



 **INTI** International
University & Colleges™



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

CRICOS Provider Code 00102E



Undergraduate
Course Guide
2019



WELCOME

OUR MISSION

The University of Wollongong is a global leader in discovery and learning – working to transform people and the world we live in.

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Where doors open

We're here to open doors and support your choices while giving you the freedom and resources to chase your dream career.

5 stars

Employability, Teaching, Internationalisation, Research, Facilities, Innovation and Inclusiveness.

QS World University Rankings 2018

75.1%

of UOW graduates secure full-time employment within four months.

"Quality Indicators for Learning and Teaching (QILT) 2018"

Top rated

Best university in NSW/ACT in 8 study areas

Quality Indicators for Learning and Teaching (QILT) 2018

QILT Employer Satisfaction Survey 2017



From here to every corner

A globally recognised and respected degree from UOW is your passport to a world of opportunity.

Top 20

16th best modern university in the world.

QS Top 50 Under 50 Rankings 2018

Top 1%

Rating for UOW graduates by global employers.

QS Graduate Employability Rankings 2019

Top 2%

Overall rating among the world's universities.

"218th - QS World University Rankings 2019"

A MESSAGE FROM PROFESSOR ALEX FRINO

Deputy Vice-Chancellor (Global Strategy)

Welcome to the University of Wollongong

At UOW, we are proud to have created an environment where you can be challenged to achieve your best, to master a field and take that knowledge to the world. Our international programs are a long-term investment that you will benefit from for the duration of your career.

UOW ranks among the top two per cent of universities worldwide,¹ and in the top 20 universities aged under 50 years.² In the 2018 QS World University Rankings, UOW received five stars across student experience measures including: Employability, Teaching, Internationalisation, Research, Facilities, Innovation and Inclusiveness.

The University of Wollongong and INTI International University and Colleges have combined in Malaysia to deliver a number of degrees that offer a high-quality education and a great learning experience. Our degrees will prepare you for the contemporary work place by providing you with the necessary knowledge and skills for fast-evolving global societies and economies. They offer a stimulating and life-transforming learning experience, taught by professional and passionate teachers who are committed to ensuring you reach your potential.

You will work in an intellectually challenging, innovative and well-resourced academic environment and be among like-minded peers who share your drive and passion for success.

We offer degrees at undergraduate level at our campuses in Subang and Penang and at postgraduate level in the heart of Kuala Lumpur.

UOW, working closely with INTI, is committed to developing a student experience that leverages both institutions' connections for greater educational opportunities for students via student mobility and global experiences. A UOW education is your opportunity to turn effort into results and to connect with great minds. With the support of some of the world's best academics, our students graduate and go on to successful careers in over 149 nations around the globe.

On completion of your studies you will receive a UOW degree: an internationally recognised and respected symbol of a world-class graduate. In fact, UOW consistently ranks in the top one per cent of universities in the world for the quality of its graduates.³

I wish you every success throughout the course of your studies and beyond.



Professor Alex Frino

Deputy Vice-Chancellor (Global Strategy),
University of Wollongong

1. 218th - QS World University Rankings 2019
2. 16th in the world - QS Top 50 Under 50 Rankings 2019
3. QS Graduate Employability Rankings 2019

Top reasons to study a UOW degree at INTI

DELIVERY & ASSESSMENT

We have a dedicated office to provide students with personal assistance in regards to all UOW academic and administrative matters. Experienced staff working in close collaboration with their Australian colleagues will be able to provide the necessary counselling to help students select the right academic and career pathway.

Students will have the opportunity to meet and discuss academic matters with visiting professors from UOW.

UOW Australia will be directly involved in the learning process, by assuring the quality of all subjects in the degree.

UOW ONLINE RESOURCE LIBRARY

Students studying a UOW course at INTI will be enrolled as UOW students, which will grant them access to online resources that are available at UOW (e.g. e-books, e-journals, e-teaching and learning materials)

TRANSFER OPTIONS

Anytime after the first semester at INTI, students have the option to transfer to UOW Australia to complete one or more semesters. For more information, please visit: uow.edu.au/student/offshore

GRADUATION

Students who complete a UOW degree at INTI can choose to participate in the graduation ceremony in Malaysia, or in a graduation ceremony held in Wollongong, Australia.

SCHOLARSHIPS

UOW Undergraduate Excellence Scholarships are available for Malaysian students applying for entry into a Bachelor degree at UOW Australia, in two categories:

- A fee reduction for tuition applied for the duration of the course
- An Honours year – academically sound students from INTI can pursue a honours degree in UOW Australia by spending the fourth year of study at UOW.

For more information, please visit: uow.edu.au/future/international/apply/scholarships/

STUDY ABROAD

Attractive study abroad options are available to INTI students who wish to spend a semester at UOW, Australia. For more information, please visit: uow.edu.au/future/studyabroad

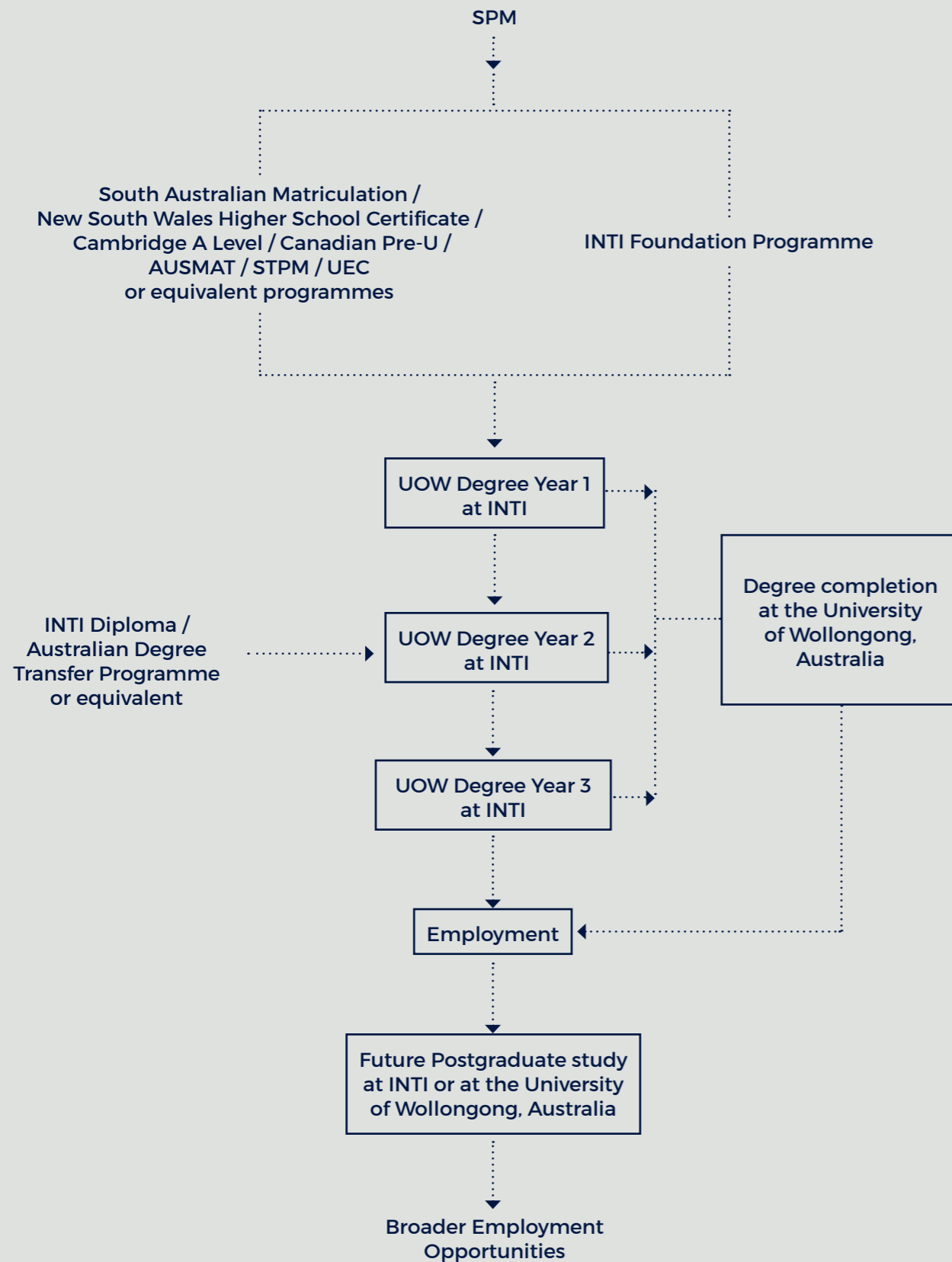
- A high achieving student may be selected to pay the local tuition fee and experience a semester at UOW Australia as an exchange student (places are strictly limited).
- Eligible students may apply for the study abroad program to spend a semester at UOW Australia and pay a discounted tuition fee.

INTERNSHIPS

An internship provides an opportunity for students to integrate and apply their university knowledge in an industry context. It focuses on workplace learning as it requires students to work for a minimum duration of two months in a pre-selected organisation. INTI has a list of partners who are willing to take on students as interns. An internship is compulsory for the Bachelor of Information Technology and optional for other degrees.



Study options and academic pathways



The academic year

DEGREE STRUCTURE

The Bachelor degrees at UOW are based on a credit point structure. One year of full-time study for most degrees requires the completion of 48 credit points; 24 credit points in each of the two semesters (equivalent to eight subjects).

Individual subjects are allocated a credit point value. Most subjects have a value of six or eight credit points each.

A common full-time course structure is the completion of eight subjects per year worth six credit points each.

In this course guide, we have listed the core subjects for the degree and, where available, major and elective subjects.

You should note that not all elective subjects are necessarily offered every semester at INTI.

Students are able to graduate with a single major or, in some instances, with a double major in their areas of interest. Students also have the option of selecting a major and minor combination in some degrees.

Individual subjects shown in the course structure may have their own prerequisites that must be satisfied before you can enrol for that subject. The actual prerequisite may be another subject in the course, which means that you have to take subjects in a particular sequence. Failure to meet a prerequisite or obtain a pass grade in a particular subject, may prevent a student from completing the course within the minimum duration stated in this brochure. Subject descriptions, including prerequisite information, can be obtained from the advisers, respective Deans, or by viewing your course of interest at coursefinder.uow.edu.au

All students intending to complete a double major or major-minor combination must consult with the relevant Dean prior to enrolment to confirm availability of subjects.

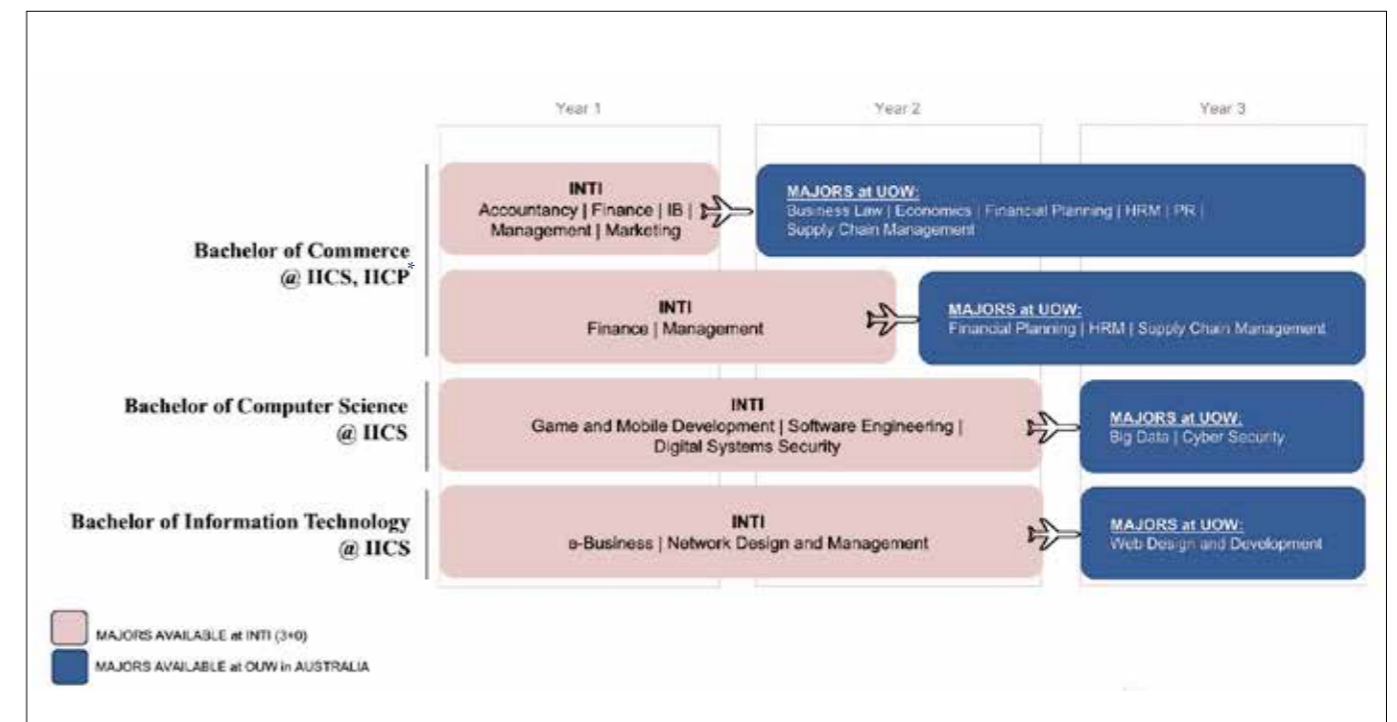
ASSESSMENT

Assessment is based on a combination of participation in class work, practical exercises, presentations, written assignments and examinations. The weighting given to each assessment method varies between subjects. This information is shown in the online subject descriptions and will be provided to you at the beginning of each subject you take.

The academic year is divided into two intakes:

- February (February–June)
- July (July– December)

INTERNATIONAL STUDY OPTIONS WITH UOW AT INTI



*IICS (INTI International College, Subang)
 IICP (INTI International College, Penang)

English language requirements

All students enrolling in UOW degrees are required to demonstrate a high level of proficiency in the English language. The Students must obtain one of the following qualifications or its equivalent.

The English requirements for each degree are shown below. The requirements are shown for IELTS, TOEFL, SPM English and STPM English.

For full details go to: uow.edu.au/future/international/apply/english

PREVIOUS STUDY IN ENGLISH

Applicants may meet the English language requirements based on successful study in Australia or offshore where English was the language used.

STUDY IN AUSTRALIA OR AUSTRALIAN QUALIFICATIONS OFFSHORE

Successful completion of the following qualifications may satisfy the University's English language requirement:

- Year 12 in Australia, or any Australian Year 12 qualification completed offshore;
- Foundation Studies, Certificate IV or Diploma with a minimum duration of one year (full-time) completed in Australia; or any of these qualifications completed at an Australian institution offshore;
- At least one year (full-time) of study toward a Bachelor or Masters degree in Australia, or at an Australian institution offshore.

	OVERALL	READING	WRITING	LISTENING	SPEAKING
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IELTS

BACHELOR OF COMMERCE	6.0	6.0	6.0	5.0	5.0
BACHELOR OF COMPUTER SCIENCE	6.0	6.0	6.0	6.0	6.0
BACHELOR OF INFORMATION TECHNOLOGY	6.0	6.0	6.0	6.0	6.0

TOEFL

BACHELOR OF COMMERCE	79	18	18	16	16
BACHELOR OF COMPUTER SCIENCE	79	18	18	18	18
BACHELOR OF INFORMATION TECHNOLOGY	79	18	18	18	18

SPM ENGLISH Minimum C grade

STPM ENGLISH Minimum D grade in English 920

Entry requirements

QUALIFICATION	BACHELOR OF COMMERCE	BACHELOR OF COMPUTER SCIENCE/ BACHELOR OF INFORMATION TECHNOLOGY
INTI FOUNDATION	Having completed an INTI Foundation Program with an average of 60%	Having completed an INTI Foundation Programme with an average of 60%
INTI DIPLOMA	Having completed INTI Diplomas (Diploma in Business Administration, Diploma in Business, Diploma in Accounting) with an average of 60%. Direct entry into Year 2	Having completed INTI Diplomas (Diploma in Information & Communication Technology, Diploma in Network Security) with an average of 60%. Direct entry into Year 2
SIJIL TINGGI PERSEKOLAHAN MALAYISA (STPM)	Aggregate of 6 in the best 3 subjects (A=7, A-=6, B+=5, B=4, B-=3, C+=2, C=1.) Pass in Mathematics at SPM Level	Aggregate of 6 in the best 3 subjects (A=7, A-=6, B+=5, B=4, B-=3, C+=2, C=1.)
SENIOR UNIFIED EXAMINATION CERTIFICATE (UEC)	At least 5Bs and aggregate of 18 in best 5 subjects (A1=8, A2=7, B3=6, B4=5, B5=4, B6=3, C7=2, C8=1)	5Bs including credits in maths, aggregate of 18 in best 5 subjects (A1=8, A2=7, B3=6, B4=5, B5=4, B6=3, C7=2, C8=1)
A LEVEL (CAMBRIDGE INTERNATIONAL A LEVEL AND GCE A LEVEL)	Minimum value of 8 must be achieved in an aggregate of the best 3 Advanced (A2) subjects. Grades for A Levels are : A*=6, A=5, B=4, C=3, D=2, E=1. Advanced subsidiary (AS) subjects are not used in calculating the aggregate.	Minimum value of 8 must be achieved in an aggregate of the best 3 Advanced (A2) subjects. Grades for A Levels are : A*=6, A=5, B=4, C=3, D=2, E=1. Advanced subsidiary (AS) subjects are not used in calculating the aggregate.
AUSTRALIAN DEGREE TRANSFER PROGRAM (ADTP) AT INTI	Having completed the relevant subjects in Year 1 with an average mark of 60%. Direct entry into Year 2	For BIT, having completed the relevant subjects in Year 1 with an average mark of 60%. Check with Faculty of EIS for BCompSci. Direct entry into Year 2
CANADIAN PRE-U OR ONTARIO SECONDARY SCHOOL DIPLOMA	Minimum average score of 65% across 6 grade 12 University (U) or College Preparation (M) courses including 12U English.	Minimum average score of 65% across 6 grade 12 University (U) or College Preparation (M) courses including 12U English.
AUSTRALIAN YEAR 12 (E.G NSW HSC, SACE, AUSMAT) SOUTH AUSTRALIAN MATRICULATION	Minimum Australian Tertiary Entrance Rank (ATAR) of 75	Minimum Australian Tertiary Entrance Rank (ATAR) of 75
UNIVERSITY OF NEW SOUTH WALES (UNSW) FOUNDATION		Minimum GPA of 6.8
MONASH UNIVERSITY FOUNDATION YEAR (MUFY)	Percentage average of best four subjects (may include English) must be at least 60	Percentage average of best four subjects (may include English) must be at least 60

Note: For Bachelor of Information Technology, students need to obtain credit in Mathematics at SPM level or equivalent.
For Bachelor of Computer Science, students need to obtain credit in Additional Mathematics at SPM level or equivalent.
Please refer to uow.edu.au/future/international/apply/credit/malaysia

Bachelor of Computer Science

Information and Communication Technology (ICT) underpins everything we do in today's digital world. Every industry, from creative to finance, to healthcare, agriculture and transport is transforming and creating demand for ICT talent.

Computer scientists focus on computation and its applications, designing methods, tools and writing programs for computer applications. These applications can be in areas such as computer systems to control machinery, information management and big data, applications for mobile devices, stock market trend analysis, game design, visualisation of chemical reactions, neural network design, computational geometry for robot navigation, patient monitoring in hospitals, and much more.

The Bachelor of Computer Science is recognised for professional accreditation with the Australian Computer Society.

DURATION

3 years

SEMESTERS

Two 18-week semesters of study in a year (February & July intakes)

MAJORS AND MINORS AVAILABLE AT INTI:

SUBANG:

DIGITAL SYSTEMS SECURITY

KPT/JPT(R/481/6/0634)01/2021-MQA/FA0175

SOFTWARE ENGINEERING

KPT/JPT(R/523/6/0248)01/2021-MQA/FA0174

GAME AND MOBILE DEVELOPMENT

KPT/JPT(R/481/6/0721)07/2021-MQA/FA0501

CORE SUBJECTS

YEAR 1

- Programming Fundamentals
- Problem Solving
- System Analysis
- Data Management & Security
- Object Oriented Design & Programming
- Networks and Communications
- Introduction to Web Technology

YEAR 2

- IT Project Management
- Human Computer Interaction
- Advanced Programming
- Mathematics for Computer Science
- Database Systems
- Algorithms & Data Structures

YEAR 3

- Software Development Methodologies
- Project

Computer Science majors available at INTI

GAME AND MOBILE DEVELOPMENT

The Game and Mobile Development major has been designed to meet the current global demand for skilled graduates in the areas of game and multimedia system development. This major will equip you with skills to apply techniques to the development of video games and related systems on computer and mobile platforms, including devices such as mobile phones, tablets and wearable devices. You will be able to identify approaches to solving real-world problems in video games and multimedia systems. In addition, you will develop both traditional computer science skills as well as creative skills, including visualisation, interaction and communication skills.

MAJOR SUBJECTS:

3D Modelling & Animation

CHOOSE ANY 3 OF:

- 3D Modelling and Animation
- Interactive Computer Graphics
- Mobile Multimedia
- Game Engine Essentials
- Multicore and GPU Programming

COMPUTER SCIENCE MAJORS AVAILABLE AT UOW

These additional majors include:

- Big Data
- Cyber Security

Students can pursue this major under a 1 + 2, 1.5 + 1.5 or 2 + 1 arrangement, whereby students complete up to two years of studies in INTI and transfer to UOW to complete the remaining years of studies.

Students seeking to transfer to UOW should be aware that Wollongong campus international student tuition fees are available at uow.edu.au/future/international/apply/fees



“During my time in INTI, I got the chance to take part in an employer project with IBM Malaysia, which required us to find a way to improve the productivity of their customer support. My team and I, along with our lecturers, brainstormed for a few days, listing down all the different possibilities and their respective benefits and drawbacks. Eventually, my team and I made a decision that stepping into the mobile world will allow our client to segregate themselves from the traditional help desk services used by other industries.”

HOW WEE SHENG
Bachelor of Computer Science (Software Engineering)



“I chose to join INTI because their IT programmes were developed in partnership with the University of Wollongong. Both INTI and UOW are top universities with a global reputation academically and offer quality education. Being able to study close to home and still graduate with an Australian degree sealed my confidence in INTI's dedication to set students up for a world-class education.”

NG CHUN HOW
Bachelor of Computer Science (Software Engineering)

We're looking forward to meeting you

Your international education begins the moment you step into INTI, where innovative learning, academic excellence and personal development are all part of your UOW degree. With the world as your classroom, you will quickly gain a head start in achieving your aspirations.

The future is filled with opportunities. And we will make sure you'll be world-ready for them.

Our students are the driving force here at INTI. It is their vibrant energy, idealism and hungry minds that constantly refresh our spirits and inspire us to go the extra mile for them. We take pride in their progress and achievements, and we believe that they deserve no less than the highest-quality education available today.

INTI is purpose-built to match your expectations and aspirations. Beyond the welcoming gates, a visionary, state-of-the-art 10-storey campus reaches to the skies, equipped with cutting-edge facilities and clever conveniences that take education to a higher plane.

Wi-fi is available throughout the entire campus, enabling students to make themselves at home anywhere on the premises, whether that's under a tree or in our comprehensive and well-stocked library. The super-fast optic fibre connection ensures information flows smoothly, and our laptop-equipped lecturers are able to communicate easily with their students, creating an atmosphere of constant interaction and learning.



Education that Empowers

INTERNATIONAL EXPOSURE

The world is your classroom. Widen your views to widen your prospects.



UOW Exchange scholars to Wollongong campus
– 1 semester in Wollongong campus at local fees.



Students from UOW Wollongong
campus on Study Tour to IICS



Study Tour to UOW, Wollongong Campus

INNOVATIVE LEARNING

Experience is a great teacher. Gain from industry exposure and learning innovations.



Hacks2Hire - Hackathon



Practical class for Services Marketing

INDIVIDUAL DEVELOPMENT

Personal growth ensures employability. Enjoy a head start in the job market.



Students in Unicode competition



Employer project with IBM



UOW Students attending
CPA Congress 2017 at One World Hotel.

**EMPOWERED TO
TAKE ON THE WORLD!**

LEARN MORE

www.newinti.edu.my

SUBANG

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11900 Penang



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