Advanced Technology and Computing
先進科技及電腦運算

Preparatory Courses for BSc Computer Science (Machine Learning and Artificial Intelligence)

2587 3223

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With the BSc Computer Science (Machine Learning and Artificial Intelligence), students will be able to apply for a range of technical, problem-solving jobs in a rapidly growing area. Machine learning (ML) provides a means for computer systems to extract useful information from data. These techniques are widely used in the technology industry for a variety of applications, for example, recommending music and products to people, identifying faces in photos and predicting trends in financial markets. Companies and institutions are applying ML and AI (artificial intelligence) to a wide range of problems in business, finance, medicine, education, video games, engineering and science as well as new application areas such as music and other creative work.

Title	Programme code	Duration	Fee
Algorithms and Data Structures I	IMAT9149	12 hours	HK$4,800
Discrete Mathematics	IMAT9150	12 hours	HK$4,800
Fundamentals of Computer Science	IMAT9151	12 hours	HK$4,800
How Computers Work	IMAT9152	12 hours	HK$4,800
Introduction to programming I	IMAT9153	12 hours	HK$4,800
Introduction to programming II	IMAT9154	12 hours	HK$4,800
Numerical Mathematics	IMAT9155	12 hours	HK$4,800
Web Development	IMAT9156	12 hours	HK$4,800

Cyber Security
網絡保安

BSc (Hons) Computer Science (Cyber Security)

Programme Code: IT053F

University of Plymouth, UK
Application Code: 2350-IT053F

NCR1

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Cyber security is now widely recognised as an international priority, with hacking, malicious code, and data theft being just three of the many reasons why its vital in the design, development and implementation of today's IT systems. Unlike traditional bachelor degree programme (BSc) in Computer Science, the BSc (Honours) Cyber Security program at the University of Plymouth is a hands-on degree program that prepares students for the dynamic world of cybersecurity. With a focus on practical experience, students will study topics such as security architectures, cryptography, security management, and computer forensics, as well as offensive security and ethical hacking. Graduates will be equipped to pursue various careers in cybersecurity, including information security analyst, cyber security engineer, network security architect, and cyber operations specialist.

R Applicants should:
- Hold an Advanced Diploma in Computer and Information Security or a Higher Diploma in Information Technology awarded within the HKU system through HKU SPACE; OR
- Hold an IT-related Associate Degree awarded within the HKU system through HKU SPACE or a Higher Diploma or an Associate Degree in IT-related disciplines awarded from other tertiary institutions, recognized by University of Plymouth;

If the above academic qualification is from an institution where the language of teaching and assessment is not English, applicants shall provide evidence of English proficiency such as:
(i) an overall band of 6.0 in the IELTS (with minimum component scores of 5.5 in all four components: listening, reading, speaking and writing); or
(ii) an overall score 76 or above in the TOEFL iBT (with minimum component scores of listening 17, reading 18, speaking 20, writing 18)

* According to University of Plymouth regulation, mature students and applicants with other equivalent qualifications will be considered on a case-by-case basis.

$ HK$108,000 in four instalments (Year 2: HK$45,000; Year 3: HK$63,000)
Application Fee: HK$150

D 2 years English

Advanced Diploma in Computer and Information Security

Programme Code: IT051A

Application Code: 2345-IT051A

CEF Modules 4

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Advanced Diploma in Computer and Information Security is a 20-month part-time programme designed for secondary school graduates who aspire to pursue a career in computer and information security.

This programme aims to enhance students' comprehension of fundamental concepts, principles, and theories in computer & information security, which has been spurred by the pervasive use of computer-based applications such as information systems, databases, and computer programming. Students are also given an understanding of computer system and architecture, access control mechanisms, cryptography algorithms, software security, physical security, security management and risk management as well as computer forensics.

R Applicants shall:
(a) have gained in the HKDSE Examination Level 2 in 5 subjects, including English Language; or
(b) have gained in the HKALE Grade E in 1 AL or 2 AS subjects, and HKCEE Level 2 in English Language or equivalent; or
(c) be aged at 21 or above with at least 1 year relevant work experience.

$ HK$48,000 paid in 3 instalments
Application Fee: HK$150

D 20 months English

Q Level 4 (Reg. No.: 16/000264/L4) Validity Period: 07 Apr 2016 - on-going

電腦鑑證科技（高中應用學習）證書

課程編號：IT048A

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本課程旨在為學生提供電腦鑑證科技的基礎知識和技術，學生將體驗到鑑證人員的角色和責任。透過搜證數碼資訊的原則和理論，學生將了解電腦鑑證相關的社會和道德問題。

$ HK$15,200 D 2年

Q 資歷架構級別：3 資歷名冊登記號碼：15/000860/L3
資歷名冊登記有效期：2015年3月31日 - 2028年8月31日