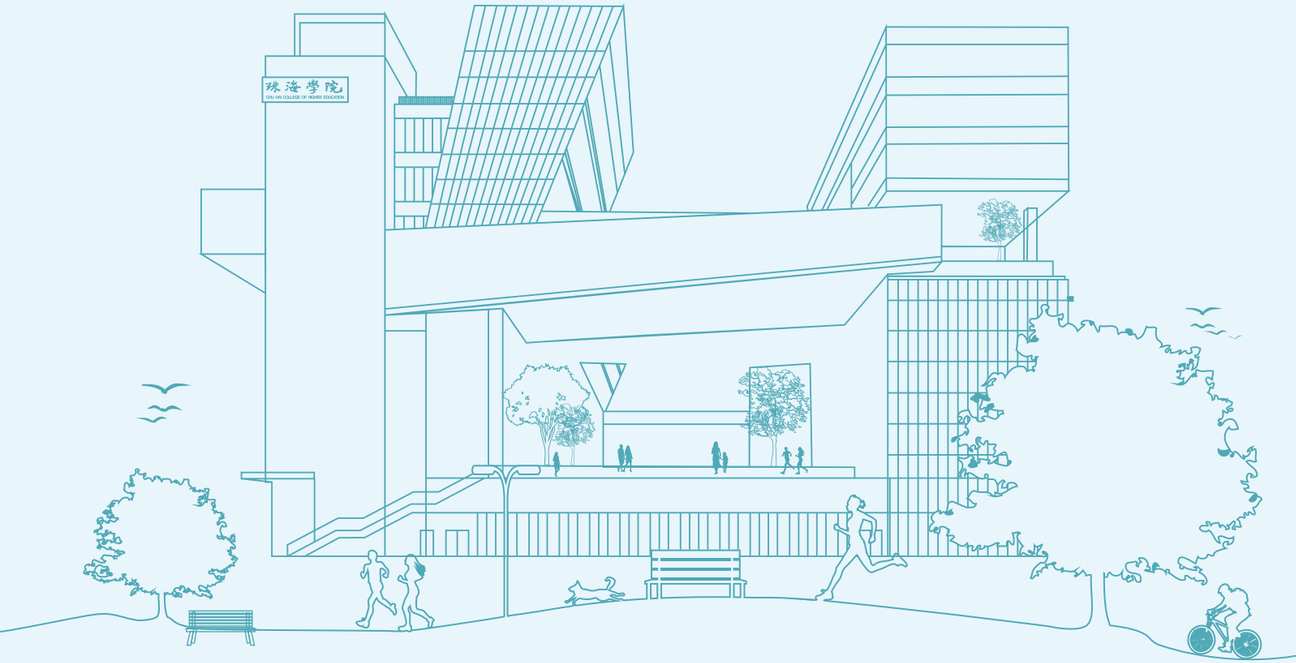
資訊科學系

Department Of Computer Science



資訊科學（榮譽）理學士學位課程

Bachelor of Science (Hons) in Computer Science

課程編號: 503601
PROGRAMME CODE : 503601

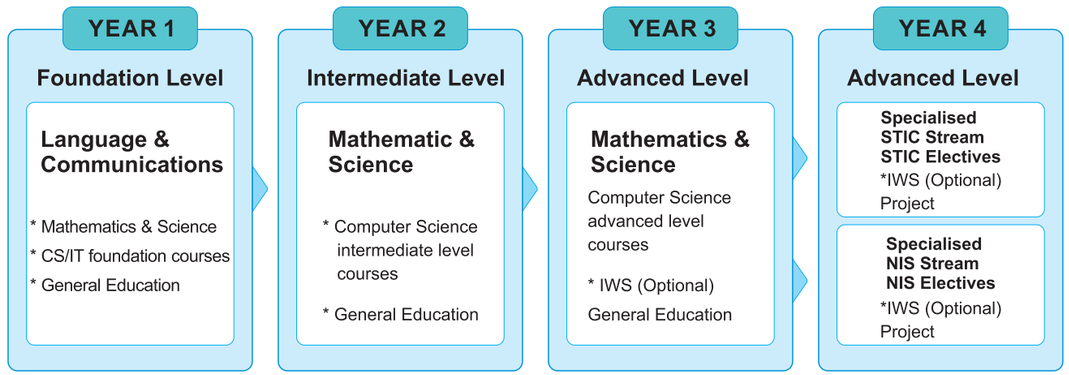
本課程旨在為學生提供專業的資訊科技知識和理論，透過實踐，讓學生無論在商業或工業的領域下，皆能開發精密的電腦系統。與此同時，讓學生與時並進，配合資訊科技發展迅速的步伐，發展其個人專業，兼能具有強烈的社會使命感、全球視野以及獨立的自學能力。除了課程的核心及進階科目，為學生進修博碩士課程及從事研究工作作好準備之外，本系還提供在職實習計劃，使學生在畢業前獲得實際工作經驗，提升競爭力。

This programme provides students with advanced theoretical and practical computer science knowledge and skills, enabling them to develop sophisticated computer systems for the IT environment of the commercial and industrial sectors. Our students will acquire a strong sense of social commitment, global vision and independent self-learning ability. Our students are equipped with the ability to develop their personal and professional prospects, keeping pace with the rapid progress of the technology in computer science. The programme also prepares the students to pursue postgraduate education and research. As we value practical experience as an important form of training, the Department arranges Integrated Work Studies (IWS) for students to gain practical working experience and enhance their competitiveness before graduation.

CHU HAI COLLEGE

理工學院
Faculty of Science and Engineering

	課程結構 Programme Structure（兩項專業分流 Two Streams）		共修學分 Credits
	軟件科技與智能計算 Software Technology & Intelligent Computing (STIC)	**網路與互聯網系統 Networking & Internet Systems (NIS)**	
必修 Common Core	英文、國文、電腦應用知識、通識學科 English, Chinese, Computer Literacy, General Education Courses		24
學系課程必修 Departmental Core	一級程度學科 Level 1 Courses		27
	二級程度學科 Level 2 Courses		39
	三級程度學科 Level 3 Courses		6
專案 Project	資訊系統專案 Final year project（軟件科技與智能計算方面）	資訊系統專案 Final year project（網路與互聯網系統方面）	9
技術選修 Technical Electives	兩科技術選修或在職實習訓練 2 common technical electives OR IWS (Internship)	兩科技術選修或在職實習訓練 2 common technical electives OR IWS (Internship)	6
	四科軟件科技與智能計算分流選修 4 STIC stream electives	四科網路與互聯網系統分流選修 4 NIS stream electives	12
總共 TOTAL			123



* 在職實習訓練屬選修科（6 學分），由三年級暑假開始，至四年級第一學期結束，為期六個月。
* IWS is an optional 6-credit elective, starting from the summer of Year 3 to the first semester of Year 4 (6 months in total).

學習與校園生活 LEARNING AND CAMPUS LIFE

為了讓學生得到全面的教育，並發展他們的社交和人際交往的技巧，本系舉辦多項活動以豐富學生之學習生活，如：

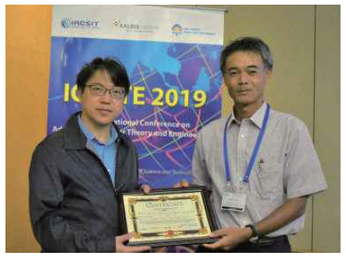
- 專題講座（例如，防止電腦罪案講座、知識產權講座等）
- 參觀資訊科技機構（例如，參觀中國招商局、香港科學園物聯網科技應用中心等）
- 工作坊與社會服務（例如，學生工作坊－SUSE LINUX 技術管理）資訊科學學生系會舉辦多項課餘活動，包括迎新營、聖誕派對以及足球、籃球比賽等。

In order to allow students to have an all-round education and develop their social and interpersonal skills, our department organises various student activities. These include:

- Themed student seminars (e.g. Computer Crime and its Prevention, Intellectual Property in Hong Kong)
- Technical / Company Visits (e.g. The China Merchants Company Limited, IoT (Internet of Things) Centre at the Hong Kong Science & Technology Park)
- Workshops and social service (e.g. one day workshop for CS students – "Training Course on SUSE Certified Linux Administrator (CLA)") The CS Student Society organises various student activities for its members. These activities include Orientation Camp, Inter Department Basketball Competition and Inter Department Soccer Competition.

Cyber Security 2018 (網絡安全運動2018)


Culture and Technology Talk (22 Sep 2022) - Reconstructing Lost Heritage of Tiger Balm Garden 2022 Left: Prof. Wai Lun LO, Dr WONG Yin Cheung, Eugene, Ms. Sally AW ,Prof. Y V HUI ,and Prof. Desmond Hui

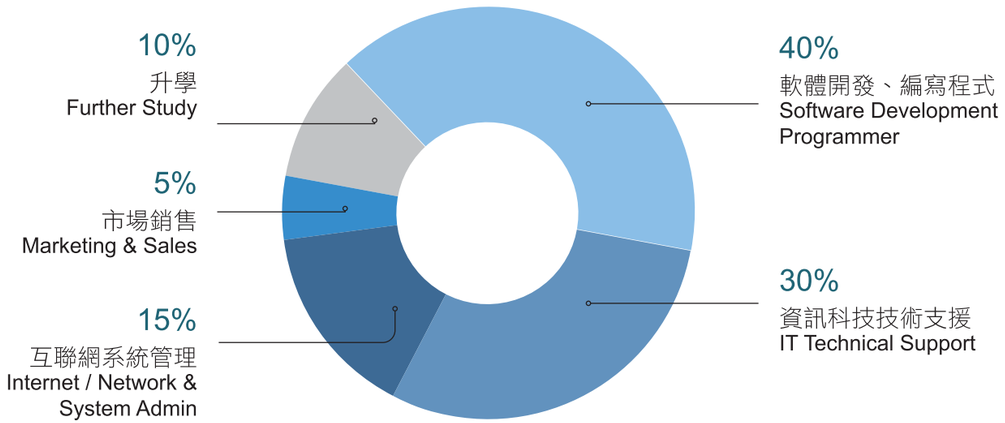

ICACTE 2019 Conference, Best Presentation Award


Production of project promotion video

Inno-tech 2018 Public Lecture

就業與升學出路
Career Prospects and Further Studies

2017-2022
畢業生就業情況Graduates' Employment



可銜接碩士課程
Articulation to Master Degree Programme

根據以往的數據顯示，本課程的畢業生可在以下本地學院升讀碩士課程：

- 香港中文大學
- 香港科技大學
- 香港理工大學
- 香港城市大學
- 香港浸會大學

According to the past statistics, graduates from our programme can further their studies for a Master Degree in the following local institutions:

- Chinese University of Hong Kong
- Hong Kong University of Science and Technology
- Hong Kong Polytechnic University
- City University of Hong Kong
- Hong Kong Baptist University

虛擬實境教學實驗室
Virtual Reality Teaching Laboratory

學院設有虛擬實境教學實驗室，利用虛擬實境技術，摸擬建築物的內外在環境，令用者置身其中。虛擬實驗的研究與發展近年備受關注，亦被廣泛應用，如虛擬產品設計、室內環境設計、工程評估、電腦遊戲開發及電腦動畫模擬等。虛擬實境教學實驗室可提供系統平台，讓學生學習編寫虛擬實境程式。

The College is equipped with a Virtual Reality (VR) Teaching Laboratory. Utilizing VR technology, the Laboratory enables users to explore the outdoor and interior of a building from a simulated virtual representation. The research on VR and its development, while gaining significant attention in recent years, have been widely applied in different areas, for example, VR product design, interior design, engineering assessment, game development, simulation of computer animation etc. The VR Teaching Laboratory offers a computing platform for students to learn to write VR programmes.

學術研究
Research

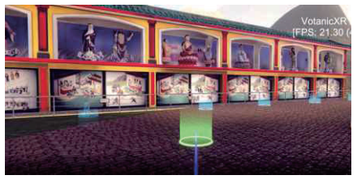
From 2014-2022, the Department of Computer Science has got funded projects by the University Grant Committee and QESS.

UGC/FDS13/E04/18	01/QESS/2021	UGC/IIDS14/B01/21
Intelligent assessment of Attention Deficit Hyperactivity Disorder (ADHD) based on gazeposture-movement tracking fusion: principle, algorithm and system	Building Envelope Environmental Performance Optimization Teaching Platform (BEEP)	Extended Reality on Smart Transport and Logistics: Embracing Innovative Theories and Technologies for Enhancing Operational Resilience and Efficiency

UGC/FDS13/E02/18	UGC/FDS13/E01/21	T02/QESS/2020
Meteorological Visibility Estimation by using Particle Swarm Optimization and Neural Network (Prof. LO Wai Lun, HK$ 580,275)	Photovoltaic Panel Model Parameters Estimation and Monitoring by Using Artificial Neural Network (Prof. LO Wai Lun, HK$ 914,925)	Development of real-time cooperative VR multi-CAVE systems for collaborative and team learning

UGC/FDS13/E01/20	UGC/FDS13/E01/22	RGC 17126021
Truthful Mechanism Design for Facility Location Game with Agents' Migration Scheme (Prof. LO Wai Lun, HK$1,012,003)	Automatic multiple level gum disease detection based on deep neural network: algorithm and system (Dr. HSUNG Tai- Chiu, $1,181,781)	Artificial Intelligence-Design of Maxillary Single-tooth Dental Prostheses

RGC 17107321
Artificial intelligence-assisted orthodontic-orthognathic surgery planning to improve facial esthetics



校友感言

Message from Alumni

LAW Tsz Kwan 羅子筠

2016 畢業生
Graduate of 2016

有賴在珠海學院打好底子，才能在畢業後一邊全職工作，一邊兼讀香港中文大學碩士課程。資科系的課程內容全面，導師熱心教學，在學期間獲益良多。與一眾志同道合的同學一起努力，校園生活十分愉快。

Chu Hai College provided me with a good foundation of knowledge, so that I can attend a Master's degree programme at the Chinese University of Hong Kong while working full time. The CS programme is comprehensive and the teachers are very enthusiastic. I have benefited a lot from my studies. I am happy to work together with my like-minded schoolmates, I enjoy my campus life so much!

TANG Yat Chung Human 鄧日聰

2019 畢業生
Graduate of 2019

在珠海學院的校園生活很充實，有很多實踐知識的機會，有幸能代表學校參加程式設計比賽。畢業後馬上有公司聘請，感謝教授們的教導。

Campus life at Chu Hai College is very fulfilling, and provides us with a lot of opportunities to practice. I was honoured to participate in the programming competition as a school representative. I got a job once graduated, I would like to say thank you to my teachers for teaching me a lot.

Tung Man Pan 董文斌

2018 畢業生
Graduate of 2018

小時候總天真地以為自己每天在用手機就代表對科技十分了解，然而在修讀資訊科學系課程後才真真正正地認識和了解電子世界。畢業後， 藉著在課程所掌握的知識和思維技巧，如願進入資訊科技行業。現擔任開發人員，致力於開發V R項目。

When I was young, I always thought that using my mobile phone every day meant I knew a lot about technology. After studying Computer Science, I realized that what I knew before was just the superficial knowledge. With the knowledge and thinking skill acquired in the degree course, I am equipped to step into the information technology industry. And I am now a developer working on VR projects.