

2025/26 秋季学期

碳中和与气候变化哲学博士

PhD in Carbon Neutrality and Climate Change

香港科技大学 (广州)



碳科学技术



气候变化与治理



可持续能源转型



气候金融和政策

1 项目简介

港科大 (广州) 碳中和与气候变化哲学博士专业紧密对接国家“双碳”战略需求, 立足粤港澳大湾区发展机遇, 以培养引领碳中和事业发展的复合型高端人才为目标, 努力探索交叉学科人才培养新模式。本专业在“双碳”战略背景下, 特别强调理工科与人文社科的深度融合, 涵盖低碳技术、碳中和政策、经济与金融、AI+ 等多个领域, 系统构建了一套的交叉学科课程体系。在课程设置上, 专业聚焦能源革命、产业转型、绿色金融、气候治理、公众参与等碳中和关键领域, 开设一系列前沿课程。同时, 专业还将综合运用案例教学、实地考察、情景模拟、专业实践等多元化教学方式, 提升学生运用交叉学科知识和方法分析解决复杂问题的能力。通过学科交叉融合和理论实践结合, 专业将培养一批胜任“双碳”工作、引领行业发展的“高精尖缺”复合型人才。

2 培养方式

• 双导师制

3 学制与学分

- 学分: 21
- 全日制: 3-4 年, 非全日制: 6 年

4 学费

- 全日制 (助学金获得者): 40,000 元 / 年
- 全日制 (自费) & 非全日制 (自费): 150,000 元 / 年

5 助学金

- 15,000 元 / 月, 上限 4 年, 仅限全日制 (助学金获得者)
- 符合要求的申请者将自动纳入考虑范围, 无需额外申请

6 入学要求

- 学位要求: PhD 申请者须持有学士学位; 或至少一年全日制 (或两年非全日制) 研究生研究经历
- 英语须满足以下要求之一: 托福网考 80 分 / 托福 pBT 550 分 / 托福修订纸笔考试 60 分 (阅读、听力和写作总分) / 雅思 (学术类) 6.5 分 (各项不低于 5.5 分)

* 母语为英语, 或学士 / 硕士阶段授课语言为英语的申请人除外。

7 申请截止时间

- 国际学生申请者 2025 年 6 月 15 日
- 中国学生申请者 2025 年 7 月 15 日

8 申请方式

- 在线申请: <https://fytgs.hkust-gz.edu.cn/admissions/apply-now>
- 扫码申请:



► Ye Qi



Acting Thrust Head, Chair Professor
PhD in Environmental Science
The State University of New York and Syracuse University, 1994
Email: yeqi@hkust-gz.edu.cn
*PhD Recruitment quota for 2025-26 intake: 2
Research Interest:
Climate change and environmental policy and governance, Sustainability science and applications

► Luoye CHEN



Assistant Professor
PhD in Agricultural and Applied Economics
University of Illinois at Urbana-Champaign, 2022
Email: luoyechen@hkust-gz.edu.cn
*PhD Recruitment quota for 2025-26 intake: 1
Research Interest:
Environmental and agricultural economics

► Seona PARK



Assistant Professor
PhD in City Planning
Seoul National University, 2022
Email: seonapark@hkust-gz.edu.cn
*PhD Recruitment quota for 2025-26 intake: 2
Research Interest:
Energy justice & just transition, Climate neutrality policies in Asia, Identification and support of marginalized groups in the climate crisis

► Zichong CHEN



Assistant Professor
PhD in Land and Atmospheric Sciences
University of Minnesota, 2018
Email: zichongchen@hkust-gz.edu.cn
*PhD Recruitment quota for 2025-26 intake: 1-2
Research Interest:
Greenhouse gases (CO₂, methane, N₂O), Air pollutants, Carbon-climate Interactions and 'top-down' inverse modeling

► Jiangong LIU (Expected to be onboard in May)



Assistant Professor
PhD in Physical Geography
The Chinese University of Hong Kong, 2020
Email: j16314@columbia.edu
*PhD Recruitment quota for 2025-26 intake: 2
Research Interest:
Ecosystem adaptation to climate change, Ecosystem responses to climate extremes, Nature-based climate solutions, Explainable and causally-inferenced AI

► Jude OKOLIE (Expected to be onboard in July)



Assistant Professor
PhD in Physical Geography
University of Saskatchewan, 2021
Research Interest:
Process simulation, Energy systems, Sustainability

► Kejun JIANG



Professor
PhD in Social Engineering
Tokyo Institute of Technology, 1999
Email: kejunjiang@hkust-gz.edu.cn
*PhD Recruitment quota for 2025-26 intake: 1-3
Research Interest:
Integrated assessment model development and application, Energy and environment policy assessment, Zero-carbon industry development pathways

► Yangsiyu LU



Assistant Professor
PhD in Environmental Economics
University of Oxford, 2022
Email: yangsiyulu@hkust-gz.edu.cn
*PhD Recruitment quota for 2025-26 intake: 1
Research Interest:
Energy infrastructure, Energy technology investment, Climate risk, Fossil fuel asset transition, Cleantech innovation

► Anurag GUMBER



Assistant Professor
PhD in Climate Finance & Policy
Swiss Federal Institute of Technology, Zurich, 2024
Email: anuraggumber@hkust-gz.edu.cn
*PhD Recruitment quota for 2025-26 intake: 3
Research Interest:
Infrastructure/asset finance, Energy, transport, urban infrastructure, Capital markets, Banking, Technology innovation, Climate policy

► Vincent WOON Kok Sin



Assistant Professor
PhD in Environmental Engineering
The Hong Kong University of Science and Technology, 2015
Email: koksinwoon@hkust-gz.edu.cn
*PhD Recruitment quota for 2025-26 intake: 3
Research Interest:
Life cycle assessment in waste, energy, building, transportation, and agriculture, Carbon footprint and material flow analysis, Multi-objective optimization and geospatial analysis, Decarbonization strategy and low-carbon policy planning, Artificial intelligence for sustainability and climate change, Environment-economic-social nexus for climate resilience

► Yuqi SONG (Expected to be onboard in July)



Assistant Professor
PhD in Public Policy Studies
The University of Chicago, 2023
Email: yuqisong@fas.harvard.edu
*PhD Recruitment quota for 2025-26 intake: 1-2
Research Interest:
Environmental economics, Energy economics, Climate economics

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Faculty Members:

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