

# Advanced Technology and Computing

## 先進科技及電腦運算

### Managing IT Projects in Government

Programme Code: IMAT9147

S

☎ 2975 5887

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The government is always one of the biggest customer spending billions of dollars on IT market every year. This 2-days workshop aims to provide useful and practical knowledge about managing IT project under the HKSARG environment. These series of workshops are designed for working professionals (especially those working on VENDOR side) who need to participate in HKSARG's IT project and want to deliver the result satisfactorily.

💰 HK\$2,250

D 15 hours

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

Programme Code: IMAT9151

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☎ 2587 3223

✉ stephanie.ny.leung@hkuspace.hku.hk

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

NCR1

University of Plymouth, UK  
Application Code: 2350-IT053F

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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:
- 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
  - 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: 2265-IT051A

CEP 4 Modules

☎ 2587 3256

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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:
- have gained in the HKDSE Examination Level 2 in 5 subjects, including English Language; or
  - have gained in the HKALE Grade E in 1 AL or 2 AS subjects, and HKCEE Level 2 in English Language or equivalent; or
  - 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

See legend on page 031 圖像說明於第031頁

- R** Minimum Entry Requirements 基本入學要求 (P.017)   **S** Fee 學費   **D** Duration 修業期  
**🇬🇧** Medium of Instruction 教學語言   **Q** Qualifications Framework 資歷架構   **E** Exemption 豁免   **S** Short Course 短期課程

For more and latest programme information, please visit our website  
有關最新課程資訊及詳情，請瀏覽學院網站 [hkuspace.hku.hk](http://hkuspace.hku.hk)

### 電腦鑑證科技 (高中應用學習) 證書

課程編號：IT048A

☎ 3762 0051

✉ d.chau@hkuspace.hku.hk

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

📅 2年

📄 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

### Data Science

#### 數據科學

### Advanced Diploma in Big Data Analytics and Applications

Programme Code: IT057A

Application Code: 2245-IT057A

☎ 2587 3223

✉ stephanie.ny.leung@hkuspace.hku.hk

Advanced Diploma in Advanced Diploma in Big Data Analytics and Applications programme is a 12-month part-time programme designed for secondary school graduates who have aspirations to pursue a career in the Big Data Analytics field. This programme is designed to help students develop basic skills in big data analytics. It provides students with the opportunity to gain in-depth knowledge and critical understanding of a range of issues and concepts in Big Data Analytics.

📄 Applicants shall

- have gained in the HKDSE Examination Level 2 in 5 subjects, including English Language; OR
- have gained in the HKALE Grade E in 1 AL or 2AS subjects, and HKCEE Level 2 in English Language or equivalent

💰 HK\$52,000 (to be paid in 2 instalments)  
Application Fee: HK\$150

📅 1 year

🇬🇧 English

📄 Level 4 (Reg. No.: 17/000309/L4) Validity Period: 07 Apr 2017 - on-going

### 人工智能與機械人 (高中應用學習) 證書

課程編號：IT088A

☎ 2587 3294

✉ eve.cheung@hkuspace.hku.hk

本課程旨在向學生介紹人工智能的概念和機器人技術發展，並通過相關的簡單原型設計與應用，提升他們對新興技術發展的認知。課程內容包括機器人的基礎，由設計到驅動；人工智能編程，其應用和社會問題；以及自動化和系統集成。該課程從而幫助他們進一步修讀相關學科及從事相關行業做好準備。

📅 2年

🇬🇧 粵語

📄 資歷架構級別：3 資歷名冊登記號碼：21/001428/L3  
資歷名冊登記有效期：2022年1月1日 - 2026年12月31日

### Digital Content Production

#### 數碼內容製作

### 證書 (單元：風景及人像的數碼攝影)

課程編號：IT093A

報名代碼：2255-IT093A

☎ 3762 0910

✉ actd.photography@hkuspace.hku.hk

本課程專為數碼攝影初學者而設，講解如何使用數碼攝影工具，包括 Adobe Lightroom 及專業數碼相機進行風景及人像拍攝創作，以掌握數碼攝影技巧。課程着重實踐練習，學員透過風景及人像拍攝，應用學到的數碼攝影知識及技術。本課程由蘇文郁先生 Felix So 教授，共90課時 (30堂)

📄 申請人應該

1. 完成香港中學會考課程；或
2. 完成香港中學文憑；或
3. 年滿 21 歲或以上。

💰 HK\$14,500

📅 8個月

🇬🇧 粵語

📄 資歷架構級別：3 資歷名冊登記號碼：22/000371/L3  
資歷名冊登記有效期：2022年9月1日 - 持續有效

### 證書 (單元：專業數碼攝影要領)

課程編號：IT069A

報名代碼：2260-IT069A

☎ 3762 0910

✉ actd.photography@hkuspace.hku.hk

本課程講解如何使用數碼工具和專業數碼相機進行攝影創作。課程重視實踐練習以培養學員對數碼攝影的興趣，學員透過參與不同的數碼攝影項目，應用他們學到的知識及技術。

本課程由蘇文郁先生 Felix So 教授，共90課時 (30堂)

📅 8個月

📄 資歷架構級別：3 資歷名冊登記號碼：19/000285/L3  
資歷名冊登記有效期：2019年6月4日 - 持續有效

**NCR1** This is an exempted course under the Non-Local Higher and Professional Education (Regulation) Ordinance. 根據《非本地高等及專業教育(規管)條例》，本課程屬獲豁免課程。 It is a matter of discretion for individual employers to recognize any qualification to which this course may lead. 個別僱主可酌情決定是否承認本課程可令學員獲取的任何資格。

**NCR2** These are exempted courses under the Non-Local Higher and Professional Education (Regulation) Ordinance. 根據《非本地高等及專業教育(規管)條例》，這些課程屬獲豁免課程。 It is a matter of discretion for individual employers to recognize any qualification to which these courses may lead. 個別僱主可酌情決定是否承認這些課程可令學員獲取的任何資格。

**NCR3** The course operator is applying for exemption under the Non-local Higher and Professional Education (Regulation) Ordinance. 課程主辦人正根據《非本地高等及專業教育(規管)條例》辦理豁免註冊手續。 It is a matter of discretion for individual employers to recognize any qualification to which this course may lead. 個別僱主可酌情決定是否承認本課程可令學員獲取的任何資格。