

Technology on the forefront

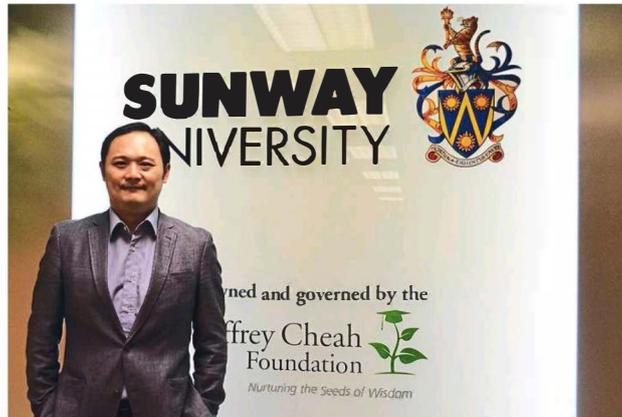
FASCINATED with American TV series *CSI: Cyber* (*Crime Scene Investigation: Cyber*)? Sunway University is offering a new programme – BSc (Hons) Information Technology (Computer Networking and Security), helping equip one with skills, knowledge and attitude of forensic hacking and professional ethical hacking synonymous with the TV series.

With the increasing use of technology and the Internet, cybercrime is on the rise. Information technology security positions, such as computer hacking forensic investigators and ethical hackers, also known as white hat hackers, have become the most in-demand positions globally.

The former focuses on the investigation part of computer hacking by helping criminal justice enforcers solve cybercrimes, while the latter is well-versed in the prevention part of computer hacking, helping discover any possible vulnerabilities of internal servers and systems.

Sunway University Faculty of Science and Technology Associate Dean, Associate Prof Dr Lau Sian Lun, believes that in addition to chief information officers, the future would have more chief information security officers adding to the growing demands of skills and knowledge in the field of information security. BSc (Hons) Information and Technology (Computer Networking and Security) is designed specifically to meet such demands for the industry.

Students in this programme will progressively discover and master the basics of information technology, then further explore the technology behind computer networks and security systems.



Dr Lau is one of the masterminds behind the new BSc (Hons) Information Technology (Computer Networking and Security) programme.

This programme focuses on developments in networking and distributed applications such as the Internet and World Wide Web, corporate networks and the information systems that they interconnect.

It also prepares students for the internationally recognised professional certifications, including Certified Ethical Hacker and Computer Hacking Forensic by the EC-Council. These certifications are also

highly recommended by both local and international institutions, regardless of commercial or government, in enhancing students' learning and future employability.

In addition, the three-year programme is validated by Lancaster University. The university's research in computer science is among the best in the world and it is ranked ninth in the United Kingdom. Graduates of the programme will receive two scrolls from

two prestigious universities – one from Sunway University and another from Lancaster University.

Sunway University Faculty of Science and Technology has been encouraging students to learn and grow their skills beyond the classroom.

Students are encouraged and supported to carry out research collaboration with lecturers, internships with enterprises and participate in competitions such as hackathons, programming competitions and international innovation exhibitions.

Particularly in hackathons, students get the opportunity to work with other computer programmers and work intensively on software and hardware development. The same teaching methodology will also be incorporated in the new programme to expose students to the real world.

"I encourage my students to step out of their comfort zones and be in constant learning mode."

"They have to 'learn-to-learn' throughout their studies as the systems, devices or applications they are learning at university are changing rapidly every day. As they start their career, they can then apply this skill to keep themselves equipped with the latest trends and technology," said Dr Lau.

Students interested to join the programme will be entitled to a RM3,000 bursary.

■ For more details about the BSc (Hons) Information Technology (Computer Networking and Security), log on to <http://sunway.edu.my/university/FST>. Alternatively, e-mail info@sunway.edu.my or call 03-7491 8622.

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