

CHAPTER 8

# 校园建设

THE  
CAMPUS



# 校园建设

## The Campus

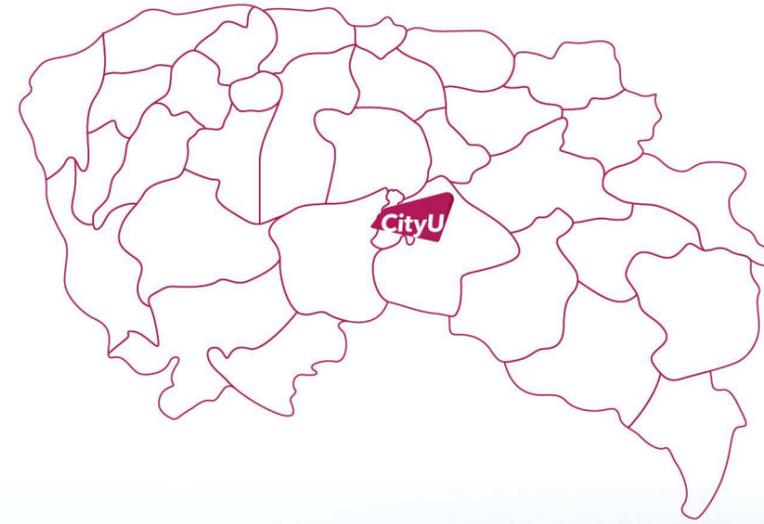
### 区位优势 Strategic Location

港城大（东莞）地处粤港澳大湾区几何中心，位于国家科学中心先行启动区，拥有得天独厚的创新生态与区位优势。

校园周边汇聚了大科学装置、国家级实验室及科技龙头企业等高端资源，形成了显著的集群效应。学校将积极对接大湾区科研平台与产业资源，致力于为区域发展提供坚实的科创支撑与人才保障。

CityUHK (DG) is strategically located at the center of the Greater Bay Area, within the pilot zone of the National Science Center, offering exceptional innovation ecosystems and locational advantages.

The campus is surrounded by large-scale scientific facilities, national-level laboratories, and leading technology enterprises, creating a strong cluster effect. The University actively connects with research platforms and industrial resources across the Greater Bay Area, providing solid support for regional scientific and technological innovation as well as a pipeline of high-quality talent.



香港城市大學（東莞）  
City University of Hong Kong  
(Dongguan)

### 设计理念 Design concept

港城大（东莞）校园设计延续港城大的建筑格局，以现代风格融合智慧生态理念，整体以“雁阵”意象为核，象征学术共同体协同进取、振翅向上的精神。校园采用“垂直整合、水平连通”的空间策略，在保持各学科单元独立性的同时，促进跨学科交流与资源共享。建筑布局与松山湖自然山体天际线相呼应，通过庭院、回廊与开放空间的递进展开，营造出山水共生的立体园林意境。整体设计实现了理念传承与空间创新的统一，塑造出兼具国际视野与地域特色的现代化校园形象。

CityUHK (DG)'s campus design continues the architectural style of CityUHK, blending a contemporary aesthetic with a smart ecological concept. The masterplan draws inspiration from the formation of flying geese, an emblem of an academic community moving forward together and striving upward with a shared goal. The campus features a spatial design of vertical integration and horizontal connectivity, maintaining the independence of teaching buildings for each discipline while allowing interdisciplinary interaction and resource exchange. The layout aligns with the natural ridgelines surrounding Songshan Lake, and unfolds through a sequence of courtyards, corridors, and open spaces, creating a multi-layered landscape with natural mountains and waters. The result is a thoughtful fusion of inherited vision and spatial innovation, shaping a modern campus that combines global perspective with distinct local flavor.

香港城市大学（东莞）

松山湖材料实验室

先进阿秒激光

中国散裂中子源

南方光源  
研究测试平台

南方先进光源



## 校园用地 Campus Land

### 校园一期

学校一期校园用地面积约 180 亩，总建筑面积约 14.5 万平方米，总投资约 13.7 亿元。2024/25 学年，学校统筹推进一期校园多项功能空间的优化改造，涵盖教室、实验室、健身房、资料室等重点区域，并顺利完成图书馆移交验收。这些举措都显著提升了教学科研与师生活动空间的整体品质，为学校高质量办学提供了坚实的设施保障。

### Phase 1 Campus

The Phase 1 campus covers approximately 12 hectares, with a total construction area of about 145,000 square meters and a total investment of approximately RMB 1.37 billion. In the 2024/25 academic year, the University advanced functional upgrades and renovations across the Phase 1 campus, including areas such as classrooms, laboratories, the gymnasium, and study rooms, and completed the commissioning of the library. These initiatives significantly upgraded the quality of facilities supporting teaching, research, and campus life, providing a strong foundation for the University's high-quality development.



### 校园二期

校园二期规划占地面积约 342 亩，总建筑面积约 15.5 万平方米，总投资约 21 亿元。项目涵盖教学楼、实验室、国际学术交流中心、餐厅、体育馆、学生宿舍及留学生公寓等功能设施。2025 年 4 月，在东莞市政府与学校的共同推动下，二期工程已优先启动场地平整及边坡整治工作，为主体工程建设奠定基础，力争早日建成并投入使用。



### Phase 2 Campus

The Phase 2 campus covers about 22.8 hectares with a total floor area of 155,000 square meters and an overall investment of RMB 2.1 billion. It will house teaching blocks, laboratories, an international academic exchange center, canteens, a sports complex, student dormitories, and accommodation for international students. In April, 2025, with strong support from both the Dongguan Municipal Government and the University, site leveling and slope stabilization work began as the first step of construction. With an investment of approximately RMB 87 million, this early-stage project laid essential groundwork for the main construction and supports the goal of bringing the Phase 2 campus into operation as early as possible.





生均占地  
Land area per student **84.95** m<sup>2</sup>

\*教育部标准: 54平方米 \*Ministry of Education standard: 54 m<sup>2</sup>

生均宿舍  
Dormitory space per student **26.55** m<sup>2</sup>

\*教育部标准: 6.5平方米 \*Ministry of Education standard: 6.5 m<sup>2</sup>

生均教学行政用房  
Teaching & administrative space per student **44.27** m<sup>2</sup>

\*教育部标准: 14平方米 \*Ministry of Education standard: 14 m<sup>2</sup>

\*以上数据按照2025年度学生数量和建筑面积统计  
\*The above data are calculated based on 2025 student numbers and gross floor area.

## 绿色校园 Green Campus

### 注重可持续发展理念

港城大（东莞）充分结合自然条件与市政资源，通过节能、节水、节地、节材实现资源高效利用，并合理开发地下与架空空间，着力打造数字化、生态型、经济适用的绿色校园。

### 实施节能降耗措施

港城大（东莞）严格执行《关于发展节能省地型住宅和公共建筑的指导意见》及《公共建筑节能设计标准》，全面采用高效节能照明产品，积极引入节能新工艺与新技术，并广泛使用新型节能建筑材料，系统推进节能降耗。

### 推动低碳可持续发展

学校全面建设太阳能照明系统，积极探索新材料与节能材料在基建中的应用。校园内设置智能垃圾分类站，实现食堂厨余垃圾100%资源化处理；同步配套充电桩，构建绿色出行体系。着力建设资源节约型、环境友好型的低碳大学。

### Promoting low-carbon and sustainable development

CityUHK (DG) promotes low-carbon sustainable development through initiatives such as installing solar-powered lighting and exploring the use of new and energy-efficient materials in infrastructure. Smart waste-sorting stations have been introduced, and 100% of food waste from canteens is converted into reusable resources. A green mobility system has been established, supported by the installation of charging facilities. Efforts have been made to foster a resource-conserving environmentally friendly university.

### Upholding low-carbon principles

CityUHK (DG) upholds low-carbon principles and is committed to building a sustainable campus. By fully integrating natural conditions and municipal infrastructure, the University maximizes resource efficiency through energy, water, land, and material conservation. Underground and elevated spaces are strategically utilized to create a digital, eco-friendly, and economically efficient green campus.

### Enforcing a comprehensive set of energy-saving and consumption-reduction measures

CityUHK (DG) enforces a comprehensive set of energy-saving and consumption-reduction measures. Architectural design strictly follows the Guidelines for Developing Energy-Efficient and Land-Efficient Residential and Public Buildings and the Design Standard for Energy Efficiency of Public Buildings. High-efficiency lighting products, innovative energy-saving technologies, and advanced building materials are extensively adopted to minimize energy use.



## 图书馆 Library

建筑规模 | 总建筑面积 **15292.47** m<sup>2</sup>  
Building Size | Total construction area of 15,292.47 square meters

功能布局 | 普通阅览区、沉浸学习区、协作学习区、创想区、电脑区等多元空间  
Functional Layout | Includes spaces such as a general reading area, immersive learning zone, collaborative learning zone, creative zone, and computer area

座位容量 | 共设 **1200** 个读者座位  
Seating Capacity | A total of 1,200 reader seats

藏书规模 | 密集与开放书架共可容纳约 **25万** 册纸质图书  
Collection Capacity | Compact and open stacks together hold approximately 250,000 print books

远期目标 | 规划馆藏总量达 **160万** 册（含电子书）  
Long-term Goal | Planned total collection of 1.6 million volumes (including e-books)

现有馆藏 | 馆藏纸质图书 **74046** 册，电子图书 **405168** 册  
Current Collection | 74,046 print books and 405,168 e-books

资源更新 | 年度新增图书数量 **40784** 册  
Resource Updates | 40,784 new books added annually

运营保障 | 配备全天候服务热线与一体化运营保障  
Operational Support | Equipped with a 24/7 service hotline and integrated operational support system



## 信息化建设 Digitalization

### 网络基础架构

#### 互联网带宽

已建成多运营商融合的高可靠网络出口，集成电信、移动及教育专网等多路共6G互联网带宽链路。

### Network Infrastructure

#### Internet Bandwidth

A highly reliable multi-operator integrated network gateway has been established, incorporating China Telecom, China Mobile, and the dedicated education network, with a total external bandwidth of 6G.

#### 无缝网络接入

师生通过统一APP安全便捷访问各业务系统与VPN。

#### Seamless Network Access

Faculty and students can securely and conveniently access all service systems and the VPN through a unified mobile application.

#### 跨市5G智联

依托华南理工大学节点，实现跨市UPF协同，共享5G智能专网服务。

#### Cross-City 5G Intelligent Connectivity

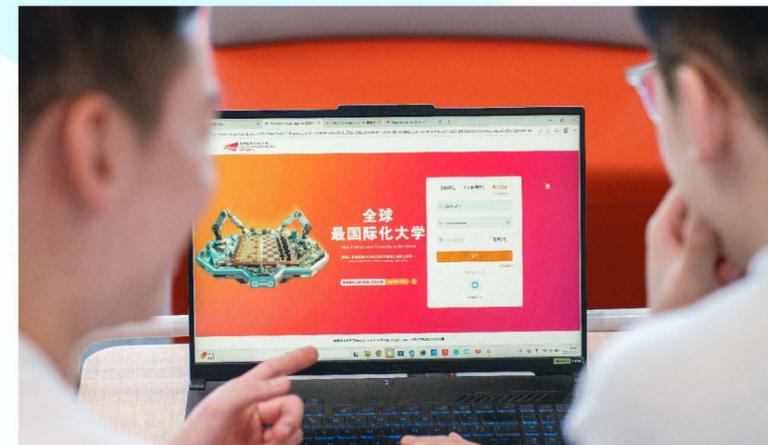
Leveraging the South China University of Technology node, the University enables cross-city UPF collaboration and shares intelligent 5G private network services.

#### 校园网络覆盖

全校部署网络接入点超4800个，实现无线网络全校无缝覆盖，支持超1700名用户、3000台终端并发在线。

#### Campus Network Coverage

More than 4,800 access points have been deployed across the campus, achieving full wireless coverage and supporting concurrent connections for over 1,700 users and 3,000 devices.



### 硬件设施保障

#### 安防设备

视频监控设备1712个，门禁设备1000+台。

### Facilities

#### Security Systems

1,712 video surveillance units and over 1,000 access control devices.

#### 教学设施

升级多媒体教室33间，配置终端设备942台；建成智慧教室36间及英语四、六级标准考场。

#### Teaching Facilities

33 upgraded multimedia classrooms with 942 terminal devices; 36 smart classrooms and standard test centers for CET-4 and CET-6 English exams.

#### 数据中心

标准机柜31个（含高密柜4个），服务器56台（CPU45 / GPU 11）。

#### Data Center

31 standard racks (including 4 high-density racks), 56 servers (45 CPU / 11 GPU).

#### 算力资源

通算 2000 核 / 22TB 内存 / 800TB 存储 / 近400 台虚拟机；智算 14 PFLOPS (NVIDIA GPU 50 张) + 6 PFLOPS (昇腾 NPU 16 张)。

#### Computing Resources

Total: 2,000 CPU cores / 22 TB memory / 800 TB storage / nearly 400 virtual machines; High-performance computing: 14 PFLOPS (50 NVIDIA GPUs) + 6 PFLOPS (16 Ascend NPUs).



\*流量监控中心 \*Traffic Monitoring Center



\*算力中心 \*Computing power center

### 软件系统建设

#### 核心系统建设

教务、资产、协议、财务、能源计量等核心系统建设完成。

#### 关键系统升级

一卡通、学工、人力、GPT系统一期建设并完成二期升级建设。

#### 公共支撑系统

统一身份认证、应用开放平台、数据开放平台全部上线运行。

### 智慧校园生活

#### 智能物联平台

整合水电、安防、设备及业务数据，推进预测性维护、多维决策分析与可视化应用。（\*预计在2027-2028年完成平台建设）

#### 物流配送优化

驿站+智能快递柜模式便民服务。

#### 数字孪生管理

构建校园动态模型，实现空间利用率分析与智能调度。（\*预计在2027-2028年完成平台建设）

#### 校园超级APP

集成外卖、快递、洗衣、二手交易等多元化生活服务。

### Software Systems

#### Core Systems Deployment

Completed the development of core systems for academic affairs, asset management, contract management, finance, and energy metering.

#### Key System Upgrades

Finished development and upgrades of the campus card system, student affairs system, HR system, and GPT-based system.

#### Public Support Platforms

Launched unified identity authentication, the application open platform, and the data open platform.

### Smart Campus Services

#### Intelligent IoT Platform

Integrates data from utilities, security, equipment, and campus operations to enable predictive maintenance, multidimensional decision-making, and visualized applications (platform construction expected to be completed in 2027-2028).

#### Logistics & Delivery Optimization

Provides convenient services through a combination of campus parcel stations and smart parcel lockers.

#### Digital Campus Model

Develops a dynamic digital model of the campus to support space-use analytics and intelligent scheduling (platform construction expected to be completed in 2027-2028).

#### Campus Super App

Offers an integrated suite of daily-life services, including food delivery, parcel services, laundry, and second-hand trading.

### 学生阵地建设

### Student Life & Activity Hubs

#### 国际交流中心

港城大（东莞）精心打造了多元丰富的校园特色空间，全方位满足学生的学习、活动与休闲需求：绮音阁与回音壁配齐钢琴、吉他等各类乐器，是校园音乐人的专属天地，可开展乐队排练、小型音乐展演；云舒台与云憩轩配备专业设施，采光通透、空间开阔，适配瑜伽练习与舞蹈编排；集荟堂配备座椅、投影及音响设备，可高效开展社团策划、班级研讨等各类集体活动；奇趣仓配置PS5、Switch及热门桌游，为学子课余解压休闲提供趣味选择；影音室搭载专业音响与高清投影，可实现K歌、集体观影等视听休闲体验。

#### 学生事务中心

学生事务中心于2025年6月建成，并于迎新报到注册期间正式投入使用。学生事务中心整合了多个部门资源，不仅在学期中作为日常事务办理的集中场所，也在招生季承担招生咨询中心功能，并于迎新期间作为新生报到注册的主要场地，实现了空间功能的高效整合与多元复用，为学生提供平台化便利服务场地。



\*国际交流中心  
\*International Exchange Center

#### International Exchange Center

CityUHK (DG) has crafted a variety of vibrant campus spaces to support students' learning, activities, and leisure needs. Qiyin Pavilion and Echo Wall are equipped with pianos, guitars, and other instruments, serving as dedicated spaces for student musicians to hold band rehearsals and small music performances. Yunshu Terrace and Yunqi Pavilion feature professional equipment, ample natural lighting, and open layouts, ideal for yoga practice and dance choreography. Jihui Hall, furnished with seating, projectors, and sound systems, efficiently accommodates club meetings, class seminars, and other group activities. Fun Studio offers PS5, Nintendo Switch, and popular board games, providing students with recreational options for stress relief. The Audio-Visual Room, equipped with professional sound and high-definition projection, enables karaoke sessions and group movie screenings, offering immersive audio-visual experiences.

#### Student Affairs Center

Completed in June 2025, the Student Affairs Center officially opened during the freshman registration period. It integrates multiple departments' resources, functioning as a central hub for daily student services. During the recruitment season, it also serves as an admissions consultation center and, during orientation, as the main registration venue for new students. The center efficiently integrates multiple functions and provides students with a versatile platform for convenient services.



\*学生事务中心  
\*Student Affairs Center

## 社区中心

港城大（东莞）参照港城大学生社区建设模式，已初步完成学校社区中心的文化阵地构建。主要通过营造宿舍大堂“家”的氛围、建设多功能活动室，并推动“琴棋书画进社区”，打造具有辨识度的宿舍“文化名片”，实现“一宿一特色、公区有文化”的社区育人环境。



## 媒体中心

2025年6月，港城大（东莞）图书馆媒体中心正式启用，全面支持直播、视频、图文等全媒体内容制作，服务于教学、招生、宣传及学生活动。师生可借助该中心创作校园品牌内容，展示学校发展与师生风貌，在培养学生跨媒体叙事能力的同时，提升学校品牌影响力与传播效能。

## Media Center

Officially opened in June 2025, the Library Media Center fully supports live streaming, video, and multimedia content production, serving teaching, admissions, promotion, and student activities. Students and faculty can leverage the center to create content that showcases campus life, school development, and individual achievements. The facility also helps cultivate students' cross-media storytelling skills while enhancing the University's brand influence and communication capabilities.

## Community Center

In line with the national “one-stop student community” initiative and drawing on CityUHK's student community model, CityUHK (DG) has laid the foundation for a culturally enriched campus community. The center creates a home-like atmosphere in dorm lobbies, features multifunctional activity rooms, and promotes cultural activities such as music, chess, calligraphy, and painting. This approach gives each residence hall its own distinctive character, creating an educational environment where common areas showcase cultural engagement.



## 安全建设 Campus Safety

### 建立校园安全制度体系

2024/25 学年，港城大（东莞）建立反恐工作领导小组，制定了《反恐工作专项经费保障制度》《香港城市大学（东莞）突发公共事件总体应急预案》等工作制度，并统筹制定 8 项专项应急预案，为校园安全和反恐、应急等工作提供了制度保障。

### 开展虫媒传染病防控工作

2025年7月，广东省出现基孔肯雅热等虫媒传染病疫情。港城大（东莞）根据上级要求牵头成立虫媒传染病防控工作组，组织物业每天进行环境消杀和积水清理，定期开展爱国卫生运动，统一对师生开展健康监测，并通过多元形式向全校师生开展虫媒传染病防控的相关知识宣传。

### 开展急救救护培训工作

2025年，港城大（东莞）增购了9台自动体外除颤器（AED），并组织了82名师生参加急救培训，现场学习急救知识和技能，经过考核均取得初级救护员证。

## Emergency First-Aid Training

In 2025, CityUHK (DG) procured nine additional automated external defibrillators (AEDs) and organized first-aid training for 82 students and staff. Participants received hands-on instruction in essential first-aid skills and, upon assessment, all obtained the Junior First-Aid Certification.

## Comprehensive Campus Safety Framework

In the 2024/25 academic year, CityUHK (DG) established a Leadership Group for Counter-Terrorism and formulated key institutional documents, including the Funding Assurance Scheme for Counter-Terrorism Operations and the City University of Hong Kong (DG) Master Emergency Response Plan for Public Incidents. The University also devised the development of eight specialized emergency response plans, providing a solid regulatory foundation for ensuring campus safety and strengthening emergency and counter-terrorism operations.

## Vector-Borne Disease Prevention and Control

In July 2025, outbreaks of mosquito-borne diseases such as chikungunya were reported in Guangdong Province. In response and in line with directives from higher authorities, CityUHK (DG) established a dedicated task force for vector-borne disease control. The University organized daily environmental disinfection and standing-water clearance through campus property management teams, carried out regular health campaigns, implemented unified health monitoring for all students and staff, and promoted disease-prevention awareness through diverse channels.

