

PROFESSIONAL EDUCATION FOR A GLOBAL WORKFORCE

致力專業教育 服務全球

Our education initiatives form the bedrock from which the University grows. We continue to attract top-class students to our world-class programmes, reaching out to the youth and offering the kinds of learning opportunities that will lead to exciting jobs in a range of professions.

我們推行的教育政策和措施，為大學發展奠下堅實基石。城大開設的世界級課程持續吸引頂尖學生入讀，並為莘莘學子提供各類學習機會，協助他們將來投身不同界別，開創事業。

Professional Education

專業教育

The search for Tiger talents

The aim of the unique HK Tech Tiger programme launched in May 2021 is to supply highly motivated students determined to play leadership roles in tomorrow's rapidly changing hi-tech world with opportunities for advanced learning. The programme allows brilliant students to benefit from the University's highly interdisciplinary, technology-enriched courses that will ensure their success in attaining their career goals and aspirations for further studies.

Successful candidates for the HK Tech Tiger programme may compete for the President's Scholarship at HK\$300,000 per annum and two Hong Kong Tech Scholarships at HK\$200,000 per annum. Both awards are tenable for four years. HK Tech Tiger contains several other unique features. Students joining the programme may study for a double-degree in two completely different but complementary disciplines over five years. An even more intensive learning experience is possible through our bachelor's and master's combination degree option in which students can choose to study for a master's degree at CityU or at an overseas university.

In addition, the overseas study option is another feature that will ensure those accepted onto the programme will receive a university experience that soars beyond expectations. Our joint bachelor's degree programmes are collaborations with highly rated institutions such as Columbia University, University of Edinburgh and University of Manchester. The students will be awarded two bachelor's degrees, one from CityU and the other from the partner university.

招募「老虎班」優才學生

城大於2021年5月推出獨一無二的「HK Tech老虎班」，旨在為積極學習、有志在未來瞬息萬變的高科技社會中成為領袖的學生，提供高階課程。才華洋溢的學生在特別設計、以科技為主的跨學科課程薰陶下，將可成功實現事業目標和繼續深造的抱負。

獲「HK Tech老虎班」取錄的學生，可申請大學設立的兩項特別獎學金：校長獎學金每年名額一個，金額為每年30萬港元；香港科技獎學金則有兩個名額，金額為每年各20萬港元。兩項獎學金同樣為期四年。「HK Tech老虎班」另有多項特色，學生可修讀雙學位課程，在五年內攻讀兩個截然不同、但相輔相成的學科領域。本計劃亦提供「學士及碩士學位」雙學位課程，使學生得到更深入和全面的學習體驗，學生可選擇在城大或海外大學修讀碩士學位。

為了讓獲得取錄的學生得到超乎預期的大學學習體驗，這項計劃設有海外學習選項。學生可選擇修讀城大與世界著名學府合辦的雙聯學士學位課程，海外合作院校包括哥倫比亞大學、愛丁堡大學及曼徹斯特大學。完成課程後，學生將分別獲得由城大及合辦課程大學頒發的兩個學士學位。



“Industry Ready Programme” is launched by CityU after signing of MoU with seven collaborative industry partners. Mr Wong Kam-sing, Secretary for the Environment, HKSAR Government (centre, upper row in TV wall) witnesses the ceremony online.

城大與七家行業合作夥伴簽署備忘錄，開展「能源環境工程師就業培訓計劃」。香港特區政府環境局局長黃錦星先生(電視幕牆上排中)在網上見證儀式。

Tailor-made new programmes

New undergraduate programmes offered by the College of Science are designed on the basis of future trends in social development and market demands. The objectives of the new programmes are to further enhance the employment competitiveness of our graduates.

The new programmes include a Bachelor of Science degree with an option in Global Research Enrichment and Technopreneurship (GREAT), and a law-math double degree programme, and also the bachelor's degree programmes in partnership with the University of Edinburgh and the University of Manchester.

The double degree programme for the Bachelor of Laws and Bachelor of Science in Computing Mathematics is the first of its kind offered by a local university. The GREAT programme responds to the market's demand for professionals excelling in research and innovative technology.

In addition, a unique programme for nurturing talent for the energy, environmental and sustainability industries was launched in January 2021 after the signing of memorandums of understanding with renowned industry partners in Hong Kong. Established by the School of Energy and Environment (SEE), the “Industry Ready Programme” received overwhelming support for providing SEE undergraduates with out-of-classroom, work-related training in order to broaden their job knowledge and skills in energy, environmental and sustainability fields.

切合社會需要的新課程

理學院開辦了新的學士課程，以配合未來社會發展及市場需求新趨勢，並加強畢業生的就業競爭力。

新課程為：環球精研與科創課程、法律學學士與理學士(計算數學)雙學位課程，以及與英國愛丁堡大學及曼徹斯特大學合辦的雙聯學士學位課程。

法律學學士與理學士(計算數學)雙學位課程為全港首創，而環球精研與科創課程則是為了配合市場需求，培養精於研究及創新科技的專才。

此外，城大與香港多家能源環境業的知名合作夥伴簽署備忘錄，於2021年1月推出獨特的「能源環境工程師就業培訓計劃」，為能源、環境和可持續發展行業培育專才。計劃獲業界大力支持，將為能源及環境學院的本科生提供各類與工作相關的課外培訓，以拓展他們在能源、環境和可持續發展等相關領域的工作知識和技能。

Learning through lectures and forum

Our various distinguished lectures series bring some of the best minds in academic research to CityU to share their research, offering our students insights and wisdom into many of today's most pressing issues. CityU's President Way Kuo delivered a talk in October 2020 titled "Data-Driven Global Pandemic Management" as part of the HKIAS (Hong Kong Institute for Advanced Study) Distinguished Lecture Series in which he outlined the urgent need for the creation of a Command, Control, Communication and Information (C³I) surveillance-response system for pandemic outbreaks. In addition, he argued that powerful data analytics were required to understand how the various elements involved in a crisis such as a pandemic interact.

In March 2021, 38 world-leading scholars, industry leaders and policymakers from around the world debated recent advances in low-carbon energy technology and nuclear safety in a specially convened online forum on clean energy and nuclear safety. This event was co-hosted with National Tsing Hua University, Seoul National University, and Tokyo Institute of Technology. Titled "Clean Energy and Nuclear Safety—10 Years after Fukushima", the forum offered two streams, namely clean energy and nuclear safety, and approximately 2,500 participants from over 20 countries and territories participated.



講座論壇探究新知

我們在年內舉辦了多個講座及論壇，邀請頂尖學者分享研究心得和睿智見解，使城大學生能夠在現今多個迫切議題上得到啟發。城大校長郭位教授於2020年10月為「香港高等研究院傑出講座系列」主持講座，題為「數據驅動的全球疫情管理」。他建議成立一個兼備指揮、控制、通訊及提供資訊 (Command, Control, Communication and Information, C³I) 功能的中心，以監控及應對疫症大流行。此外，他認為須進行大規模的數據分析，以了解像這次疫症大流行的危機所涉及的多個因素如何互相影響。

2021年3月，來自世界各地的38位領先學者、企業領袖及政策制訂者出席網上論壇，討論低碳能源技術和核能安全的最新發展。論壇由城大、國立清華大學、首爾國立大學及東京工業大學聯合主辦。論壇題為「潔淨能源與核能安全——福島事故十周年」，以潔淨能源及核能安全為雙主軸，吸引近2,500名來自20多個國家及地區的人士參與。

Top row (from left): Professor Alex Jen of CityU, President Way Kuo of CityU, Dean Min Lee of National Tsing Hua University. Middle row (from left): President Chung Ming Kuan of National Taiwan University, Dr Bruce Cheng of Delta Electronics, Chancellor Lih-Jun Chen of University System of Taiwan. Bottom row (from left): President Ferruccio Resta of Politecnico di Milano; Dr Lin-wen Hu of MIT; Professor George E. Apostolakis, Head of Nuclear Risk Research Centre, Japan and Professor Emeritus of MIT.

(上左起) 城大任廣禹教授、城大校長郭位教授、國立清華大學李敏教授；(中左起) 國立臺灣大學校長管中閔教授、台達電子創始人鄭崇華博士、台灣聯合大學系統校長陳力俊教授；(下左起) 米蘭理工大學校長Ferruccio Resta教授、麻省理工學院胡玲文博士、日本核能風險研究中心主任暨麻省理工學院名譽退休教授George E. Apostolakis教授。

Covid-19 vaccinations were the topic of a timely talk. Hong Kong should not squander a unique opportunity to protect itself and others from Covid-19, according to Professor Nikolaus Osterrieder, Dean of the Jockey Club College of Veterinary Medicine and Life Sciences and one of the world's foremost molecular virologists. His online talk titled "Covid-19 Vaccination—A One Health No-Brainer" in June 2021 emphasised that the Covid-19 vaccinations were safe and efficacious, and the only way to responsibly reach herd immunity.

President's Lecture Series: Excellence in Academia

This well-established series enables our world-class academics to share their latest research with the CityU community and our friends and stakeholders.

In his October 2020 talk, Professor Pan Chin, Head of the Department of Mechanical Engineering and CLP Power Chair Professor of Nuclear Engineering, said that, contrary to expectation, bubbles are not empty and are in fact a rich source of interesting scientific phenomena. He argued that understanding more fully how bubbles are created when waves break at sea and trap carbon dioxide could have significant implications for analysing climate change.

「接種新冠病毒疫苗」無疑是當下最切合時勢的講題。賽馬會動物醫學及生命科學院院長、國際知名分子病毒學家Nikolaus Osterrieder教授於2021年6月發表演講，建議香港市民應把握時機接種新冠病毒疫苗，以保護自己及他人。他在題為「新冠疫苗接種——健康一體化的不二之選」的網上專題演講中，強調新冠病毒疫苗安全有效，注射疫苗是建立群體免疫的唯一方法。

校長講座系列：學術薈萃

校長講座系列舉辦多年，邀請校內的世界級學者，向城大師生、好友及持份者，講述他們的最新研究。

機械工程學系系主任兼中華電力講座教授(核子工程)潘欽教授於2020年10月主持講座，指出氣泡並非如我們所想的空無一物，其中有許多值得留意的科學現象。他舉例說，倘若我們充分了解海浪翻滾時如何形成藏有二氧化碳的氣泡，將為研究氣候變化帶來重大影響。



Professor Nikolaus Osterrieder
Nikolaus Osterrieder教授



Professor Pan Chin
潘欽教授

Professional Education 專業教育

Professor Sir Colin Blakemore, Senior Fellow in HKIAS and Yeung Kin Man Professor of Neuroscience in the Department of Neuroscience, demonstrated in his talk in November 2020 that what we see is not necessarily what we see. Using a variety of videos, visual tricks and optical illusions, he analysed how optical illusions compete for our attention and raise issues about reality and illusion.

Data science tools help us to see more clearly the dimensions of a vast array of fields, from unemployment figures, university rankings, power supplies in urban settings and manufacturing output, to name but a few, according to Professor Joe Qin Sizhao, Dean and Chair Professor of the School of Data Science, in his address in March 2021.

According to Professor Raymond Chan Hon-fu, Vice-President (Student Affairs) and Chair Professor in the Department of Mathematics, sparsity is a way to exploit the low-dimensional structure of solutions to obtain feasible solutions for high-dimensional problems. He was speaking in April 2021 about “regularisation methods that enforce sparsity in solutions and their application to several image reconstruction problems”.

CityU-Learning keeps teaching open

In 2020/21, our innovative online learning platform rolled out in record time in response to the Covid-19 epidemic meant that staff and students from nearly 120 countries and regions were able to attend real-time classes in accordance with the original class. During the period, over 49,000 classes were conducted, with around 2.7 million visits from around the world.

Rewarding our best teachers

In May 2021, Professor Alexander Loke of the School of Law and Dr Tan Chee-wei, Associate Professor in the Department of Computer Science, won the Teaching Excellence Award for 2020/21 for their commitment to student-centred approaches to acquiring knowledge. The former tries to cultivate a passion for deep learning among his students and the latter advocates that university teaching is not about simply covering the curriculum but rather about how students can uncover, guide and shape his teaching pedagogy.

香港高等研究院資深院士、神經科學系楊建文講座教授(神經科學) Colin Blakemore 爵士教授在2020年11月的講座中指出，我們眼之所見，未必為實。他運用多種影片、視覺特效與視錯覺的例子，說明視錯覺圖像如何爭奪我們的注意力，帶出有關現實與幻覺的問題。

2021年3月，數據科學學院院長兼講座教授秦泗釗教授於主持講座時指出，數據科學工具可幫助我們更清楚了解眾多領域的不同維度，從失業數據、大學排名、城市電力供應到製造業生產等。

副校長(學生事務)兼數學系講座教授陳漢夫教授於2021年4月的講座中指出，稀疏性是運用低維結構解決方案為高維問題尋求可行解決辦法的途徑。他在演講中介紹了「加強解決方案稀疏性的規律化方法，及其對解決幾個圖像重建問題的應用」。

網上教學平台維持實時授課

在2020/21學年，我們以創紀錄的時間推出創新的網上教學平台CityU-Learning，迅速應對新冠病毒疫情，讓全球接近120個國家和地區的師生，可按原訂時間出席實時課堂。本學年共舉行逾4.9萬節課堂，全球參與人次近270萬。

傑出教學獎

法律學院Alexander Loke教授及電腦科學系副教授陳志為博士於2021年5月獲頒2020/21學年傑出教學獎。兩位得獎教師均致力採取以學生為中心的方式，引導學生求知。Loke教授培養學生對深入學習的興趣，而陳博士則認為大學教學之道並不是純粹傳授課程大綱所列的內容，而在於學生如何發掘、引導及塑造他的教學法。



Professor Sir Colin Blakemore
Colin Blakemore 爵士教授



Dr Tan Chee-wei (left) and Professor Alexander Loke
陳志為博士(左)和Alexander Loke教授



CityU teaching farm (illustration)
城大教學農場(設計圖)

Teaching down at the farm

A ground-breaking ceremony was held in November 2020 for our veterinary teaching farm in Lam Tsuen, Tai Po. Aiming to be the most advanced of its kind in the region, the farm is fully compliant with HKSAR Government's rigorous health, hygiene, environmental and animal welfare regulations, and a landmark achievement in promoting One Health and veterinary medicine in Hong Kong. Students on the Bachelor of Veterinary Medicine programme will use the farm to learn about the practicalities of animal husbandry and farm management as well as the clinical aspects of taking care of dairy cows. The farm will be equipped with international standard facilities enabling teaching staff and students to have relevant teaching and learning activities. In addition, high-quality CityU milk and ice cream can be expected at a later date.

Meanwhile, a ceremony in March 2021 marked the commencement of the superstructure work for the Jockey Club One Health Tower. Equipped with first-class facilities, the Tower signifies a new milestone in our unique mission to promote multidisciplinary collaboration that can enhance the health of humans, animals and the environment under the One Health paradigm. Upon completion, the Tower will provide first-class teaching and research facilities for the Jockey Club College of Veterinary Medicine and Life Sciences and other units at CityU.

動物醫學教學農場

城大位於大埔林村的動物醫學教學農場於2020年11月舉行動土儀式，奠立推動香港健康一體化及動物醫學發展的里程碑。我們矢志把教學農場發展為亞洲區最先進的同類農場，將完全符合香港特區政府嚴格的健康、衛生、環境及動物福利規定。城大獸醫學士課程的學生將在此學習畜牧及農場管理的實際技巧，以及照顧乳牛的方法。教學農場備有符合國際標準的設施，落成後可供師生在本港進行相關的教學活動。此外，預計教學農場可於不久之後供應高品質的城大牛奶和雪糕。

賽馬會健康一體化大樓則於2021年3月舉行主體工程動工典禮。這幢配備一流設施的大樓，將在「健康一體化」的概念下，肩負促進人類、動物和環境健康的獨特使命，標誌大學發展邁進新里程。大樓落成後，將為賽馬會動物醫學及生命科學院和其他部門提供一流的教研設施。

Student Numbers 2020/21 2020/21 學生人數

	Research Postgraduate 研究學位課程	Professional Doctorate 專業博士課程	Taught Postgraduate 修課式研究生課程	Undergraduate 學士學位課程	Associate Degree 副學士學位課程	Total 總數
College of Business 商學院	263	169	1,427	4,027	—	5,886
College of Engineering 工學院	1,123	15	668	3,187	342	5,335
College of Liberal Arts and Social Sciences 人文社會科學院	276	—	1,532	2,808	—	4,616
College of Science 理學院	287	—	101	607	—	995
Jockey Club College of Veterinary Medicine and Life Sciences 賽馬會動物醫學及生命科學院	233	—	26	442	—	701
School of Creative Media 創意媒體學院	71	—	150	670	—	891
School of Data Science 數據科學學院	74	—	109	197	—	380
School of Energy and Environment 能源及環境學院	110	—	75	269	—	454
School of Law 法律學院	27	56	700	227	—	1,010
Total 總數	2,464	240	4,788	12,434	342	20,268

Note:

The student numbers (including the new intakes) are counted as at the census dates defined by the University Grants Committee.

註：

學生人數(包括新生)以大學教育資助委員會收集統計數據的日期為準。

Academic Awards Conferred in 2020 2020年大學頒授學銜

	Total 總數
Doctor of Philosophy 哲學博士	339
Doctor of Business Administration 工商管理學博士／工商管理博士	27
Doctor of Juridical Science 法學博士	13
Engineering Doctorate 工程學博士	1
Master of Philosophy 哲學碩士	5
Master's Degree 碩士	3,948
Postgraduate Diploma 深造文憑	2
Postgraduate Certificate 深造證書	219
Bachelor's Degree 學士	3,626
Associate Degree 副學士	204
Total 總數	8,384

Distribution of Employed Full-time 2020 Graduates by Employment Sector

按行業劃分2020年度全日制畢業生的就業人數

Employment Sector 行業	Undergraduate (UG) 學士畢業生(UG)		Associate Degree (AD) 副學士畢業生(AD)	
	Number 人數	(%) 百分比	Number 人數	(%) 百分比
Government 政府	64	3.1%	6	14.3%
Education 教育	214	10.4%	5	11.9%
Community, Social and Personal Services 社區、社會和個人服務	240	11.7%	1	2.4%
Commerce and Business 商業	967	47.2%	9	21.4%
Engineering, Building and Construction 工程及建築業	344	16.8%	17	40.5%
Industry and Manufacturing 工業及製造業	68	3.3%	3	7.1%
Others 其他	154	7.5%	1	2.4%
Total 總數	2,051	100%	42	100%

Notes:

- Valid responses: 86.6% (3,090/3,569) of the total number of UG graduates in 2020 and 94.6% (193/204) of the total number of AD graduates in 2020.
- The figures include only 2020 full-time graduates of UGC-funded degrees and associate degrees.

註：

- 發出的問卷分別為3,569(UG)及204(AD)份，收回的有效問卷為3,090(UG)及193(AD)份，佔2020年畢業生總數的86.6%(UG)及94.6%(AD)。
- 數字只涵蓋2020年度政府資助的全日制學士及副學士畢業生。