Recent Awards & Recognition to our Chemistry Teachers

2021 Silver Bauhinia Star

Professor Chi-Ming CHE has been awarded the Silver Bauhinia Star (SBS) in recognition of his remarkable achievements and contributions to a wide range of research areas in the chemistry discipline.

Professor Chi-Ming CHE has also been awarded Luigi Sacconi Medal, Ryoji Noyori Asian Chemical Editorial Society (ACES) Award and the Lifetime Achievement Award in Organometallic Chemistry, among the many other prestigious awards he has obtained, recognizing his distinguished research achievements and outstanding contributions to the fields of inorganic chemistry, bioinorganic chemistry, catalysis & luminescent materials, and organometal chemistry, respectively.





2022/23 Bailar Medalist and Lectureship

Professor Vivian Wing-Wah YAM has been named the recipient of the 2022-23 Bailar Medal by the University of Illinois at Urbana-Champaign in recognition of her distinguished achievements in the fields of inorganic chemistry and coordination chemistry. She is the first Asian scientist to receive the Bailar Medal, which recognises excellence in the field of inorganic chemistry.

Professor Vivian Wing-Wah YAM has also earned other signature accolades including the Japanese Photochemistry Association (JPA) Honda-Fujishima Lectureship Award (2022) and the Inter-American Photochemistry Society (I-APS) Presidential Award (2023) in recognition of her outstanding contribution to the field of photochemistry.



2023 RSC's Dalton Horizon Prize

Professor Hongzhe SUN and his team have been elected by the Royal Society of Chemistry (RSC)'s Dalton Prize Committee to award the 2023 Horizon Prize, for their pioneering research on the medicinal chemistry of bismuth applied to the treatment of COVID-19, and identification of target sites in SARS-CoV-2 enzymes using metallomics methods.

Professor Hongzhe Sun has also been awarded the Research Grants Council (RGC) Senior Research Fellowship (2021/22) for his pioneering work on metallobiology and bioinorganic chemistry.



2023 National Natural Science Foundation of China Excellent Young Scientist Award

Dr. Zhongxing HUANG has been awarded China's Excellent Young Scientists Fund (Hong Kong and Macau) for 2023, a prestigious fund under the National Natural Science Foundation of China of the Ministry of Science and Technology. The title of his award-winning project is Asymmetric Catalysis.



2023 Contribution Award in Carbohydrate Chemistry

Professor Xuechen LI has been honoured with the Contribution Award in Carbohydrate Chemistry by the Chinese Chemical Society (CCS) in recognition for his dedication and commitment for advancing the science of carbohydrate chemistry.

Professor Xuechen LI has also been awarded Research Grants Council (RGC) Senior Research Fellow for 2023/24.

2024 Tetrahedron Young Investigator Award (Bioorganic and Medicinal Chemistry)

Professor Xiang David LI has been awarded the Tetrahedron Young Investigator Award 2024 for his exceptional contributions to the field of Bioorganic and Medicinal Chemistry. His dedication, creativity, and passion for advancing scientific knowledge have made Professor Li a deserving recipient of this esteemed accolade.

Graduate Sharing

SHAFFI Raffi Mohammed BSc (Intensive Major in Chemistry) 2023 Research Assistant – R & D Department, Vita Green Health Products

"A primary reason why I pursued the Intensive Major Curriculum of Chemistry at HKU is because I have a deep passion for chemistry and wanted to specialize in this field, hoping to learn the necessary skills and knowledge to either pursue further studies or work in a chemistry-related industry. Not only had my 4-year undergraduate experience fulfilled this expectation, it also made me realize and appreciate how multidisciplinary and multifaceted chemistry is, as chemistry itself not only has multiple areas of interests, but it can also be applied in various industries and applications. Thanks to the support of my professors, I have managed to develop a solid foundation in areas like analytical, organic, inorganic, and physical chemistry during my first 2 years, then during my last 2 years of studies, I specialized in organic chemistry by taking various advanced courses and participating in research internship projects. Through the latter, I managed to apply what I have learned in class to a practical setting, as well as learned new practical skills and techniques that were both fascinating and useful for my career path. Along the way, as not all reactions would go as planned, I had

to learn what went wrong and find a suitable solution, thus allowing me to cultivate my problem-solving skills and critical thinking skills that are essential now that I am working in the pharmaceutical industry as a research issistant.



or any other future career paths I would like to pursue. As I said in the beginning, chemistry is both multidisciplinary and multifaceted, so don't be afraid that specializing it through the intensive curriculum at HKU would stifle you in any way, as the professors and the curriculum itself could very well expand your horizons and skill set, and you will ultimately realize you can do so much with a strong background in chemistry and research."



During my undergraduate study at HKU, I got a ot of support from the teachers. They provided me with plenty of learning experiences including research internship projects. They were all supportive to answer my questions related to the courses and research skills. Through the research experiences, not only have I acquired better research

skills but also developed critical thinking which I think are the most crucial skills as these help me look at an issue in different aspects. I also gained more interest in doing research and this has led me to decide to pursue further studies in chemistry. I am now doing a Doctor of Philosphy Degree in Chemistry at University of Oxford. I am glad that I can apply what I have learned in my BSc studies at HKU to start my new research journey in Oxford on enzymatic catalysts. I believe the knowledge and techniques I acquired from HKU would definitely be useful to tackle many scientific research obstacles I may have in my postgraduate studies and future career. I wish to thank HKU Chemistry Department for nurturing me as a scientist. And it was my honor to have received the G T Byrne Memorial Prize in Chemistry 2020-2021.

WONG Yin Pok George

BSc (Major in Chemistry) 2020 PhD Candidate - University of California, Los Angeles

"Throughout my undergraduate education in



HKU, I have been exposed to numerous learning opportunities which have improved my knowledge and skills within the field. My research experiences in HKU have trained me to become more adept at problem solving and critical thinking, where these skills are also applicable across various disciplines. These experiences have also taught me how to deal with setbacks and allowed me to evolve into a more mature, meticulous and persistent individual. I have also explored various clubs and exchange opportunities which broadened my horizons and allowed me to try out new hobbies while cultivating long lasting friendships with students across the world. As I embark on my graduate studies in the future, I am incredibly excited to take on challenging scientific guestions in Chemistry with the skills I have acquired in HKU

HSU Ka Yuen BSc (Intensive Major in Chemistry) 2022 Radiochemist Assistant - St. Teresa's Hospital

"Pursuing a chemistry intensive degree in HKU is indeed challenging, but the knowledge and skills that I have acquired throughout the 4-year curriculum are invaluable. The intensive program is tailored for those who wish to develop their career in chemistry-related industries or even pursue a PhD in the future. Most of the chemistry knowledge and technical skills that I have learned in this program are practical and realistic in society nowadays, in which I can really apply them in my workplace.

The department of chemistry offers a wide range of courses. After acquiring essential knowledge and skills as a good foundation in our first two years of study, we are given numerous research opportunities and laboratory sessions to really "get our hands dirty". For me, I am very grateful that I can have the opportunity to start a research topic during my final year on complex soft material. I

personally found this step-by-step learning experience very suitable for those who have strong interest in chemistry or would like to sharpen their chemistry sense but don't know where to start. Don't worry, with your passion and determination towards chemistry, along with the well-planed curriculum and support offered by the department, I am sure that you can enjoy yourself learning chemistry in the coming four years and become a successful and knowledgeable person upon graduation."

LEUNG Wing Tung Christy

BSc (Intensive Major in Chemistry) 2022 Laboratory Officer - Hong Kong Productivity

"The Intensive Major in Chemistry Curriculum (aka HKU RSC Accredited Chemistry Programme) has equipped me with a wide array of chemistry knowledge and skills through a variety of well-designed courses

covering theory, laboratory skills, internship and research experience, etc.. The programme has also given me a precious opportunity to join an internship outside HKU. The internship opportunity allowed me to apply my knowledge at work while picking up new skills through hand-on experience in workplace. The opportunity for doing undergraduate research in a research group enabled me to acquire critical thinking and problem-solving skills. All these experiences have nurtured me to become an independent person. The fruitful experience I gained here is very conducive to my future. I would like to express my gratitude to HKU Department of Chemistry for encouraging me to explore different areas of chemistry.'



LEUNG Hoi Tung Daisy BSc (Major in Chemistry) 2019 Management Trainee -

The Bank of East Asia

"As a Chemistry student at HKU, I have been exposed to a myriad of opportunities, including both internal and external internships. The Chemistry-Major curriculum is a comprehensive and yet flexible one that enables students to develop an independent and logical mindset, acquire meticulous analytical skills,

and allows students to choose their own interest in specific chemistry areas

My piece of advice for prospective students who wish to join the HKU Chemistry Department is: Take hold of the generous opportunities offered by the University and the Department of Chemistry because you never know when these valuable experiences would come in handy."

Exchange Study for Chemistry-major Students

 Exchange study through HKU Worldwide Undergraduate Student Exchange Programme, the Faculty Exchange Programme, and Departmental Exchange Programme.

Students' reflections and sharing:

More Internationalization **Opportunities Available for Chemistry-maior Students**

(The information below is subject to change)

 Professional Development for Chemistry Majors at Yonsei University in South Korea

"Embarking on the exchange studies to UC Berkeley was one of the best decisions I have made.

I immersed myself in a multi-cultural environment and met people and friends from all walks of life.

I also learned a lot from scholars and peers, and gained a great deal of valuable lab experiences, from

 Summer Research at Imperial College, UK (2 months in Summer)





AU Kwing Nam Andreas (BSc - Major in Chemistry) Exchange study at UC Berkeley in 2022-23 S2

LEUNG Ho Chi Domingo

London in 2022-23

Summer exchange at Imperial College

Career Prospects for

Chemistry Graduates in

Different Sectors



"Going to Imperial College and carrying out a summer research project there has been a great experience. Not only have I got a taste of what it feels like to work as a chemistry researcher. I have also learned a lot of different experimental techniques and skills as well as practical knowledge. All these may not be easily acquired from lectures. The cherry on the cake in this program would be that you get to make new friends with students and researchers around the globe, broaden your horizon and learn valuable life-lessons for personal advancement. It has been such an invaluable experience that I will cherish for a very long time."

LAM Wai Leung Alvin (first from left; BSc - Intensive Major in Chemistry) Summer exchange at Imperial College London in 2022-23

During my time at Imperial College, I had the invaluable opportunity to work closely with brilliant minds and acquire research-level synthetic techniques. This experience not only has enriched my understanding towards frontier chemistry research, but also shaped my future endeavors in doing advanced chemistry. It has been an awesome journey."



"The comprehensive and advanced Chemistry and Physics curriculum and the opportunity to write a dissertation at Cambridge have helped me build up a strong foundation for my upcoming PhD study at MIT. It was also an amazing experience making friends with so many talented students from the UK and other parts of the world - truly eye-opening!"

CHEUNG So Yee Jasmine (first from left; BSc - Major in Chemistry) Visiting study at Pembroke College, University of Cambridge in 2021-22

ement Trainee); Cosmetic field (Marketing Assistant); Pharmaceutical ontrol Chemist); Hospital (Radiochemist Assistant); Testing / Cor emist; Associate Scientist; Chemist Trainee; Research Assistant

aster of Philosophy (MPhil), Doctor of Philosophy (PhD)





Department of Chemistry

The University of Hong Kong

🗰 www.chemistry.hku.hk 🛛 🔇 (852) 2859 7919 🛛 🔀 chemmail@hku.hk



Our Vision

To be one of the world's best academic departments for undergraduate education and a centre for innovative and creative research in frontier science.

Hiahliahts of The Department of Chemistry

- The Department of Chemistry is ranked No. 1 among all chemistry departments in Hong Kong in the recent (2020) as well as the previous three Research Assessment Exercises (RAEs) by the Research Grants Council (RGC) of Hong Kong. In the recent RAE, 99 % of our research submissions is rated as either world-leading (4*) or internationally excellent (3*).
- The Department has a long tradition of excellence in teaching and research. Research in the Department encompasses an array of areas and are focused in the following four areas: Synthetic Chemistry, Physical Chemistry and Computation, Chemical biology, and Material Science and Energy.
- We have been very successful in obtaining grants for largescale research programmes including the recent Theme-based Research Scheme (TRS) 2022/23 from RGC with a funding of HK\$43M; and the two innoHK grants from the Innovation and Technology Commission (ITC), HKSAR in 2019, with a total of over HK\$800M. The projects are:
- (TRS Programme) Towards Carbon Neutrality: Catalysing Water and Carbon Dioxide to Green Resource Carriers (HKU)
- (Health@InnoHK Programme) The Laboratory for Synthetic Chemistry and Chemical Biology (HKU)
- (AIR@InnoHK Programme) The Hong Kong Quantum AI Lab (HKU)
- In the aspect of sustainable development and environmental conservation, the Department of Chemistry has succeeded in obtaining a grant of HK\$1.08 M from Environmental Research, Technology Demonstration and Conference Projects 2022/23 funding. The project is:
- Environment and Conservation Fund Towards Livable & Healthy City: Solar-Driven Exhaust Fume (NOx) Purification Engineering for Eco-Friendly Transportation and Electricity Generation in Hong Kong

Prof. Hongzhe SUN

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- There have been many other major research programmes that the Department actively coordinates. Many of which have involved strategic collaborations with other institutions in Hong Kong and in the mainland. For example:
- (Areas of Excellence, AoE Programmes) Institute of Molecular Functional Materials (with HKUST, CUHK, CityU, HKBU); Theory, Modeling, and Simulation of Emerging Electronics (with HKUST, CUHK, PolyU, McGill, UIUC); Chemical Biology Approach to Molecular Medicine.
- (TRS Programme): Challenges in Organic Photo-Voltaics and Light Emitting Diodes – A Concerted Multi-Disciplinary and Multi-Institutional Effort (with HKUST, CityU, PolyU, HKBU)
- State Key Laboratory of Synthetic Chemistry (with CUHK, Shanghai Institute of Organic Chemistry, CAS)
- The HKU-CAS Joint Laboratory on New Materials (with Technical Institute of Physics and Chemistry, CAS)
- The HKU-CAS Joint Laboratory on Chemical Synthesis (with CUHK, Shanghai Institute of Organic Chemistry, CAS)
- The Department has a strong team of world-class scientists who are committed to providing quality teaching and devoted to nurturing our new generation. The achievements of our staff have been recognized by numerous international, national and regional awards. Two faculty members in our Department, Prof. C M Che and Prof. V W W Yam, are Members of the Chinese Academy of Sciences and Foreign Associates of the US National Academy of Sciences. Many other faculty members have also received prestigious recognitions, e.g., Prof. H Z Sun has been awarded by the Royal Society of Chemistry's 2023 Dalton Horizon Prize, and Prof. X C Li has been honoured with Chinese Chemical Society's Contribution Award in Carbohydrate Chemistry. Our younger professors are also rising stars - four have been awarded with National Natural Science Foundation of China Excellent Young Scientist Awards



Prof. Vivian Wing Wah YAM

Prof. Zhengxiao GUO

International & National Honours Awarded to Our Academic

- Academy of Sciences (2) Members of the Chinese Academy of
- Sciences (2)
- Fellows of TWAS, The World Academy of Sciences (2)
- - - Medals (2)
 - Award • TWAS Prizes in Chemistry (2)
 - 2nd Class, 3rd Class) L'ORÉAL-UNESCO Awards for Women in
 - Sciences Laureate

 - Lectureship (Lee Lectureship) of the
 - Seaborg Lectureship at the University of Award in Photo California, Berkeley, USA (2) Bailar Medalis oisier Lectureship at the University of emistry Lectureship Award

HKU Chemists' Outstanding Research

A research team led by Professor Hongzhe SUN from HKU Chemistry has found that, chromium(III) (Cr(III)), a nutritional supplement, can enhance cells' ability to metabolise glucose by regulating ATP synthase activity.

This process improves mitochondrial deformation caused by high glucose levels and significantly boosts glucose metabolism in type 2 diabetic mice. To uncover the protein targets of Cr(III) and elucidate the molecular mechanism, the team has developed a fluorescent probe for detecting transient metal-protein interactions, achieving a high spatiotemporal resolution tracking of the Cr(III) proteome in HepG2 cells. This led to the identification of Cr(III)-binding proteins within cells. The team then revealed that Cr(III) replaces magnesium ions (Mg2+) in ATP synthase, reduces ATP

synthase activity, and activates the downstream AMPK pathway, resulting in improved glucose metabolism. The findings provide a novel concept for hypoglycaemic research. This study addresses how Cr(III) improves hyperglycaemic stress at the molecular level for the first time. With the identification of multiple Cr(III)-binding proteins, this study also opens a new horizon for further investigation of the pharmacological role of Cr(III) in other diseases other than anti-diabetes, such as anti-neurodegenerative diseases and anti-aging new horizons. The research result was published in Nature Communications. (Apr 2023)



Research teams led by **Professor David Lee PHILLIPS from HKU Chemistry** and collaborators from Jiangsu University, the City University of Hong Kong and the Shanghai Institute of Organic Chemistry have developed a remarkable and the sea and environmentally friendly system that can effectively harness light energy for the photocatalytic process. This artificial system is highly-stable and recyclable, and it does not rely on precious metals, making it more economically viable and sustainable. The research findings were published in the top scientific journal Nature Catalysis. (Jun 2023)

In a concerted effort with **Professor Zhengxiao GUO from HKU Chemistry** and collaborators from the University College London and the Department of Chemical Engineering, Tsinghua University, a highly active and selective catalytic material that can efficiently convert methane, a potent greenhouse gas, into formaldehyde, an essential chemical in a waste-free manner, has been developed.

This innovative material, derived from tungsten trioxide (WO3 catalyst), features a dual active site comprising copper and tungsten atomic species that work in tandem to ensure an effective and selective conversion process. The conversion process can achieve nearly 100% selectivity under visible light, which avoids unwanted byproducts and increase efficiency, making it an eco-friendly alternative to current production methods. The findings were published in the prestigious journal Nature Communications. (May 2023)



- Fellow of the American Physical Society Royal Society of Chemistry Centenary
- Royal Society of Chemistry Ludwig Mond
- State Natural Science Awards (1st Class,
- Chinese Young Women in Science Fellowship
- National Natural Science Foundation of China Excellent Young Scientist Award (4) Julia S. and Edward C. Lee Memorial
- University of Chicago, USA (2)
 - ship at Massachusetts



- Foreign Associates of the US National
 The First Ryoji Noyori (2001 Nobel Laureate) ACES Award (2016)
 - Japan Society of Coordination Chemistry International Award (2
- Foreign Member of Academia Europaea
 Asian and Oceanian Photochen Association (APA) Masuhara Lect
 - CCS Huang Yao-Zeng Organome Chemistry Award (2018)
 - Federation of Asian Chemical Soci (FACS) Foundation Lectureship Av
 - Earl L. Muetterties Lectureship in Inorganic Chemistry, the Univer California, Berkeley (2018)
 - Rao Makineni Lectureship Awai American Peptide Society (201
 - Luigi Sacconi Medal (2020) Porter Medal (2020)
 - Chinese Association for Instrument Analysis (CAIA) Award, Grand Prize
 - American Chemical Society Nationa Award – The 2022



Features of Undergraduate & Postgraduate Chemistry Programmes

Undergraduate Studies (BSc Chemistry Major)

- Our undergraduate chemistry education is of rigorous standard
- Two options are available to students Regular Chemistry Major Curriculum (96 credits)
- Intensive Chemistry Major Curriculum (*RSC Accredited Chemistry Programme; 144 credits)



Master of Philosophy (MPhil)

Postgraduate Studies (MPhil, PhD)

- normative study period for full-time: 2 years
- Doctor of Philosophy (PhD)
- normative study period for full-time: 3 years (for those who already hold a research Master's degree) or 4 years (for those with a good Bachelor's degree with honours and/or a taught Master's degree)
- Our Intensive Chemistry Major curriculum has been accredited by the Royal Society of Chemistry (RSC), a world leading professional association for chemistry. The RSC accreditation of our programme is a strong recognition of the excellent standards and high quality education that the Department of Chemistry offers. We are the first university in Hong Kong to receive the RSC accreditation for a BSc Chemistry Programme.



The research team led by **Dr Yufeng WANG from the HKU Chemistry** has developed a new method to create microscale superstructures, called MicroSpine, that possess both soft and hard materials which mimic the spine structure and can act as microactuators with shape-transforming properties. The work done in this project could lead to the creation of intelligent microrobots capable of performing sophisticated microscale tasks, such as drug delivery, localised sensing and other applications. This breakthrough work was published in the top scientific journal Science Advances. (Jul 2023)





A research group led by **Dr Edmund C M TSE from HKU Chemistry** achieved an important breakthrough toward dismantling the technological barrier of fuel cells. Specifically, the research group has developed a promising electrochemical cocatalyst that overcomes the kinetic hindrances of oxygen reduction reaction (ORR). The work done in this project is expected to be widely applicable to other green resourcification operations and clean energy catalytic processes. The study was published on ACS Catalysis. (Jun 2023)



A research team led by **Dr Jinyao TANG from** HKU Chemistry develops a novel wavelengthselective intelligent colloid system to achieve light-controlled multi-dimensional phase segregation in collaboration with scientists from Hong Kong University of Science and Technology and Xiamen University. The team forms dynamic photochromic nanoclusters by mixing cyan, magenta and yellow microbeads, achieving photochromism on a macroscale. This macroscopic photochromism relies on lightinduced vertical phase stratification in the active microbeads mixture, resulting in the enrichment of coloured microbeads corresponding to the incident spectrum. The findings provide a simple method for applications such as electronic ink, displays, and active optical camouflage, representing a major breakthrough in the field of active matter. The research result was published in the prestigious academic journal Nature. (May 2023)





The pioneering work by Prof Li and co-workers have advanced our understanding of the fundamental biological processes of gene

cancers.

A research team led by

Professor Xiang David LI from

HKU Chemistry and collaborators from

HKU School of Biological Sciences and

HKU School of Biomedical Sciences

recently made a key breakthrough in

understanding how genetic information

encoded in our DNA is "read" and why

errors in "reading" such information can

often lead to developmental defects or

regulation. These findings also open new opportunities for developing novel therapeutic agents to treat human diseases caused by abnormal levels of H3K79 methylation. The research findings were published in the top scientific journal Science. (Feb 2023)





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HKU BSc Chemistry Curriculum can help students to

- Take up various positions, e.g. as a researcher, in industrial quality control, in environmental assessment, in teaching, patent law, in business, and in medicine and health care, etc;
- Lay a solid foundation for other related science subjects, e.g. biology. food and nutritional sciences, physics, biochemistry, ecology, environmental science, earth sciences, sport sciences, etc;
- Develop an analytical mind, logical thinking, organizational skills;
- Understand the science involved in other areas of inquiries, intersecting with economics, political and health issues; and
- Apply scientific knowledge and skills in real life situations.

Minimum Entry Requirement to Major in **Chemistry or Intensive Major in Chemistry**

Level 3 or above in HKDSE Chemistry or equivalent or a pass in CHEM1041 Foundations of Chemistry



Regular Major in Chemistry (96 credits)

Offered to students admitted to Year 1 in 2024-2025 The information given below may be subject to change.

1. Introductory level courses (48 credits) **Disciplinary Core Courses:** SCNC1111 Scientific method and reasoning Science Foundation Courses (12 credits) SCNC1112 Fundamentals of modern science **Disciplinary Core Courses** (36 credits) CHFM1042 General chemistry CHEM1043 General chemistry I CHEM2241 Analytical chemistry CHEM2341 Inorganic chemistry I CHFM2441 Organic chemistry CHEM2541 Introductory physical chemistry 2. Advanced level courses (42 credits) CHEM3241 **Disciplinary Core Courses** (30 credits) Analytical chemistry II: chemical instrumentation CHEM3341 Inorganic chemistry II CHEM3441 Organic chemistry II CHEM3443 Organic chemistry laboratory CHEM3541 Physical chemistry: introduction to quantum chemistry CHEM4142 Disciplinary Electives (12 credits) Symmetry, group theory and applications At least 12 credits of any level 4 Chemistry CHEM4144 Advanced materials (CHEM4XXX) courses shown in List A. CHEM4145 Medicinal chemistry CHFM4147 Supramolecular chemistry List A (This list is subject to change. CHEM4148 Frontiers in modern chemical science Please check the online syllabus on the science CHEM4241 Modern chemical instrumentation and applications faculty website from time to time): CHEM4242 Analytical chemistry CHEM4341 Advanced inorganic chemistry CHEM4342 Organometallic chemistry

CHEM4441

CHFM4443

CHEM4444

3. Capstone requirement (6 credits) At least 6 credits selected from the following courses:

CHFM4542 Computational chemistry CHFM4543 Advanced physical chemistry CHEM3999 Directed studies in chemistry CHEM4910 Chemistry literacy and research CHFM4911 Capstone experience for chemistry undergraduates: HKUtopia CHEM4966 Chemistry internship CHEM4999 Chemistry project (12)

Advanced organic chemistry

Integrated organic synthesis

Chemical biology



Intensive Major in Chemistry (144 credits) (also named "RSC Accredited Chemistry Programme") Offered to students admitted to Year 1 in 2024-2025



ACCREDITED DEGREE



Scan this QR code for the details of the intensiv hemistrv maior curriculu

Chemistry Prizes / Scholarships to Outstanding Students in Chemistry

We offer a number of scholarships/prizes to outstanding students in chemistry. The awardees are selected and nominated by members of the teaching faculty based on students' grades and academic merit.

- Cheung King Pak Memorial Scholarship
- Dick Arthur Memorial Prize in Chemistry
- Dorothy Collins Memorial Scholarships
- Douglas Payne Prizes in Chemistry
- G.T. Byrne Memorial Prize in Chemistry
- Mak Kai Hung Memorial Scholarships
- Norman Chui Scholarship
- Rayson Huang Scholarships Vacoas II Trust Scholarships