



北京师范大学 联合国际学院
香港浸会大学

BEIJING NORMAL UNIVERSITY · HONG KONG BAPTIST UNIVERSITY
UNITED INTERNATIONAL COLLEGE

Ph.D/M.Phil PROGRAMME IN CHEMISTRY



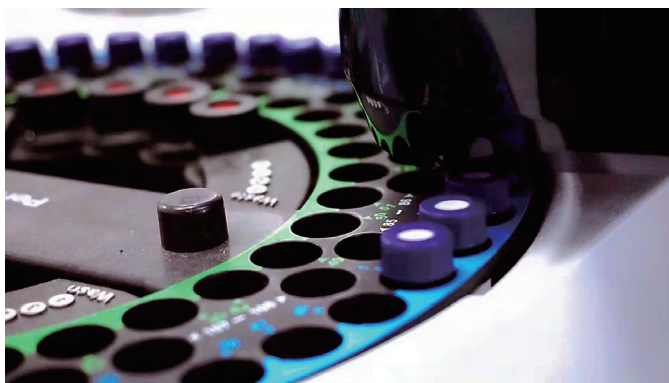
Why UIC?

- The first full-scale cooperation in higher education between the Chinese Mainland and Hong Kong
- Strategically situated in Zhuhai city in the Guangdong-Hong Kong-Macao Greater Bay Area
- Highly internationalized with world-class faculties
- High standards of nurturing research talents in postgraduate education
- Academic degrees awarded by the prestigious HKBU

>> Why PhD or MPhil in Chemistry?

PhD and MPhil in Chemistry aim to cultivate graduates with the ability to conduct cutting-edge research independently in the area of chemistry. Throughout their studies, students will develop profound understanding and insight, as well as systematic in-depth theoretical and professional knowledge in the field of chemistry. Finally, students will acquire the capability to publish their research findings in world-renowned journals and establish network with world-class researchers in UIC and globally to enhance their research experience.

>> Professional Resources



Students will have access to advanced laboratories and sophisticated analytical instruments, available both in UIC and HKBU. Our programmes get the professional supports of Environmental Science Programme and Food Science and Technology Programme. They are equipped with state-of-the-art research facilities including Ultra-performance Liquid Chromatography, Gas Chromatography-Mass Spectrometry and so on. Besides, students also have access to a wide array of software and online learning resources, giving them the tools needed to conduct their research. There is extensive collaboration and network with the wider research communities to support students in conducting world-class research.



Programme Structure

Study Mode	Enrollment Time	Duration	Minimum Units of Coursework
MPhil in Chemistry	Every March and September	24 months (full-time)	12
PhD in Chemistry		48 months (full-time)	22

* Remark: The Mandatory Common Core Courses will be taken in Hong Kong Baptist University.



Spotlight on Career

Often called the “central science,” chemistry is of vital importance to many science-related fields requiring problem-solving skills. Thus, chemistry-related jobs span many industries. An MPhil in Chemistry provides a solid foundation and an important pathway to a PhD in Chemistry. Our PhD graduates typically pursue their passion in teaching and research, and many of them move on to secure post-doctoral research opportunities. They are also geared to engage in various professions in the public and private sectors such as product development, manufacturing, forensics, monitoring and testing, laboratory management, information technology, as well as environmental modeling and management, to name a few.



Areas of Research Interest

Within the Graduate School we have a core group of faculty members whose research interests include atmospheric and aquatic chemistry, photochemistry, environmental toxicology, and the chemistry of emerging and persistent pollutants. In addition, we also have faculty members who are experts in rapid diagnostics, food science, phytochemicals, nutraceuticals, functional foods, nutrition and health promotion, and structure-based drug design. We have extensive network with researchers of other institutions worldwide and government agencies for potential collaboration.

Prospective applicants can scan the QR code for the background information of potential supervisors.



How to Apply

Prospective applicants can visit the website for more information on the application process:
https://gs.uic.edu.cn/graduate1/Research_Postgraduate_Programme/Chemistry.htm
Or, contact the Graduate School: gs_rpg@uic.edu.cn





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博文雅志 真知笃行

In knowledge and in deeds, unto the whole person

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关于UIC

- ▣ 首家中国内地与香港高等教育界合作创办的大学
- ▣ 位于中国粤港澳大湾区的珠海市
- ▣ 拥有国际视野和世界一流水平师资
- ▣ 坚持正确的教育方向并以培养一流科研人才为目标
- ▣ 毕业获香港浸会大学学位

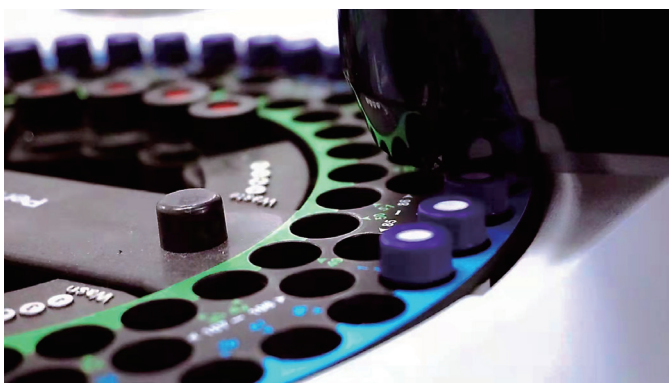


课程介绍

化学硕士和博士研究生课程旨在培养能够独立进行化学领域前沿研究的毕业生。在整个学习过程中，通过使用UIC和香港浸会大学提供的先进分析仪器，进行尖端的化学基础和应用研究。学生们将获得对化学领域的深刻理解和洞察力，以及系统深入的理论和专业知识。学生将有机会在世界知名期刊上发表研究成果，并与世界一流的研究人员建立联系。



专业资源



我们的课程得到了环境科学专业和食品科学与工程专业的全力支持。同时还配备了高级实验室和最先进的研究设施，如超高效液相色谱仪、气相色谱质谱仪、顶空气相色谱仪等，以提供化学和相关领域最前沿的科研训练机会。另外，学生有权访问一系列软件和在线学习资源，以获得研究所需的各种支持。我们还将与校外的研究单位开展广泛的合作，确保学生在世界一流的研究环境中得到支持。

课程设置

课程类型	入学时间	修读时间	修读学分
研究型硕士	每年三月或九月	24个月（全日制）	12
博士研究生		48个月（全日制）	22

*注：所有课程将以英文授课。公共必修课程将于香港浸会大学修读。

职业发展

化学作为“中心科学”，对生命科学、医学、工程、材料和许多相关的领域至关重要。因此，化学学位将为毕业生提供广泛的就业机会。化学硕士学位为博士发展提供了坚实的基础和重要的途径。我们的博士研究生通常保持着对教育的热情，投身于教学、研究或学术实验室的领域中。该课程的毕业生将有机会从事公共和私营部门的各种专业，如产品开发、制造、法医学、食品安全、实验室管理、信息技术以及环境管理等。

主要研究邻域

在研究生院，我们有一批核心导师，他们的研究方向涵盖了现今人类发展的最新挑战，内容包括大气和水化学、光化学、环境毒理学以及新兴和持久性污染物。此外，我们还拥有一批优秀的导师，他们在快速诊断技术、食品科学、天然产物化学、功能食品、食物对食欲和食物摄入的机理、风味化学、食品组学、原料药、药物中间体等领域都是专家。同时，我们也与政府部门、世界各地的研究人员建立了广泛的合作网络。



申请方式

有意向的申请者可浏览有关申请程序的更多信息：

https://gs.uic.edu.cn/graduate1/Research_Postgraduate_Programme/Chemistry.htm

或联系研究生院：gs_rpg@uic.edu.cn





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