineering specialism within a wider context and to undertake a piece of independent activity.

7. Project Management for Engineers

The module builds on students' previous experience in studying engineering and related fields. It seeks to develop their ability to contribute to and subsequently lead project teams. It provides an opportunity to develop skills within an engineering context and to use commercial software to manage the activity.

8. Dissertation

The dissertation is a key piece of evidence that a student has to develop utilizing graduate level skills. It requires the design and implementation of a research project in an area of business or management and should include some element of original research, for example, interviews and surveys. The module follows on from Research Methods and ideally students should identify their project as part of that module. Support for the dissertation is given by a specified tutor although the responsibility for managing the process rests with the student.

Success Stories



"I have been accepted into the Master's programme at Nanyang Technological University. I'd like to thank the staff and lecturers of FYIT (Singapore) for all their support."

- Wang Jing, BSc (Hons) in Engineering Management graduate 2014

"I have learnt a lot from this course. By applying what I learnt to my workplace, I saved money for my company. My management was impressed with my work and promoted me to a Senior Supervisor"



-Sundarbabu (Schlumberger), BSc (Hons) in Engineering Management graduate 2013



"I really appreciate the way in which FYIT (Singapore) helped me to complete my course successfully.

Within a year I got a good offer as a Production Senior Engineer. A short time later, my company appointed me

as a Production Superintendent for an overseas project."

-Papa Rao (Dyna-Mac Engineering Services), BSc (Hons) in Engineering Management graduate 2012

"I was studying Bachelor of Science (Hons) in Engineering Management. I was promoted to supervisor and given a bonus after my boss saw the improvements I made after completing the Operations Management module."



- Lu Zhiqiang (Symrise Asia Pacific) BSc (Hons) in Engineering Management graduate 2014



Edge Hill University

Edge Hill University has a history of over 130 years. It is located between Liverpool and Manchester in the North West of England. The University's emphasis on employability skills has made it one of the top universities in England for graduate employment. It has a student population of over 16,000 in various disciplines including Business and Management, Law and Criminology, Nursing, Sports, the Performing Arts and Teacher Training.

Recognition:

- Times Higher Education UK - **University of the Year in 2014/15**
- Shortlisted for Times Higher Education UK University of the Year in 2007/08, 2010/11 and 2011/12
- Top in the North West (UK) for Teaching Excellence
- Top in the North West (UK) for Overall Student Satisfaction
- Top Two Universities in the UK for Social Mobility
- Top Eight among public universities for Graduate Employment in England
- A member of the Association of Commonwealth Universities (ACU)



FY Institute of Technology (Singapore)

FYIT (Singapore) was established in 2004 as an institution of learning dedicated to equip individuals with the knowledge and skills for personal development and career growth. Our programmes are ideal for individuals seeking to boost their career prospects and companies seeking to improve the competence of their employees. Students thanking us for the promotions and financial rewards they received is a sign of Student Satisfaction with our programmes.

The programmes we offer range from short courses to the longer certificate, higher diploma and top-up degree programmes. Our degree programme is in collaboration with a reputed UK university - Edge Hill University.

Our Location

We are located in the heart of Singapore's financial district in Shenton Way within the former Singapore Polytechnic building now called Bestway Building. We are conveniently located next to the Shenton Way Bus Terminal and 5 minutes walk from Tanjong Pagar MRT station.

Entry Requirements

- Polytechnic diploma, HND or equivalent from other countries.
- Other qualifications will be considered on a case by case basis based on Recognition for Prior Learning (RPL), Recognition for Prior Certificated Learning (RPCL) and Recognition for Prior Experiential Learning (PPEL).

Programme Structure and Duration

Duration: 18 months

Teaching Methodology: Lectures & Workshops

Course Material: will be provided

Code	Module	Weightage % Assignment
BUS 2003F	Research Methods	100%
BUS 2106F	Graduate Skills	100%
BUS 3010F	Global Influences	100%
BUS 3020F	Operations Management	100%
BUS 3121F	Contemporary Issues in Technology	100%
BUS 3122F	Project Management for Engineers	100%
BUS 2123F	Supply Chain Management	100%
BUS 3001F	Dissertation	100%



Programme Fee

Part-Time: \$14,994

Installments: \$1,666 per 2 months (Total of 9 installments)

NB: 1. 7% GST applies on all fees

2. Refer to website: www.sit.edu.sg for details

How to Apply

Applicants must complete and submit the prescribed application form together with the following documents & fees:

1. One time non-refundable application/registration fee \$160.50
2. One copy of updated resume with photo (latest)
3. One copy of all academic certificates and transcripts (NB you are to bring original for sighting and verification)
4. One copy of NRIC or Work Pass / Passport
5. Proof of English Language proficiency if studies for existing qualification not done in English; those without such proof are required to complete a short course on Academic English.

(NB in line with the Personal Data Protection Act the personal data you submit will only be used for the purposes of your application and study and will only be shared with the regulatory authorities in Singapore and the university if you are doing their programme)

FYIT (Singapore)

137 Cecil Street, Hengda Building, #07-03 (S) 069537 • Tel: (+65) 6222 5185 • Fax: (+65) 6222 1575

www.sit.edu.sg marketing@sit.edu.sg [facebook.com/fyitsingapore](https://www.facebook.com/fyitsingapore) twitter.com/fyitsingapore