



**ENGINEERING A BETTER FUTURE** 



6

campuses across Malaysia 30+

years of empowering young minds 16,500+ students currently served

1,000+
employees
nationwide

70,000+
graduates whose lives we have touched

## **ABOUT INTI**

At INTI, our mission is to bridge the needs of tomorrow through the competencies our students gain today, empowering them to become the leaders, innovators and game changers of the future. We are committed towards ensuring our students gain the competencies needed for the workplace of the future, and to work alongside the digital transformations driving today's global businesses in the Fourth Industrial Revolution.

Through our innovative teaching and learning and extensive industry partnerships, we empower our students with the ability to work with smart machines, to process and analyse data for better decision-making, to learn about technologies that impact businesses and manufacturing processes, and to develop professional skills such as adaptability, working with multidisciplinary teams, problem-solving, and a thirst for lifelong learning.

By inspiring our students to explore their passions and discover their true potential through the right skills, tools and experiences, we continue to be a force of change in revolutionising education. Our commitment is to ensure exceptional graduate outcomes, and to transform our students into the dynamic leaders of the future — ones who will lead us in the Fourth Industrial Revolution, and beyond.

Awarded **FIVE STARS** in the **QS STARS RATING**, achieving top marks in the categories of Online Learning, Employability, Facilities and Inclusiveness

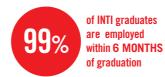


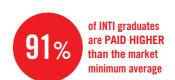


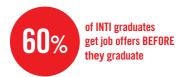












## COLLABORATION WITH INDUSTRY **PARTNERS**

Over the years, INTI has cultivated a strong engagement with multinational companies and large local organisations on diverse platforms to foster innovation curricula and develop future-ready graduates.



































































and many more





## We are INTERNATIONAL

Our internationally recognised education will enrich you with the right skills and attributes to excel at whatever you do and wherever you go.

## **World Renowned Collaborations** with Prestigious Universities

INTI offers exclusive franchise degrees and dual award degree programmes in partnership with some of the world's highest rated universities. These partnerships help to enhance your academic credentials and offer you access to some of the most prestigious institutions of higher learning globally.

## Coventry University

## RANKED NO.15 UK UNIVERSITY\*

\*Guardian University Guide 2020



## **Blue Mountains**

International Hotel Management School

RANKED NO. 1 HOTEL MANAGEMENT SCHOOL IN **AUSTRALIA AND ASIA-PACIFIC** 

\*Kantar 2020

## University of Hertfordshire

AWARDED TOP GOLD RANKING IN UK'S **TEACHING EXCELLENCE FRAMEWORK\*** 

\*Teaching Excellence Framework (TEF) 2018



NO.1 MOST INNOVATIVE **UNIVERSITY IN THE NORTH\*** \*IJS News & World Report 2018

## **Sheffield** | Sheffield Hallam Institut University of Arts

Institute

ONE OF BRITAIN'S LARGEST AND MOST PROGRESSIVE MODERN UNIVERSITIES\*

\*https://www.cumulusassociation.org/members/ SheffieldHallamUniversity/



**AACSB ACCREDITED\*** -ONLY 5% OF WORLD'S BUSINESS SCHOOLS SHARE THIS HONOUR

\*Association to Advance Collegiate Schools of Business (AACSB)

## INNOVATIVE **Teaching & Learning**

INTI integrates an array of proven approaches to teaching combined with revolutionary applications of technology in the classroom such as the innovative Blackboard Learning Management System.



## Blackboard

With Blackboard, learning does not only happen in the classroom, it happens everywhere. It's a holistic. integrated system to collaborate and interact with fellow students and lecturers. Students can offer and gain feedback from their peers on coursework and perform self-assessments while learning in a safe, nurturing and holistic environment.



## **Supplementary Learning and Assessment Tools Used:**



3D Studio Broadcasting

System Using The Most Advanced Virtual Studio

Technology

KALTURA

Video Management

RAPTĪVITY

**Interactivity Building** Software Ranging From Games, Quizzes, Simulations Presentations And More



blue

Software To Support Feedback And Lecturers' Evaluations



INTI has established a strong collaborative network with key leading companies in the industry and has been at the forefront of education innovation by offering an academic curriculum that is not only industry relevant but also immensely effective.

## INDIVIDUAL **Development**

INTI endeavours to include practical experiences in every programme it offers. From practical workshops taught by local and international guest lecturers and industry practitioners who share the ins and outs of the working world, to hands-on practical projects initiated by potential employers.



### THE MENTOR-MENTEE PROGRAMME Expand your social circles and future horizons

New students at INTI are paired up with a senior student who acts as a role model and offers assistance in easing them into academic life. The mentor-mentee programme supports new students to form social bonds and helps them become a part of the close-knit INTI community. These social bonds provide a significant part of the support a student receives during their journey at INTI.



### **PARENT / TEACHER MEETINGS** Get valuable feedback and grow

To keep abreast of a student's academic progress at INTI, both students and lecturers have access to the Blackboard Academic Learning system which helps them track the areas for improvement. Parents and caregivers are also invited to meet with the student's lecturers and academic staff to discuss their academic performance and explore ways to enhance it



mettl

**Online Assessment Platform** 

with Online Remote Proctoring

Building your personal brand and your link to a world of opportunities

INTI has established a collaboration with LinkedIn that leverages its powerful connections, and offers training for students to create their personal brand and profile that elevates their opportunities for employability. Regular workshops are conducted to teach students how to create a compelling resume that will resonate with potential employers. With a complete, job-ready LinkedIn profile even before they graduate, INTI students have the perfect platform to build and enhance their personal brand

# BUILD YOUR FUTURE

The impact of engineering on the advancement of civilisation is innumerable. From the processors that run our smartphones, to the power plants that keep our cities lit, to the skyscrapers that seem to touch the sky and planes that travel across continents daily, the mastery and application of engineering affects and improves every aspect of how we work, live, connect and travel.

As new technologies come into play so do new possibilities that arise for the next generation of engineers. By mastering the study and application of the art and science of engineering, you can improve every aspect of life itself while enjoying a successful career anywhere in the world. Secure the blueprint for your future and build your career with INTI.

### STRUCTURED INTERNSHIPS

As they will be a part of a highly practical discipline, engineers require extensive hands-on experience for their career advancement. INTI students from every engineering specialisation are given the opportunity to participate in highly structured internships and gain actual insights into the intensive work environment of engineers. INTI's industry partners like Motorola, Intel, Keysight, Flex, Bosch, Inari, Knowles, Aemulus, Osram, Plexus, Lumileds and Vitrox have provided internship for our Engineering students. Through these close collaborations with established employers, students gain invaluable work experiences even before they graduate and acquire the confidence and exposure they need to prepare them for working life.

## **EMPLOYER PROJECTS**

Throughout the course of their work, engineers often interact with professionals from other fields and across various disciplines, while working under challenging conditions. To prepare them for the working world, students from INTI are assigned employer projects that span a 3-month period and reflect actual engineering challenges encountered by today's global companies.

During this time, students will work with a multi-disciplinary team of fellow engineers and other professionals to fulfil their assigned employer project. To date, INTI graduates have completed major projects with companies such as Motorola Solutions, Intel, Keysight, Robert Bosch, QAV, Knowles Electronics, Flex and many more. Upon completion of these projects, students are given the opportunity to present their findings to their employers, including senior management teams from the organisation. Many of these employers have also gone on to implement the solutions presented, testifying to the quality and capabilities of INTI students. Exceptional students who excel during their employer projects are often offered positions even before they graduate.

## HIGHLY QUALIFIED ACADEMIC STAFF

INTI's faculty members, are all professionally qualified engineers in various engineering disciplines. Collectively the faculty has published multiple academic papers, with numerous invited as key note speakers for industry and academic talks. These achievements are also instrumental in their efforts to ensure the high standards of excellence that the programme is known for.

## **ENHANCEMENT PROGRAMMES**

Employability in today's challenging workplace not only requires academic excellence but also a strong acumen in soft skills. INTI provides enhancement programmes that include training in Microsoft Office tools and effective communication skills. These add to the skills and capabilities graduates take with them when they enter the workplace.



## INDUSTRY CURRICULUM INTEGRATION AND INTERNATIONAL RECOGNITION

## **ENGINEERING ACCREDITATION COUNCIL (EAC)**

INTI International University Engineering Degrees are accredited by the Engineering Accreditation Council and recognised by the Board of Engineers Malaysia (BEM) which is a signatory to the Washington Accord. Recognition under the Washington Accord allows for INTI engineering programmes to be recognised by countries such as Australia, Canada, Taiwan, Hong Kong, Ireland, Japan, South Korea, Malaysia, New Zealand, Singapore, South Africa, Turkey, Russia, the United Kingdom and the United States who are all signatories of the accord. This recognition is of paramount reputation to the engineering education in Malaysia as graduates from INTI International University under the Washington Accord signatory countries are considered as meeting the academic standard for practices in engineering at the international level. Please refer to www.eac.org.my



## SINGAPORE INSTITUTE OF ENGINEERING TECHNOLOGISTS (SIET, SINGAPORE)

INTI International University Engineering Degrees are recognized by the Singapore Institute of Engineering Technologists. A SIET certification will let employers know that the certification earner has mastered a significant body of knowledge in a specific field he / she is engaged in the industry and has met specified eligibility requirements. This knowledge will serve as the springboard for a certification earner's continued professional development in his field in industry. As SIET certified professional you will broaden your knowledge base. You be able to stand out from the crowd and may improve your options for being hired, promoted, and/or tapped for working on certain types of projects.



## GLODON

INTI is one of the first institutions of private learning to collaborate with Glodon, an internationally recognised industrial software system, to integrate its software into its curriculum. Glodon Building Information Modelling (BIM) software, Cubicost is a widely used BIM integrated solution for the construction industry players. Student will be exposed to the latest taking off method to meet market demands.



## CIVIL ENGINEERING

INTI's undergraduate programmes for Civil Engineering empower you with the skills to design, develop, manufacture, construct and maintain civil engineering products, systems and services.

## **Professional Accreditation**

INTI's programmes are fully accredited by the Engineering Accreditation Council Malaysian (EAC), following the terms of the Washington Accord. They are also certified by the Chartered Association of Building Engineers UK (CABE) and by the Singapore Institute of Engineering Technologists (SIET). The Washington Accord entitles graduates to gain membership into the International Register of Engineers, while the CABE accreditation verifies that the programmes meet the regulated standards of Building Engineers. Recognition by SIET also means that the programme is of a high standard and quality which enables INTI graduates to seek employment anywhere in the world.

### **International Articulation**

INTI maintains articulation agreements with the prestigious Queensland University of Technology (QUT) and the Swinburne University of Technology (SUT) in Australia providing diploma students with the opportunity to join either university with a 1-year equivalent of credit exemptions when progressing to a degree.

## **MECHANICAL ENGINEERING**

Almost every aspect of modern industry relies on mechanical engineering. Students pursuing this programme will master the skills needed to conceive and produce the moving parts, components and machinery required in every aspect of manufacturing, and will be exposed to the theoretical and practical aspects of this field.

### **Professional Accreditation**

INTI's Mechanical Engineering programmes have received full accreditation by the Engineering Accreditation Council (EAC) Malaysia under the Washington Accord. This attests to the reputability of the course contents and also confers membership to qualifying members to join the International Register of Engineers. Membership to the Register allows members to gain global access and the ability to work anywhere in the world.

### International Articulation

The Australian Group of Eight, which consists of Australia's eight leading research universities and several notable UK universities, has formally recognised the course contents of INTI's Mechanical Engineering programmes, providing students a beneficial articulation pathway to several of these leading universities. Qualified students from INTI's Diploma in Mechanical Engineering programme can continue their degrees locally or abroad with a maximum exemption of two years' credit transfers.

## **QUANTITY SURVEYING**

The programme exposes students to cost planning, cost control, build development techniques, building research, measurement software application and more, which enable them to manage the financial and procurement processes of construction projects. INTI is one of the first institutions of private learning to collaborate with Glodon, an internationally recognised industrial software system, to integrate its software into its curriculum.

## **Professional Accreditation**

INTI's Quantity Surveying programmes have been recognised and fully accredited by the Royal Institution of Chartered Surveyors (RICS), UK and the Board of Quantity Surveyors, Malaysia (BQSM). This attests to the international standards upheld by the programmes and enables graduates to work anywhere in the world with their degree.

### **International Articulation**

Articulation agreements allow INTI students to continue their studies abroad at Queensland University of Technology (QUT), Swinburne University of Technology (SUT) in Australia and the University of the West of England (UWE) in the UK. This enables students to enjoy a fresh perspective in the field of quantity surveying, and gain the opportunity to interact with fellow students in an exciting new environment.

## ELECTRICAL & ELECTRONIC ENGINEERING

The programme enables students to master a number of key competencies, including Electronic Circuit Analysis, Control Systems, Electric Machines & Electric Power Systems, Telecommunications as well as the application of ICT knowledge for engineering analysis, simulation and control in both public or private enterprise.

## Strategic Partnership with Industry Partners

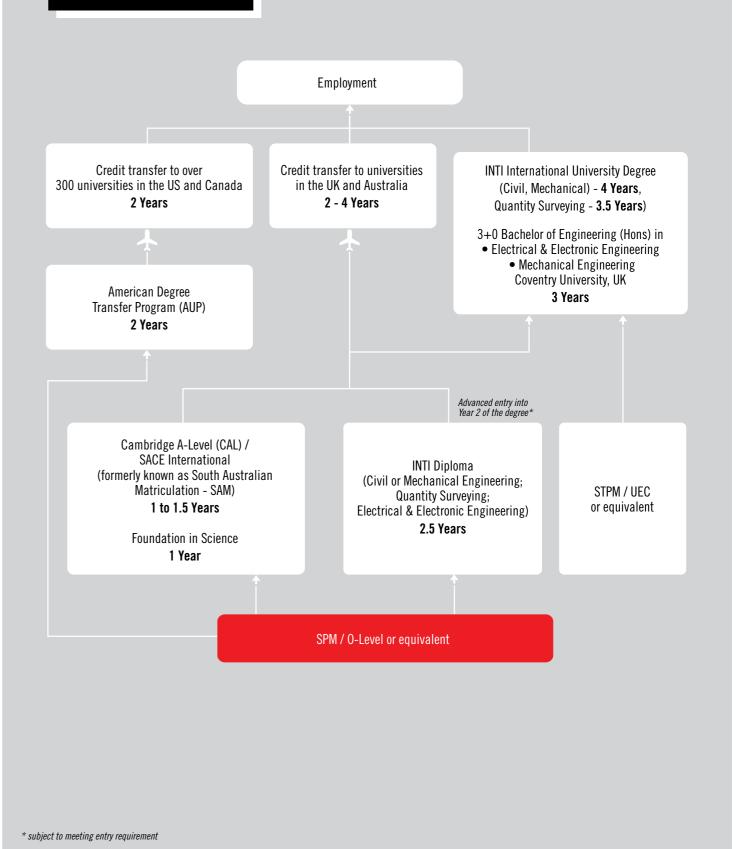
All engineering students at INTI are given the opportunity to enrol into the structured internship programme with the industry. Students will gain more than a year industrial experience through this programme, whilst pursuing their studies.

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## INTI ENGINEERING PATHWAY



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## **ENTRY** REQUIREMENTS

Diploma in Civil Engineering **Diploma in Mechanical Engineering** Diploma in Electrical & Electronic Engineering

SPM / O-Level:

3Cs including Mathematics and 1 Science or 1 Natural Science\*/ Technical / Vocational subject and a pass in English

IGCSE 0-Level:

3Cs (including Mathematics and 1 Science or 1 Natural Science\* subject and pass in English)

5.0 or equivalent for International Students

3Bs (including Mathematics & 1 Science or 1 Natural Science\*, pass in English)

STPM / equivalent:

Pass in STPM or equivalent with a pass in SPM Mathematics, English and 1 Science or 1 Natural Science\* / Technical / Vocational subject

Passed International Baccalaureate (IB) Middle Years Programme (MYP) Certificate including English with credit in Mathematics and 1 Science or 1 Natural Science subject

Engineering / Technology Engineering Certificate: Recognised certificate

Vocational / Technical / Skills Certificate: Recognised certificate with 1 year of related working experience or 1 semester of bridging programme

Foundation / Pre-U / Matriculation: Related foundation / Pre-U / Matriculation programme approved by Ministry of Higher Education with credit in SPM Mathematics and 1 Science or 1 Natural Science\* / Technical / Vocational subject

## **Diploma in Quantity Surveying**

SPM / O-I evel:

3Cs (including Mathematics, Bahasa Malaysia and English)

3Bs (including Mathematics, Bahasa Malaysia and English)

## **Engineering Degree**

STPM:

Minimum 2Cs including Mathematics and Physics

A-Level:

Minimum "Good Principal Passes" C and above for Mathematics and Physics

Note: "Pass grade D — Subject to approval

Minimum 5 credits, including Mathematics and Physics

**Local Matriculation:** Minimum CGPA 2 0

Foundation from other University / College: Minimum CGPA 2.0

WAEC/NECO:

Maximum aggregate of 15 points out of best 5 subjects, inclusive of minimum B in Mathematics and Physics

Diploma / Advance Diploma / Degree / equivalent:

Pass

· Subject to school's discretion after reviewing transcript and syllabus. Maximum credit transfer of 30% of the programme total credits

Other qualifications deemed equivalent to STPM / A-Level by the Malaysian Qualifications Agency: Minimum overall average of 65%, inclusive of minimum 65% in Mathematics and Physics

International Baccalaureate: Minimum 26 / 42 points from 6 subjects (inclusive of Mathematics and Physics / Chemistry)

SACE International:

(formerly known as South Australian Matriculation - SAM) Minimum average of 65% in 5 subjects. inclusive of minimum scores of 65% in Mathematics and Physics

## 3+0 B.Eng. (Hons) in Mechanical Engineering, Coventry University, UK

CGPA 2.0 (with full pass in 2 subjects including Mathematics and Physics)

A-Level:

3 principal passes with at least 3Cs including Mathematics (equivalent to 240 UCAS tariff points)

Australian Matriculation (AUSMAT): Pass with an average of 78 including Mathematics and Physics

SAM/NSW (HSC Year 12): Pass with an average of 78 including Mathematics and Physics

5Bs (including Advanced Mathematics 1 and Physics or equivalent); and pass in English

6 passes with an average of 72 including Mathematics and Physics

INTI Foundation:

Completion of Foundation in Science with CAVG of 50% or CGPA 2.0 and above

INTI Diploma:

Completion of Diploma in Engineering with 50% CAVG or CGPA 2.0 and above.

Diploma:

Other equivalent diplomas will be considered on merit

International Baccalaureate: 6 passes with minimum score of 26 / 42 including Mathematics and Physics

AUP (American Degree Transfer Programme): Completion of AUP with CGPA 2.3 and above

## **Bachelor of Science (Hons) Quantity** Surveying

Foundation:

CGPA 2.50 and above

Diploma: CGPA 2.67 and above

3 grade C (NGMP 2.0) and above

5 subjects with ATAR 70

NSW-HSC:

10 subjects with ATAR 70 and above

4 or 5 subjects with ATAR 70 and above

Year 12 with 70 and above

6 subjects with average score of 65 and above

A-I evel:

3 subjects with minimum grade D

Canadian Ontario Pre-U (Ontario Senior Secondary Diploma): Minimum 65%

Monash University Foundation Year (MUFY): Minimum 55%

International Baccalaureate Diploma (IBD): Minimum 24 points

Plus:

SPM / O-Level / UEC or other equivalent with 3 credits including Mathematics / Applied Mathematics, Bahasa Malaysia and English

5 subjects with grade B and above including Mathematics, Bahasa Malaysia and English. (SPM is not required)

**English Language Requirements\*** 

- Credit in the English language subject at SPM / UEC level: or MUET Band 5: or a score of 196 (computer-based) / 525 (writing-based) / 69-70 (internet-based) in TOEFL; or Band 5.5 in IELTS.
- In the event that the English language requirements are not met, student may be required to undertake additional English module(s) prior to or concurrently with the undergraduate programme, based on the University's decision.

<sup>\*</sup> Not applicable for Diploma in Electrical and Electronic

<sup>\*</sup> International students holding equivalent academic qualifications but which are not conducted in English, are required to sit for the English Placement Test (EPT)

## FOUNDATION IN SCIENCE

Students are prepared for admission into engineeringrelated degrees at INTI. They will be equipped with a solid fundamental knowledge of their fields of studies, which include Physics, Chemistry, Mathematics, English and Basic Computing.

## Learning approach

Students will be introduced to Problem-based Learning, group discussions and projects to help them develop study skills, presentation skills, research skills and time management. This will further enhance their critical and analytical skills and prepare them for the demands of tertiary studies and the working world.

## **Assessment**

Assessment of individual courses in the Foundation Programme consists of two components:

- Continuous coursework (50%)
- Final examination (50%)

The continuous coursework component comprises different tasks such as projects, assignments, laboratory work, presentations and tests, and others assigned throughout each semester. The final examination is conducted at the end of each semester. The assessments are subject to quality assurance procedures to maintain high standards and ensure fair assessment.

## Offered at

INTI International University (R2/010/3/0198)(03/24)(MQA/A10019)

## INTAKES: JAN, MAY & AUG

INTI International College Subang

INTI International College Penang (N/010/3/0422)(09/21)(MQA/FA8334)

## INTAKES: JAN, APR & AUG

## **Duration**

1 Year

## Programme structure

- Chemistry 1
- Chemistry 2
- English Language Skills 1
- English Language Skills 2
- General Studies
- Mathematics 1
- Mathematics 2
- Self-Development Skills
- Skills for Creative Thinking

## Elective papers for Biological Science/ Bioscience\* Pathway

- Basic Computing
- Biology 1Biology 2
- Statistics

## Elective papers for Pure Science/ Other Science Area\* Pathway

- Biology 1
- Biology 2
- Physics 1
- Physics 2

## **Elective papers for Engineering Pathway**

- Physics 1
- Physics 2
- Engineering Mechanics
- Basic Computing

## DIPLOMA IN CIVIL ENGINEERING

Students are provided with a solid foundation in computing, mathematical, drawing and communication skills and the basics of civil engineering disciplines. They will be equipped with skills to design, develop, manufacture, construct and maintain civil engineering products, systems and services.

We also help students develop multi-disciplinary teamwork and leadership skills, as well as proficiency in written and oral communication.

This programme covers a comprehensive range of courses, including soft skills training and internships with reputable civil engineering-based companies, and classroom learning with reference to industrial-related projects.

The programme meets the guidelines set by the Malaysian Qualifications Agency (MQA), and has been granted full accreditation by MQA since 2001.

## Accredited by:



## Highlights

# Accredited by the Engineering Technology Accreditation Council (ETAC), a delegated body by the Board of Engineers Malaysia established in ensuring Malaysia's ETAC accredited engineering diploma programmes are substantially equivalent to the engineering degrees of the signatories of the Sydney Accord and Dublin Accord

- Recognised by Singapore Institute of Engineering Technologists, Singapore
- Well recognised by the UK and Australian universities
- Credits can be transferred to the B.Eng (Hons) in Civil Engineering programme
- Soft skills and internships provide students with transferable skills and working experience

## **Career opportunities**

Clerk-of-Work, Construction Project Coordinator, Engineering Design Assistant, Product Engineer, Site Engineer Assistant, Site Safety Officer, Technical Site Supervisor

### Offered at

INTI International University (R2/526/4/0053)(04/24)(MQA/FA11910)

## INTAKES: JAN, MAY & AUG

## **Duration**

2.5 Years

## ${\bf Programme\ structure}$

## Level 1

- Physics
- Programming and Robots
- English Communication Skills
- Surveying 1 (Theory & Practice)
- Highway Engineering and Traffic
- Material for Civil Engineering
- Engineering Static
- Engineering Drawing
- Mathematics 1
- Mathematics 2

### Level 2

- Civil Engineering Drawing
- Strength of Material
- Soil Mechanics
- Civil Engineering Fundamental
- Structural Analysis
- Construction Technology and Management
- Project-Civil Engineering
- Steel and Reinforced Concrete Design
- Fluid Mechanics

## Internship

## **MPU** subjects

- Bahasa Kebangsaan A\* / Media Literacy for Personal Branding
- Co-curriculum
- Malaysia's Green Future
- Malaysian Studies 2 (Local students) / Communication in Malay 1B (International Students)

<sup>\*</sup> For Malaysian students who do not have a credit in SPM BM.