Since its inception, Taylor's has continuously provided excellent services for its students in terms of diverse study options, relevant curriculum and teaching methods, ongoing partnerships with leading universities worldwide, strong industry linkages, up-to-date facilities and well-equipped campuses. Taylor's University offers a myriad of courses in tertiary education, from diploma, to degree, post-graduate and professional programmes. Students can choose to enroll in courses encompassing fields such as Medicine, Pharmacy, Biosciences, Architecture, Computer Science, Engineering, Quantity Surveying, Law, Business, Communications, Design, Psychology, Hospitality, Tourism and Culinary Arts.

The quality of the undergraduate teaching and learning at Taylor's was acknowledged when it garnered a 'Tier 5: Excellent' rating in the Rating System for Malaysian Higher Education (SETARA) by the Ministry of Higher Education Malaysia in all four audit exercises. Taylor’s University is ranked at no. 4 in the World in the graduate employment rate indicator under the QS Graduate Employability Rankings 2019; ranked at no. 135 in Asia in the QS Asia University Rankings 2019, and listed in the top 1 percent of universities in Asia. Taylor’s University was also awarded 5-Star rating in five (5) categories of the QS Stars Rating. Taylor’s University was also recognised as the number 21 university in the world for Hospitality & Leisure Management by QS World University Rankings by Subject 2018. Taylor’s was listed in the top 2% universities in the world by QS World University Rankings. These achievements are important milestones for Taylor’s, in line with its aim of becoming one of Asia’s leading universities.

Taylor’s has received numerous recognitions locally and internationally from professional bodies such as the CDIO Initiative (Conceiving, Designing, Implementing, Operating), National Academy of Engineering in the USA and the Royal Institution of Chartered Surveyors (RICS) to name a few.

Taylor’s continues to play a strong role in developing Malaysia’s human resource capital, and boasts a 100,000-strong alumnus, many of whom have become leaders in their respective fields.
Awards

2018

• 135th university in Asia in the 2019 QS Asia University ranking
• 4th best university and Asia’s best for the graduate employment rate indicator in the 2019 QS Graduate Employability Rankings
• Placed in the 216th rank for employer reputation indicator in the 2019 QS World University Rankings results
• Top 21 ranking in the QS World Subject Rankings for Hospitality & Leisure
• Awarded 5-Star in five (5) categories of the QS Stars Rating
• Gold Award in the ‘Education & Learning’ category for the 9th consecutive year in Putra Brand Awards
• Gold Award in the ‘Private University/College’ category for the 8th consecutive year in the annual Reader’s Digest Trusted Brand Awards

2017

• Top 150 universities in Asia in the QS Asia Ranking
• Awarded 5-Star rating in five (5) categories of the QS Stars Rating
• Gold Award in the ‘Education & Learning’ category for the 8th consecutive year in Putra Brand Awards
• Gold Award in the ‘Private University/College’ category for the 7th consecutive year in the annual Reader’s Digest Trusted Brands Award

2016

• Top 200 universities in Asia in the QS Asia Ranking
• Awarded 5-Star rating in five (5) categories of the QS Stars Rating
• Gold Award in the ‘Education & Learning’ category for the 7th consecutive year in Putra Brand Awards
• Gold Award in the ‘Private University/College’ category for the 6th consecutive year in the annual Reader’s Digest Trusted Brands Award
Taylor’s University is a world-class international university which aims to provide its students with outstanding teaching and cutting edge learning facilities.

Our objective is to produce successful graduates who are first choice for leading employers. We also help our students to graduate with the ambition and entrepreneurial skills to establish their own successful businesses. Work experience gained through internship is an integral part of many of our programmes.

Taylor’s University has a strong international outlook based on its international faculty and students which come from all parts of the world. The international community at Taylor’s is something the University is proud of and intends to continue to develop in order to ensure that our graduates are prepared for the modern international workplace.

Research and enterprise are rising ever higher on the Taylor’s University agenda. Developing international-class research and expertise will further raise the reputation and standing of the University and the value of the degrees held by new graduates and alumni.

If you are thinking of becoming a student at Taylor’s University, my colleagues look forward to answering any question you may have and we look forward to your visit to our Lakeside Campus in Subang Jaya.

Sincerely,
Professor Michael Driscoll
Vice Chancellor and President of Taylor’s University
Research & Innovation

Taylor’s University has a firm footing in research and innovation as we believe these efforts can contribute towards knowledge building as well as assist in the development of the industry and society at large. As a University centred on research and innovation initiatives, we adopt a progressive outlook, embedding research components throughout our programmes and encouraging them at various levels in each faculty. Our students and faculty members engage extensively in “applied research”, which enhances the body of knowledge and creates a direct impact on real world applications. All academic staff appointed at the degree level actively undertake research within the institution or in collaboration with industries or universities, either foreign or local. This research work shapes the creation and dissemination of new knowledge, feeding into the practical application of that knowledge, and ultimately informs and enhances teaching at Taylor’s.
Teaching and Learning Support

TED complements the work of academic staff to create excellence in teaching through practice, development, and innovation. We offer workshops and seminars that address a range of timely topics associated with teaching, learning and technology in higher education to enhance teaching capability and learning engagement.

The Student Success Centre (SSC) assists students as they adjust to university studies. SSC offers intervention for students via a blend of workshops, personalised 1-2-1 consultations and peer support services to provide learning opportunities throughout the students’ journey towards academic success.

The name ‘academy’ reflects our core purpose as a unit which primarily promotes ‘learning how to teach with technology’. Hence, eLA’s task is to help our academic staff effectively and meaningfully implement the use of technology in transforming the learning journey of the students, and hence enable them to learn in a collaborative, self-directed and personalised manner, anytime and anywhere.

SAC spearheads Taylor’s University’s commitment to holistic education by providing a platform for students to obtain formal recognition for their extracurricular involvement through the 2nd Transcript and the SHINE Award. Besides running workshops to equip students with soft skills that will prepare them for the workplace, SAC also creates opportunities for students to engage in experiential activities outside of the classroom.
About Taylor's Computing & IT

Established in 1998, Taylor's Computing & IT offers a range of career-focused programmes, where graduates continue to meet industry standards, filling out the talent pool in ICT. Our motto, "Driving Innovation Through Technology" aims to provide students with ample opportunities to influence the future of the modern world – pioneering the frontiers of Computing and Information Technology with a positive impact on society.

Our industry relevant curriculum is a result of a conducive environment and multiple strong collaborations including, close ties to the industry, professional bodies, government agencies, and academia. Our programmes offered are comprehensive in practical content, using relevant and latest learning technologies.

Dr Chong Khong Neng
Principal Researcher and Lab Head
MIMOS Berhad

ICT constitutes 10.5% of GDP in Malaysia, and the goal is to boost it to 17% by 2020. There are still plenty of opportunity on applying ICT in various industries to drive innovation and productivity, with the aim to streamline business processes, improve service offerings and simplify operations. It is therefore a lucrative and highly sought-after industry.

Dual Award

Taylor's Computing & IT offers dual award degree programmes in collaboration with the Department of Computer Science and Creative Technologies, University of the West of England (UWE), UK. A quality review committee, comprising academics from both institutions, is established for quality assurance and the moderation of the standards of the programmes, which includes curriculum and assessment. Students will receive certification and academic transcripts from both Taylor's University and UWE upon completion of their degrees at Taylor's.

University of the West of England (UWE), UK.

- Dating as far back as 1595, UWE represents a long and well-established tradition of first-class professional education and training.
- With over 30,000 students, UWE is a modern, growing university situated in the thriving harbour side of Bristol.
- UWE has over 500 available workstations in their teaching laboratories as well as large open-access labs providing PC and Unix-based machines. They also host their own servers to provide Windows, Linux and Unix-based operating systems.
- The Department of Computer Science and Creative Technologies has strong linkage with the industry, including a multi-million pound strategic partnership with Hewlett-Packard, which has contributed towards an upgrade of computer technology and infrastructure across the campus.
- The Department has an active research community, which makes significant contribution towards various groups of studies such as Artificial Intelligence (AI), Complex Co-operative Systems and Unconventional Computing.
ACHIEVEMENTS

2017
Champion (Non-Degree Category)
Merit Award (Degree Category)
IHL-MSC Malaysia Startup Challenge

2016
Champion and 1st Runner-Up
Enterprise Resource Management Challenge 2016 - Malaysia Country Final

2015
Best Prototype Award
MIT Global Start-up Labs
1st Runner-Up World Citizenship Category (National Finals) Imagine Cup Competition by Microsoft Malaysia

2013
Challenge Trophy Award
Standard Chartered ICT Competition
Merit Award
MSC Malaysia - IHL Business Plan Competition

2012
Champion & Merit Award
E-Genting Programming Competition
2 Silver and 2 Bronze medals
Malaysia Technology Expo (MTE)

2010
Best Video Pitch for Business Idea
MSC Malaysia - IHL Business Plan Competition

2008
Gold and Silver medals
9th Malaysia Invention and Innovation Awards in 9th Malaysia Technology Expo (MTE)

Champion
MSC Malaysia - IHL Business Plan Competition
Student Industry Exposure

Student Technopreneur Development

Taylor’s Computing & IT has strong initiatives to develop student Technopreneurship. The technopreneur modules will be taught over 4 semesters (one credit per semester) and much of the delivery will be via seminar, forum and workshops. Students will be grouped into teams to form start-up companies. They are taught to create jobs instead of seek jobs. The school will provide the necessary support for the start-ups, such as coaching, nurturing ideas, and technical details. Listed below are some successful start-up companies by our students:

1. Traquer
   • http://www.traquer.my/
   • https://www.facebook.com/mytraquer/

2. FeedOn
   • https://www.facebook.com/FeedOnMalaysia/
   • https://www.facebook.com/FeedOnMalaysia/posts/460622967457964

3.VoltEdu
   • http://voltedu.wixsite.com/voltedu
   • https://www.facebook.com/voltedu.vn/

Industry-Driven Final Year Projects

Most of our Final Year Projects are done in collaboration with industry partners. Students will be assigned to real-world problems from industries. This will expose our students to some of the challenges faced by industry and how their ideas could help solve some of these challenges. These projects will be co-supervised by industry partners. This has resulted in some excellent industry products such as those listed below:

- BagBot (Innovative Idea with Creative Designs)
  Standard Chartered Bank
- Info Banjir Malaysia
  (Windows Phone App)
  Microsoft
- Instajob
  Google
- NoteFORensics
  PwC Malaysia
- Plus Toll Rate App
  (Android Platform)
  PLUS
- WiseCycle (Windows Phone App)
  Microsoft
- Crowdfunding Platform
  for Students
  Google Business Group
  (GBG) Malaysia
- Social Collaboration Application
  Hilti (Malaysia) Sdn Bhd
- Final Year Project Management System
  Taylor’s University School of Computing & IT
- My Life Priorities
  K365labs Sdn Bhd
- Requirements Request Approval System
  SharePoint Factory Sdn Bhd
All students will be given a Virtual Server. A Virtual Server is similar to a physical server, but it is hosted on the cloud. Students will use the servers to host websites, create operating systems, create e-business applications and many more. Students will be given hands-on experience for each of the computer science modules. The experience gained through the use of virtual or cloud servers, not only makes the students highly marketable, but also provides a strong practical exposure that is much needed by the industry.

Industrial Attachment

All our students will undergo a 6-month industrial training for the last 2 semesters of their programme. This will provide our students with the necessary industrial experience and the opportunity to explore their interest and apply the knowledge acquired from the programme. Many of our industrial attachment partners are top ICT companies. A good percentage of our students are offered jobs in the same company after their industrial attachment.

One-Student-One-Server

All students will be given a Virtual Server. A Virtual Server is similar to a physical server, but it is hosted on the cloud. Students will use the servers to host websites, create interactive web applications, install and configure server operating systems, create e-business applications and many more. Students will be given hands-on experience for each of the computer science modules. The experience gained through the use of virtual or cloud servers, not only makes the students highly marketable, but also provides a strong practical exposure that is much needed by the industry.

Student Apps

Traquer
Traquer is an innovative solution that aims to reduce road accidents caused by buses and provide safety assurance to passengers. The app is a social empowered road safety app and acts as a voice of public transport users.

Project Feedon!
With the vision to solve world hunger, address food wastage and revolutionise charity food distribution in Malaysia, FeedOn! provides a platform to match manufacturing companies that have excess food production with charitable institutions.

Pocket Mall
Pocket Mall is an online platform for those who want to start their own business using the Internet. The app encourages users to sell new or hand-me-down clothes, shoes, accessories, or anything in between to gain extra points.

Ensuerer
Ensuerer is an online-based insurance product that insures damaged, lost or stolen smartphones and other portable digital gadgets. Without the need for agents, Ensuerer crowdsources funds from people, who pay for monthly subscriptions for the product.

Wakker App
Wakker App is a precise journey planner that integrates all types of public transportation and routes. It wakes up commuters who have dozed off during their trip, calculates and informs commuters about public transport vehicle’s estimated time of arrival and feeds location data to users who have already embarked on their journey.
Research Work

Newton Research Project: Smart Mobility Cities - Kuala Lumpur

The Newton project brings together air quality and health researchers, government and public to improve the knowledge of road transport related airborne particulate matter and its impact on human health. This study develops and implements an integrated methodology to assess the health impacts of particulate matter resulting from transport related air pollution covering the whole chain from road emissions to disease burden ranging from city (Kuala Lumpur) to country (Malaysia).

Research Grants

Taylor’s Computing & IT is active in research and successfully acquired various research grants locally and internationally. Since 2012, we have secured research grants of approximately RM3.1 million. Recent active research grants are listed below:

- **Smart Sustainable City – Connecting Bristol to Kuala Lumpur**
  - A research grant secured in collaboration with the University of the West of England, Bristol from British Council’s Institutional Link programme funded by the UK governments Newton Fund.

- **Modelling and Management of Responsible Rural Tourism Framework**
  - One of the six research projects under the Multi-Dimensional Responsible Rural Tourism Capacity (MRRTC) Framework for Sustainable Tourism under the Long Term Research Grant Scheme (LRGS), Ministry of Higher Education (MoHE)

- **Predictive Analytic Theory Generation for a Bio-Inspired Intrusion Prevention and Self Regeneration System for Improved Cyberdefense**
  - Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (MoHE)

- **A Novel Automatic Wrapper for Deep Web Resources Using Ontology**
  - Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (MoHE)

- **Properties and Estimation of The Parameters of Second Order Generalized Autoregressive Moving Average (GARMA) Models**
  - Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (MoHE)

- **Foundations for Novel Bio-Inspired Intrusion Prevention and Self-Healing System for Advanced Network Services**
  - Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (MoHE)

  - Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education (MoHE)

  - Joint research with Universiti Sains Malaysia (USM) under the USM Research University Grant in collaboration with Universiti Teknologi Malaysia Melaka

In addition to external and internal research grants, our academics recently worked on consultancy projects worth an estimate of RM100, 000.

Our lecturers take every opportunity to support students to conduct research, from inception to publishing of papers in reputed peer reviewed journals. The recognition of their findings include citation in other journals, secured travel grants to participate and present their research papers at international conferences.

*Figure: Research Areas of Focus under Taylor’s Computing & IT*
Experiential Learning

Competitions

Students are given the opportunity to sharpen their programming and problem-solving skills through participating in various national and international competitions. This enables them to obtain feedback from experts, boost their confidence as well as enhance their communication and business presentation skills.

01 AngelHack
02 Celcom Project U.O.X
03 Digi Mobile Challenge
04 E-Genting Programming Competition
05 F-Secure National Inter Varsity Security Tech Quiz Championship
06 Hili Big Data Analytics International Competition
07 Microsoft Imagine Cup
08 MNCC Computing Challenge
09 Institute of Higher Learning - Multimedia Super Corridor Malaysia Start Up Challenge
10 Standard Chartered ICT Competition
11 NASA Space App Challenge
12 MIT Global Start-up Labs (GSL)
13 Enterprise Resources Management Challenge
Industry Partnerships

In order to keep abreast with global trends and bridge the gap between academia and the industry, we have developed a web of relationships with international technology companies and entrepreneurs. These pillars of the ICT community provide Taylor’s Computing & IT with valuable insight into the industry and shed light on the fundamental shifts in IT consumption and consumer behaviour.

These strategic alliances facilitate dynamic knowledge exchange, enabling our students to reap the rewards of these collaborations. In turn, Taylor’s Computing & IT serves as an ideation lab and a gateway to innovation, talent and research activities for the industry.

Soft skills are embedded throughout our curriculum and instilled in our students through project-based learning, internship programmes, field trips, as well as events and activities that stimulate the students to get involved in activities outside their chosen field and develop out-of-the-box thinking. These activities also provide them with industry exposure and enable them to learn more about the application of technology in the real world.

Our holistic approach has successfully produced not just ICT graduates, but technopreneurs who are geared to meet and tackle the challenges of the future.

Guest Lectures

We invite eminent personalities from various Industries and Institutions to lend valuable information from their experiences to our students. Our Guest Lecture is a way of enriching our students with the latest from the industry. Through guest lectures, students are bestowed with knowledge about industry needs, latest technical updates and trends. Some of the organisations that have delivered guest lectures at Taylor’s Computing & IT include:

- ABS Technologies
- BAE Systems Applied Intelligence
- Blackberry
- Experian Information Solutions, Inc
- Founders Lab
- Google Singapore
- Hilti Asia IT Services
- IBM Malaysia
- iTrain (M) Sdn Bhd
- K365labs Sdn Bhd
- Kaapagam Technology
- Microsoft Malaysia
- Prosper Solutions Sdn Bhd
- Sensata Technologies
- Shell Business Operations Sdn Bhd
- Spektra Alucast (M) Sdn Bhd
- Standard Chartered Bank
- Tech in Asia, Singapore
- Xyler Technologies Sdn Bhd
- E-Centric Innovation, Australia
- Shared Point Factory
- Connectcloud
- O2O Commerce

Expert Forums

Taylor’s Computing & IT provides various expert platforms that feature talks and lectures delivered by invited speakers from the industry as well as adjunct faculty members, who speak about the ICT industry and profession.

Apart from strengthening the School’s teaching profile, these industry practitioners also provide students with an opportunity to interact with professionals in specialised fields to enhance their learning.
Industry Advisory Panel (IAP)

Taylor’s Computing & IT works closely with the IAP to ensure the programmes offered are relevant to current IT industry practices and requirements. The IAP provide input in developing and offering new curriculum to meet the current and future market demands.

Our IAP members include:

Dr Dzahar Mansor
PhD
National Technology Officer
Microsoft Malaysia

One of the biggest myths today is the believe that there are no jobs in ICT industry. It has been reported that the fastest growing occupations globally include health care and information technology. The truth is there are ample job opportunities in Malaysia and around the world awaiting those who are passionate about this field.

Mr Philip Victor
Head of Market Development - APAC
(ISC)², Inc.

Taylor’s School of Computing and IT’s efforts in ensuring its courses are always current and abreast with the industry makes their students marketable and sought after.
Industry Certifications

Our programmes meet the rigorous standards of the Malaysia Software Testing Board (MSTB) due to our stringent entry requirements, comprehensive curriculum, students' work and achievements, and qualified teaching faculty.

The industry-wide recognition attached to these accreditations greatly enhances our students' career opportunities and the quality of our teaching faculty. They also ease the pathway for our students to pursue a professional qualification or further their studies upon graduation.

Some of the certifications undertaken by our students are as follows:

- **SAP-ERP**  
  By SAP Asia Pte Ltd

- **Google Web Academy Certified Online Professional**  
  By Google Web Academy

- **Certified Tester Foundation Level (CTFL)**  
  By International Software Testing Qualification Board (ISTQB)

- **Certified Professional Requirement Engineer (CPRE)**  
  By International Requirement Engineering Board (IREB)

Our highly-qualified faculty members also possess extensive industry experience and actively pursue professional certification in key areas of specialisation. Many of them are regarded as experts in their respective fields:

- Sun Certified Java 2 Programmer
- Certified Tester, Foundation Level, ISTQB
- Certified Professional for Requirements Engineering, IREB
- Project Management Professional (PMP)
- Certified Network Engineer in IPv6 (CNE6)
- Cisco Trained Academy Instructor
- Certified Online Professional, Google
- Certified Cloud Professional, Google
- Red Hat Certified Administrator
- Certified in Training - Train the Trainer, PSMB
- Level 2 TRIZ Practitioner, The Malaysia TRIZ Innovation Association
- Introduction to SAP, ERP Trainer
- Data Modelling and Data-based Design, Oracle Intro to Oracle: SQL & PL/SQL
- Oracle8i Managing Data, Oracle
Industry Networking Session

This event is supported by IT professionals and consultants from various national and multinational companies across Malaysia that is a platform for industry leaders to discuss trends and demands of the IT industry. Such events provide opportunities for exchange of ideas amongst students and professionals.

SOCIT has almost 100% graduate employability rate. All our graduates have been successfully employed within 3 months of their graduation.

Employable Graduates

Our top employers include:

- Accenture
- Allianz
- Basis Bay
- BMW
- Deloitte
- Experian
- Hilti
- IBM
- Microsoft
- PwC
- Siemens
Testimonials

**Sim Hong Chun**  
*Bachelor of Software Engineering (Hons)*  
*Mobile Application Developer, Hilti Asia IT Services Sdn Bhd, Malaysia*

Taylor’s provided a platform for students to interact with the industry through career fairs and industry talks. In joining various clubs and societies, I was taught to manage tasks and improve my teamwork and leadership skills, while meeting people and having fun!

**Ariff Suffian Bin Zainal Abidin**  
*Bachelor of Computer Science (Hons) (Computer Security & Forensics)*  
*IT Consultant / Auditor, PricewaterHouseCoopers Malaysia*

I was given the chance to obtain globally recognized certificates during my degree, such as the Certified Ethical Hacker certificate by EC-Council. This has given me the advantage over other candidates when applying for jobs.

**Mr Liow Ren Jan**  
*Co-Founder & Executive Director, O2O Commerce Sdn Bhd*

Technopreneurship is not all about personal financial gain. It is about crafting a lifelong plan to make a positive impact for the society. True wealth should be built on integrity and ethics.

**Koniaaseelan Siva Seelan**  
*Bachelor of Computer Science (Hons) (Computer Security & Forensics)*  
*Technical Account Manager, Microsoft Malaysia*

It was a privilege to be taught by some exceptional lecturers who eventually shaped me into the person I am today. Taylor’s has given me tons of exposure through various leadership programmes and equipped me with the knowledge and skills I require to excel in the industry.
Mr Bikesh Lakhmichand  
CEO and Founder,  
1337 Ventures

We were pleased to have Traquer as one of the teams to undergo our Alpha Startups pre-accelerator programme. The team showed great perseverance to make their startup a success and the founder Shi Jin, had great determination and tenacity which gave us the confidence to help him open doors that led to his team pitching his idea to the CEO of S.P.A.D himself. We were glad to be able to guide the team in validating their market and via our design sprint coaching help them focus on the essentials for a quick MVP to launch. We look forward to seeing more founders from Taylor’s University joining our programme to help them on their entrepreneurial journey.

Mr Lee Yu Kit  
Chief Technology Officer,  
IBM Malaysia

The fast moving IT environment provides plenty of challenge to IT students equipped with the right soft and hard skills. The changing market will need bright, motivated individuals who can look forward to challenging and exciting careers as IT is pervasive in all industries. Now, more than ever, IT is going to reshape the world we live in. Taylor’s School of Computing & IT has provided the right platform to achieve the same.

Mr Jesmond Chang  
Corporate Communications Manager,  
Kaspersky Lab

We are delighted to note the level of knowledge and insights Taylor’s students have with regards to computer security. This was evident even amongst your 1st year students.
Testimonials

Mr Ganapathy Sirgunavel
Managing Director,
Anaplan Inc.

I found students at Taylor’s School of Computing & IT highly versatile and capable. They were able to succinctly relate to real-world problems and were not shy in taking roles and responsibilities. This is testimony to the curriculum and the projects that they undertake. Keep up the good work!

Mr Sivalingham Latchmanan
System Software Engineering Manager,
Sensata Technologies

We are pleased with the performance of Taylor’s students. We plan to move their development work into mainstream production.

Mr Navin Danapal
Senior Audience Manager,
Microsoft Malaysia

We had an intern from School of Computing & IT who has shown great passion in the new industry of Big Data by showcasing understanding of Microsoft Azure Machine Learning for analytics in various seminar speaking engagements and hands-on lab workshops.
Mr Ervin Loh Chuan Ho  
Application Lifecycle Management Program Manager,  
K365labs Sdn Bhd

The guest lectures provide the students at Taylor’s University not only with different points-of-view, but also as the vessel of knowledge that they can apply in later courses or in their internships.

Dato’ Ng Wan Peng  
Chief Operating Officer,  
Malaysia Digital Economy Corporation

Taylor’s works closely with the industry to understand the industry needs. We look forward to Taylor’s producing more relevant graduates for the Digital Technology industry.

Mr Nicholas John  
Executive Producer,  
Astro Supersport

Taylor’s students are among the top universities we always consider when recruiting. We find your students well-rounded and carry themselves well.

Mr Man Mohan Kapur  
Director,  
Education Services, SAP

Many independent research companies have indicated that there is a shortage of people with relevant ICT skills especially in the area of integrated software, business intelligence and other related areas. I am pleased to see that Taylor’s has excellent training curricula in ICT and is helping in addressing the shortage.
Reference List

- Cyber Security Malaysia
  www.cybersecurity.my

- IBM Malaysia
  www.ibm.com.my

- International Association of Software Architects (IASA)
  www.iasaglobal.org

- International Multilateral Partnership Against Cyber Threat
  www.impact-alliance.org

- International Requirements Engineering Board (IREB)
  www.certified-re.de/en

- International Software Testing Qualifications Board (ISTQB)
  www.istqb.org

- Kaspersky Malaysia
  www.kaspersky-sea.com

- Malaysian Communications and Multimedia Commission (MCMC)
  www.skmm.gov.my

- Malaysian National Computer Confederation
  www.mncc.com.my

- Malaysian Software Testing Board (MSTB)
  www.mstb.org

- MIMOS
  www.mimos.my

- Ministry of Science, Technology and Innovation
  www.mosti.gov.my

- MSC Malaysia
  www.mscmalaysia.my

- Multimedia Development Corporation (MDeC)
  www.mdec.my

- PIKOM, The National ICT Association of Malaysia
  www.pikom.org.my

- University of the West of England (UWE)
  www.uwe.ac.uk
Diploma in Information Technology

Bachelor of Information Technology (Hons)
Specialisations:
1. Internet Technologies
2. Digital Media

Bachelor of Computer Science (Hons)
Specialisations:
1. Cloud Computing
2. Data Science
3. Cyber Security
4. Mobile Computing

Bachelor of Software Engineering (Hons)
EDUCATION PATHWAY

SPM / O Level / Equivalent

Foundation in Computing
1 Year

Diploma in Information Technology
2 Years with internship

STPM / UEC / A Levels / SAM / SACEi / CPU / IB / Equivalent
1-2 Years

Bachelor of Computer Science (Hons)
or
Bachelor of Software Engineering (Hons)
or
Bachelor of Information Technology (Hons)
3 Years with Internship

Awarded by Taylor’s University & University of the West of England (UWE), (UK)

Note: All Diploma programmes that meet the requirements of Degree programme will have advanced standing.
DIPLOMA IN INFORMATION TECHNOLOGY

KPT/JPS (R/481/4/0668) (MQA/FA0095) 11/20

INTAKE: MARCH & AUGUST

The programme is designed to equip students with the essential knowledge, skills and mindset to explore technology-based ventures.

Combining theory and practice with real world experience, the programme covers key technical knowledge in analysing user requirements and specifications, development, implementation, testing and maintenance of systems. Students will also gain exposure to the major elements of technopreneurship activities. Upon completion, students will have the ability to apply the concepts and technologies to practice, grooming them for further studies, careers in software development or technopreneurship.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
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<tbody>
<tr>
<td>• Academic English</td>
<td>• Software Project Management</td>
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<tr>
<td>• Introduction to Information Technology</td>
<td>• Database Systems</td>
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<tr>
<td>• Computing Mathematics</td>
<td>• Data Communications and Networking</td>
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<tr>
<td>• Problem Solving &amp; Programming Design</td>
<td>• Principles of Web Development</td>
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<tr>
<td>• Management Information Systems</td>
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<td>• Object-Oriented Programming</td>
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<td>• Computer Architecture</td>
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<td>• Human-Computer Interaction</td>
<td>• Computing Project</td>
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<td>• UCM1</td>
<td>• Free Elective II</td>
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<td>• UCM2</td>
<td>• Industrial Training</td>
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<td>• UCM3</td>
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<td>• UCM4</td>
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<tr>
<td>• Free Elective I</td>
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48 Credit Hours

42 Credit Hours

Note: Students are required to select 2 open electives offered under any of the ADP/Diploma programmes in Taylor’s University. Students are requested to take Bahasa Kebangsaan A if they do not obtain a Credit for Bahasa Malaysia in SPM.
INTAKE: MARCH & AUGUST

The programme teaches students to use Internet Technologies and applications to solve real-world problems. The areas of studies include computer hardware and software, software development, web programming, web technologies and e-commerce. Graduates will have strong capabilities to integrate business requirements with Information Technology to improve and transform the business processes within an organisation.

Primary Core

- Database Systems
- IT Fundamentals
- Mathematics and Statistics
- Object Oriented Programming
- Data Structures and Algorithm
- Human Computer Interaction
- Systems Administration and Platform Technologies
- Computer Networking
- Information Assurance and Security
- Professional Computing Practice
- Capstone Project (Part I)
- Capstone Project (Part II)
- Industrial Training

Specialisation

Compulsory Modules
- Web Development Technologies
- Understanding Entrepreneurialism
- System Integration and Architecture
- Web Application Programming

Choose ONE (1) of the options:

Option 1: Internet Technologies
- Mobile Applications Development
- Wireless Networks and Security
- Introduction to Cloud Computing
- Internet of Things

Option 2: Digital Media
- Mobile Applications Development
- Application Design 1
- Design Principle
- 3D Modelling

Complementary Studies

Choose ONE (1) of the below packages:

Extension

For Option 1: Internet Technologies, choose one of the below Extension Packages:
- Data Science
- Cyber Security
- Digital Media

For Option 2: Digital Media, choose one of the below Extension Packages:
- Data Science
- Cyber Security
- Internet Technologies

Note: Students must choose an Extension package that is different from their chosen specialisation.

or

Minor

Recommended Packages:
- Robotics Design
- Creative Media Design
- Broadcasting
- Advertising
- Biotechnology
- Accounting
- Finance
- Marketing
- Management
- International Business
- Economics
- Entrepreneurship
- Family Business
- Business Analytics
- Financial Economics
- Law

Choose any Minor package* offered by Taylor's University.
Refer to the Complementary Study Guide for the list of Minor packages.

or

Second Major

Choose any Second Major package* offered by Taylor's University.
Refer to the Complementary Study Guide for the list of Second Major packages.

or

Free Electives

Choose any FIVE (5) Free Electives* offered by Taylor's University.
Refer to the Complementary Study Guide for the list of Free Electives.

*Subject to availability
*Meet min. module pre & co-requisite

Note:
Primary Core + University Core + Extension = Min. 3 Years (120 Credit Hours)
Primary Core + University Core + Minor = Min. 3 Years (120 Credit Hours)
Primary Core + University Core + Second Major = Min. 3.5 Years (148 Credit Hours)
Primary Core + University Core + Free Electives = Min. 3 Years (120 Credit Hours)
INTAKE: MARCH & AUGUST

Computer Science is considered to be the foundational science that takes scientific and practical approaches to computerisation and its application. The programme will cover the methodical processes such as algorithms, in order to acquire, represent, process, store, communicate and access information.

**Primary Core**

**Common Core**
- Database Systems
- Computer Architecture and Organisation
- Discrete Structures
- Object Oriented Programming
- System Fundamentals
- Data Structures and Algorithm
- Human Computer Interaction
- Operating Systems and Computer Networks
- Software Engineering
- Theory of Computation
- Capstone Project (Part I)
- Capstone Project (Part II)
- Industrial Training

**Specialisation**

**Compulsory Modules**
- Understanding Entrepreneurialism
- Advanced Programming
- Professional Practices and Information Security
- Machine Learning and Parallel Computing

Choose ONE (1) of the options:

**Option 1: Cloud Computing**
- Introduction to Cloud Computing
- Cloud Application Development
- Data Centre Virtualisation
- Big Data Technologies

**Option 2: Data Science**
- Statistical inference and modeling
- Data Science Principles
- Data Mining
- Big Data Technologies

**Option 3: Cyber Security**
- Computer Network Security
- Computer Intrusion Detection
- Computer Crime and Digital Evidence
- Wireless Networks and Security

**Option 4: Mobile Computing**
- Introduction to Mobile Computing
- Mobile Applications Development
- Wireless Networks and Security
- Internet of Things

**Complementary Studies**

Choose ONE (1) of the below packages:

**Extension**

For Option 1: Cloud Computing, choose one of the below Extension Packages:
- Data Science
- Cyber Security
- Digital Media

For Option 2: Data Science & Option 3: Cyber Security, choose one of the below Extension Packages:
- Data Science
- Cyber Security
- Cloud Computing

For Option 4: Mobile Computing, choose one of the below Extension Packages:
- Data Science
- Cyber Security

Note: Students must choose an Extension package that is different from their chosen specialisation.

**or**

**Minor**

Recommended Packages:
- Robotics Design
- Creative Media Design
- Broadcasting
- Advertising
- Biotechnology
- Accounting
- Finance
- Banking
- Marketing
- Management
- International Business
- Economics
- Entrepreneurship
- Family Business
- Business Analytics
- Financial Economics
- Law

Choose any Minor package* offered by Taylor’s University. Refer to the Complementary Study Guide for the list of Minor packages.

**or**

**Second Major**

Choose any Second Major package* offered by Taylor’s University. Refer to the Complementary Study Guide for the list of Second Major packages.

**or**

**Free Electives**

Choose any FIVE (5) Free Electives* offered by Taylor’s University. Refer to the Complementary Study Guide for the list of Free Electives.

*Subject to availability
*Meet min. module pre & co-requisite

**Note:**
- Primary Core + University Core + Extension = Min. 3 Years (120 Credit Hours)
- Primary Core + University Core + Second Major = Min. 3.5 Years (148 Credit Hours)
- Primary Core + University Core + Free Electives = Min. 3 Years (120 Credit Hours)
**BACHELOR OF SOFTWARE ENGINEERING (HONS)**

KPT/JPS (R/481/6/0726) (MQA/FA0600) 05/21
Bachelor of Science (Hons) Software Engineering (UWE, UK)

**INTAKE: MARCH & AUGUST**

This programme is designed to equip students with the skills needed to develop and maintain large and complex systems or applications. Students will analyse user requirements, design, test and develop software by applying theories and principles of software engineering. Students will have good understanding of latest tools and processes for software design and development as well as get practical exposure.

### Primary Core

- Database Systems
- Computer Architecture and Organisation
- Discrete Structures
- Object Oriented Programming
- Advanced Programming
- Data Structures and Algorithm
- Software Project Management
- Systems Fundamentals
- Professional Computing Practice
- Statistics and Operational Research
- Software Design
- Computer Networking
- Software Engineering
- Requirements Engineering
- Operating Systems
- Theory of Computation
- Software Testing
- Software Quality Management
- Capstone Project (Part I)
- Capstone Project (Part II)
- Industrial Training

**88 Credit Hours**

### University Core

- Community Service Initiative
- Hubungan Etnik / Malaysian Studies 3
- Life Skills for Success and Well-Being
- Millennials in Malaysia: Team Dynamics and Relationship Management
- Tamadun Islam dan Tamadun Asia / Bahasa Melayu Komunikasi 2

**12 Credit Hours**

### Complementary Studies

**Choose ONE (1) of the below packages:**

#### Extension

- Data Science
- Cloud Computing
- Cyber Security
- Mobile Computing
- Internet Technologies
- Digital Media

**or**

#### Minor

- Robotics Design
- Creative Media Design
- Broadcasting
- Advertising
- Biotechnology
- Accounting
- Finance
- Banking
- Marketing
- Management
- International Business
- Economics
- Entrepreneurship
- Family Business
- Business Analytics
- Financial Economics
- Law

Choose any minor package* offered by Taylor’s University. Refer to the Complementary Study Guide for the list of minor packages.

**or**

#### Second Major

Choose any second major package* offered by Taylor’s University. Refer to the Complementary Study Guide for the list of second major packages.

**or**

#### Free Electives

Choose any FIVE (5) free electives* offered by Taylor’s University. Refer to the Complementary Study Guide for the list of free electives.

*Subject to availability
*Meet min. module pre & co-requisite

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Note:

- Primary Core + University Core + Extension = Min. 3 Years (120 Credit Hours)
- Primary Core + University Core + Minor = Min. 3 Years (120 Credit Hours)
- Primary Core + University Core + Second Major = Min. 3.5 Years (148 Credit Hours)
- Primary Core + University Core + Free Electives = Min. 3 Years (120 Credit Hours)