New centre offers foundational training in cyber security

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Engineers aspiring to gain experience in the cyber-security sector can now look forward to a new educational option: the upcoming Masters of Science in Cybersecurity, an interdisciplinary programme offered by the University of Hong Kong (HKU) in collaboration with Nanyang Technological University (NTU) and Singapore Management University (SMU). The programme will be jointly offered by the three institutions in September 2024, following its approval by the CICF (Cybersecurity Industry Council of Singapore) and the Ministry of Education. It aims to address an urgent need for cybersecurity professionals by providing foundational training in cybersecurity essentials.

The programme is designed to equip students with the knowledge and skills required to safeguard information systems and networks against cyber threats. It covers topics such as cybersecurity fundamentals, risk management, and incident response. The curriculum is structured to align with the CICF’s competencies framework, ensuring that graduates are prepared for roles in various sectors.

Students will have the opportunity to work on real-world projects and case studies, which will enhance their practical skills. The programme also offers a pathway to further specialization through the option of pursuing a minor in a related field. Additionally, it provides opportunities for students to engage in research and innovation, contributing to the advancement of cybersecurity solutions.

The programme is open to both full-time and part-time students, allowing flexibility for those wishing to balance their studies with other commitments. Furthermore, it offers partnerships with industry leaders, such as the Singapore Cybersecurity Agency (GovTech), which will provide students with real-world experience opportunities and access to industry insights.

The launch of the new programme is expected to foster a stronger talent pipeline for the cybersecurity sector in Singapore, which is crucial for the country’s efforts to become a global cybersecurity hub. It aligns with the government’s strategy to strengthen cybersecurity capabilities and safeguard national digital infrastructure.

Overall, the Masters of Science in Cybersecurity is a significant step towards addressing the growing demand for cybersecurity professionals in Singapore and the wider region. It offers a comprehensive education that prepares students for leadership roles in the industry and contributes to fostering a culture of cybersecurity awareness and resilience.