

Faculty of Science Programme Guide

2025/26



PolyU Science Creates Impact
理大科學 探理創新

*The Faculty of Science offers a comprehensive range of academic programmes, covering Undergraduate and Postgraduate Degrees. We promote **a vibrant and dynamic teaching and learning environment**. Our excellence in research **underpins the teaching and supports the knowledge transfer with impact to the society**.*

Dean

Prof. Wong Wai-yeung, Raymond

黃維揚教授

Clarea Au Professor in Energy

Chair Professor of Chemical Technology

President (Hong Kong Chemical Society)

BSc, PhD, CChem, FRSC, Foreign Fellow of EurASc

Associate Deans

Prof. Chai Yang

柴揚教授

BSc, MSc, PhD

Prof. Wong Man-kin

黃文健教授

BSc, PhD

Prof. Yung Ka-fu, Joseph

容家富教授

BSc, PhD, MRSC

Assistant Deans

Dr Geng Ping, Sandy

耿平博士

BEng, MSc, PhD

Dr Leng Kai, Kathy

冷凱博士

BSc, MSc, PhD

Our Departments



DEPARTMENT OF
APPLIED BIOLOGY AND
CHEMICAL TECHNOLOGY
應用生物及化學科技學系



Department of Applied Physics
應用物理學系



Department of
Food Science and Nutrition
食品科學及營養學系

Navigate Your Academic Journey with the Faculty of Science

Our undergraduate admission initiative empowers students to align their pathways with their passions, offering an extensive array of choices and flexibility.

Schemes/ Programmes we offer:

- *Bachelor's Degree Scheme in Science (JS3008)*
- *BSc (Hons) Scheme in Biotechnology and Chemical Technology (JS3011)*
- *BSc (Hons) in Physics with a Secondary Major in Artificial Intelligence and Data Analytics/ Innovation and Entrepreneurship (JS3030)*
- *BSc (Hons) Scheme in Food Science and Nutrition (JS3255)*

Students can directly select their **preferred departmental scheme/ programme** or explore their academic interests through our new **Bachelor's Degree Scheme in Science (JS3008)**. This scheme allows students more time to explore the science disciplines and aims to nurture future scientists by offering a holistic, and pioneering science-based education.

All students admitted to our Faculty will embark on a Common Year One Curriculum, including the General University Requirement (GUR) subjects and tailor-made fundamental subjects in biology, chemistry, mathematics, physics and food science. These subjects are designed to fit students with diverse background, which pave a solid foundation for exploration of a range of science disciplines.

After the first year of studies, students who opt for departmental scheme-based admission can decide whether to **continue with their initial choice** or **switch to another option within our Faculty**. Those in the Bachelor's Degree Scheme and those who wish to switch can choose their preferred departmental/ programme through a ranking assessment by considering a combination of entrance qualification score, Year One GPA, and interview performance. Initially, at least 90% of the places are available for students who opt for the departmental scheme/ programme directly.



Common Year One Curriculum

Bachelor's Degree Scheme Admission

Students can **explore their academic interests** through our bachelor's degree scheme



Bachelor's Degree Scheme
in Science
(JS3008)



DEPARTMENT OF
APPLIED BIOLOGY AND
CHEMICAL TECHNOLOGY
應用生物及化學科技學系

BSc (Hons) Scheme in
Biotechnology and
Chemical Technology
(JS3011)

Major Selection before Year Two Study

Students can choose their preferred scheme/ programme through a ranking assessment

BSc (Hons) in
Applied Biology with
Biotechnology[#]

BSc (Hons) in
Chemical Technology

Discover Your Undergraduate Pathway with the Faculty of Science

Departmental Scheme-based Admission

Students with a **clear academic vision** can directly select their preferred departmental scheme/ programme



Department of Applied Physics
應用物理學系

BSc (Hons) in Physics with a Secondary Major in Artificial Intelligence and Data Analytics (AIDA)/ Innovation and Entrepreneurship (IE) **(JS3030)**



Department of Food Science and Nutrition
食品科學及營養學系

BSc (Hons) Scheme in Food Science and Nutrition **(JS3255)**

Students can decide whether to continue with their initial choice or switch to another choice within our Faculty through a ranking assessment

BSc (Hons) in Physics with a Secondary Major in Artificial Intelligence and Data Analytics (AIDA)

BSc (Hons) in Physics with a Secondary Major in Innovation and Entrepreneurship (IE)

BSc (Hons) in Food Safety and Technology[#]

BSc (Hons) in Human Nutrition and Health^{*}/ BSc (Hons) in Human Nutrition and Health (Nutrition in Practice)^{*}

[#] The option of Secondary Major in Innovation and Entrepreneurship (IE) is available.

^{*} The programme is subject to approval.



About the Department

The **Department of Applied Biology and Chemical Technology (ABCT)** is a multi-disciplinary department that embraces chemistry, biology, biochemistry, biochemical engineering and materials science. We focus on providing high quality education and building our strength in basic and applied research to meet the needs of the ever-changing world and contribute to the society.

Career Prospects

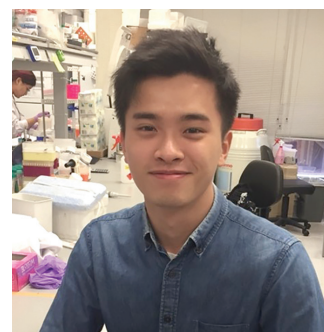
ABCT programmes offer rigorous training to equip our graduates with the skills to capture a wide range of career options in the industry, business and public sectors. Based on their choices of study, our graduates enjoy promising employment prospects in diversified fields, including civil services, biotechnology industry, pharmaceutical industry, testing and certification, environmental services, etc. Graduates may also choose to further their academic pathway and pursue postgraduate studies in local or overseas universities.

Alumni Sharing

Mok Ho-kit

*Graduate of BSc (Hons) in Applied Biology with Biotechnology and PhD;
Postdoctoral Research Fellow, The University of British Columbia (UBC)*

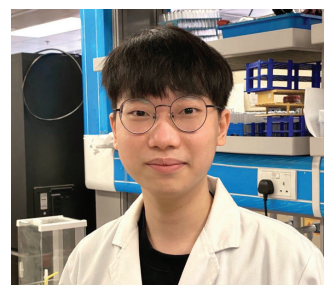
The Applied Biology with Biotechnology (ABB) programme offers various learning opportunities. During my BSc and PhD in ABCT, I travelled to different countries, built connections worldwide, initiated a meaningful social project, and completed a challenging research project. These valuable experiences prepared me for my current role as a Postdoctoral Research Fellow at UBC. Time is your only limit—enjoy the rewarding journey at PolyU before you realize it is over.



Lin Ming-kit, Ivan

Graduate of BSc (Hons) in Chemical Technology; Research Postgraduate Student, PolyU

The Chemical Technology (CT) programme equipped me with cutting-edge knowledge and the skills to become a versatile researcher to find solutions and create value. I am grateful for the support and guidance offered by the Department and it is the fantastic learning environment here that encourages me to continue my postgraduate study at PolyU.



Tsang Hon-fung, Tommy

Graduate of BSc (Hons) in Analytical Sciences for Testing and Certification

The Analytical Sciences for Testing and Certification (ASTC) programme allowed me to apply academic knowledge to real-life situations and provided numerous laboratory opportunities. After completing the programme, I am well-equipped to start my career in the testing industry. My lecturers offered significant support, especially during my Capstone Project, teaching me to reduce errors and uncertainties and achieve accurate results quickly—essentials in the commercial testing world.



Exchange & Internship



Exchange

- University of New South Wales, Australia
- University of Technology Sydney, Australia
- Fudan University, China
- Rwth Aachen University, Germany
- Technical University of Munich, Germany
- Nanyang Technological University, Singapore
- National University of Singapore, Singapore
- Seoul National University, South Korea
- KTH Royal Institute of Technology, Sweden
- Durham University, UK
- University of Cambridge, UK
- University of Southampton, UK

Overseas Internship

- McGill University, Canada
- Kyoto University, Japan
- Osaka University, Japan
- National University of Singapore, Singapore
- Durham University, UK
- Imperial College London, UK
- University of Southampton, UK
- Harvard University, USA
- Purdue University, USA
- University of California, Los Angeles, USA

Local internship

ABB

- Agriculture, Fisheries and Conservation Department (AFCD)
- BGI Health (HK) Company Limited
- Hong Kong Science and Technology Parks (HKSTP)
- Janssen
- Novartis
- Sanofi

CT

- Ecolab
- GlaxoSmithKline (GSK)
- Merck
- Pfizer
- SGS
- Water Supplies Department (WSD)

ASTC

- Castco Testing Centre Limited
- Civil Engineering and Development Department (CEDD)
- CMA Testing
- Hong Kong Standards and Testing Centre
- Intertek Hong Kong
- TUV Rheinland
- WuXi AppTec
- WuXi Biologics

Bachelor's Degree Programmes

BSc (Hons) Scheme in Biotechnology and Chemical Technology (JS3011)

The following two programmes are offered under the above scheme:

BSc (Hons) in Applied Biology with Biotechnology (ABB)#

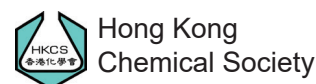
Launched in 1993, this programme was the first biotechnology-related programme in Hong Kong. It aims to groom competent professionals with a balance of generic skills and broad-based knowledge in applied biology and biotechnology. The programme is accredited by the Royal Society of Biology (RSB) and graduates are qualified for membership of RSB. Degree accreditation by the RSB acknowledges academic excellence in the biosciences, and highlights degrees that educate the research and development leaders and innovators of the future.

The option of Secondary Major in Innovation and Entrepreneurship (IE) is available. The BSc (Hons) in Applied Biology with Biotechnology with a Secondary Major in IE has been awarded interim accreditation by the RSB.



BSc (Hons) in Chemical Technology (CT)

Our programme emphasizes the applied, technological, and commercial aspects of chemistry, including pharmaceutical advancements, functional materials design, molecular architecture development, and the integration of environmental, social, and corporate governance (ESG). It offers a broad and rigorous education in contemporary chemistry, encompassing modern materials science, environmental concerns, and training in laboratory practices. Graduates of this programme are qualified for membership in the Hong Kong Chemical Society (HKCS) and the Royal Society of Chemistry (RSC).



BSc (Hons) in Analytical Sciences for Testing and Certification (ASTC) (12456)

(Articulation Programme for Local Senior Year Admissions)

Designed for holders of Associate Degree/ Higher Diploma in science disciplines, this articulation programme aims to nurture competent professionals for chemical analysis as well as accreditation officers, which are currently in strong demand in the local testing and certification industry.



Programme Details

 <https://polyu.hk/sMjtM>

Enquiry

@ enquiry.abct@polyu.edu.hk

Taught Master's Degree Programmes

After obtaining a Bachelor's Degree, graduates can continue to strive for further study in our Master's Degree Programmes:

MSc in Sustainable Technology for Carbon Neutrality (12060), Mixed-mode (Full-time/ Part-time)

As the first master's level programme in Hong Kong specializing in the science and technology for carbon management and mitigation, this programme is a 1-year full-time or 2-year part-time taught postgraduate programme.

This programme aims to provide a systematic hands-on training to tackle challenging and dynamic global issues related to carbon auditing, green financing, carbon management and sustainable/ renewable energy. Such training will enable graduates to meet the increasing local and national demand for qualified professionals in the field of carbon neutrality.

Recognition

The syllabi for subjects related to carbon auditing, carbon footprint assessment, GHG inventory, GHG reporting, and other relevant topics are based on the latest ISO standards. Students can earn three professional certificates in GHG management:



1. SGS Certificate of ISO 14064 Quantification and Reporting of Greenhouse Gas Emissions and Removals at Organization Level Implementation Training Course
2. SGS Certificate of ISO 14067 Quantification and Reporting of Carbon Footprint of Products (Goods & Services) Training Course
3. SGS Certificate of Principles and Methodologies for Carbon Neutrality

Graduates will meet the academic, work experience, training, and examination requirements for registration as Registered GHG Carbon Auditors with the Hong Kong Institution of Certified Auditors (HKICA).

Prospects

Graduates of the programme have excellent job prospects, with potential careers in the areas of corporate sustainability management, ESG consultancy and green finance in the finance sector. They may hold titles such as Compliance Officer, Sustainability Manager/ Executive, and Sustainability Consultant/ Analyst/ Specialist.

MSc in Biopharmaceutical Development and Commercialization (12062), Mixed-mode (Full-time/ Part-time)

The biopharmaceutical industry is at the forefront of medical innovation, offering transformative therapies for unmet medical needs. As this sector rapidly evolves, there is a pressing demand for professionals skilled in biopharmaceutical development and commercialization. This programme aims to bridge the current educational gap, providing a comprehensive curriculum that merges scientific, business, regulatory, and ethical aspects of the biopharmaceutical landscape.

Prospects

Graduates of the programme have potential career opportunities in the biopharmaceutical field. Hong Kong is fostering a vibrant ecosystem for biotech startups, offering significant funding and growth prospects. This is an opportune moment to enter the biopharmaceutical industry. Graduates are well-equipped for roles in research, regulatory affairs, quality control, and business development, making them versatile and highly employable in this expanding field.

Enquiry

@ (12060) msc.carbonneutrality@polyu.edu.hk

@ (12062) msc.bdc@polyu.edu.hk



Programme Details

<https://polyu.hk/BnDjy>



Website

<https://www.polyu.edu.hk/abct/>



DEPARTMENT OF
APPLIED BIOLOGY AND
CHEMICAL TECHNOLOGY
應用生物及化學科技學系



About the Department

The **Department of Applied Physics (AP)** was founded in 1987, and we are devoted to becoming a world-leading physics department. We brought in high-calibre scholars and researchers with diverse expertise to enrich our curriculum and scientific innovations. We focus on the development of cutting-edge technologies such as new materials, renewable energy, catalysis, artificial intelligence, and optoelectronics. We ranked the first amongst all physics departments in Hong Kong for the percentage of “world-leading” research work, according to the Research Assessment Exercise (RAE) 2020 of the University Grants Committee (UGC).

Career Prospects

A degree in physics opens the door to a broad range of career choices. AP graduates are serving the society in key positions and have made significant contributions to the development of Hong Kong.

Tech-related: Data Scientist, AI Software Engineer, System Architect, System Analyst, Analyst Programmer, IT Consultant

Industry-related: Technology Consultant, Engineer, System Developer

Medical Services-related: Medical Physicist, Lab Manager, Quantitative Researcher

Research & Development-related: Researcher, Materials Engineer, R&D Engineer, Scientific/ Technology Officer

Financial Services-related: Quantitative Researcher, Data Scientist, Quant Developer

Education-related: Teacher, Instructor, Teaching Assistant

Graduates may also choose to further their academic pathway and pursue postgraduate studies in local or overseas universities.

Alumni Sharing

Hui Yeung-yu, Edwin

Graduate from the Department of Applied Physics;

Former Director of DreamsAI Limited;

Director of Big Data in the Network Department (Technology & Innovation Department), China Unicom Global

During my BSc and PhD programmes in AP, I developed critical thinking and problem-solving skills that have been invaluable in addressing everyday challenges and founding DreamsAI. DreamsAI is a pioneering startup specializing in Robotic Process Automation (RPA), an AI technology that streamlines business processes by mimicking human actions within digital systems.

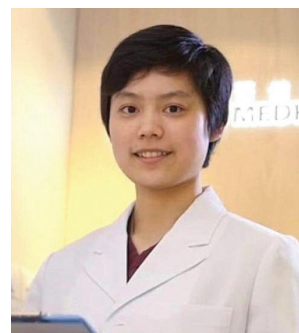
Currently, I serve as the Director of Big Data within the Network Department (Technology & Innovation Department) at China Unicom Global. In this role, I lead the development of comprehensive AI solutions. By advancing technologies from large language models to multimodal systems, I aim to position China Unicom as a leader in innovative AI applications that drive high-quality growth across various industries. I invite you to join AP and embark on a transformative educational journey that will equip you with the skills to excel in your future career.



Tsoi Lai-wing, Coco

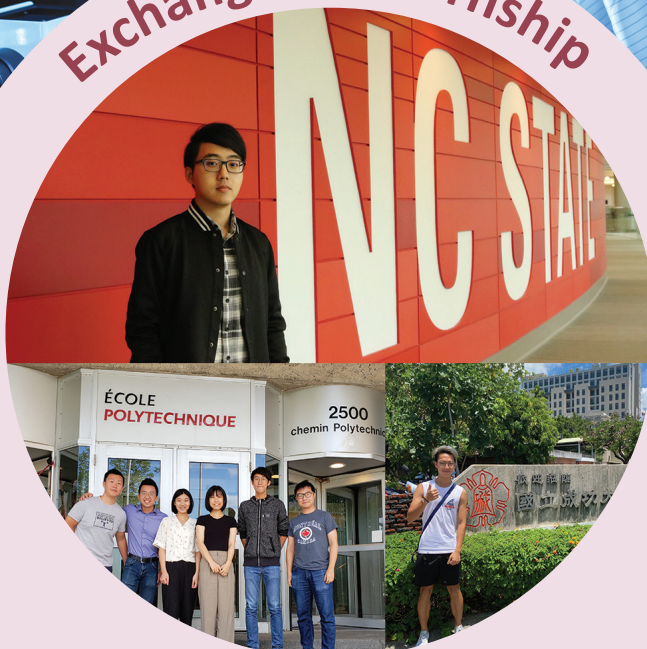
Graduate from the Department of Applied Physics; Deputy Manager, MedHealth Diagnostic MRI Centre

Stepping into a field that we never explore when we were students is never easy. Being a physicist in the medical field is definitely one of the biggest challenges in my life. The programme equips us with the mindsets of both scientists and engineers. Scientists' curiosity pushes me to keep exploring my own field while engineers' analytical mindset allows me to think independently and solve problems during my career. The soft skills I learnt allow me to face different challenges and provide me with competitive edges no matter which field I am involved in.





Exchange & Internship



Exchange

- University of Sydney, Australia
- McGill University, Canada
- University of Waterloo, Canada
- The Institut National des Sciences Appliquées de Lyon, France
- Technical University of Munich, Germany
- Nagoya University, Japan
- National University of Singapore, Singapore
- University of Birmingham, UK
- University of Liverpool, UK
- Case Western Reserve University, USA
- North Carolina State University, USA

Overseas Internship

- Mitacs Globalink Research Internship, Canada
- Polytechnique Montreal, Canada
- China Merchants Bank, China
- Bundesanstalt fuer Materialforschung und -pruefung (BAM), Germany
- Helmholtz-Zentrum Dresden-Rossendorf, Germany
- Cracow University of Technology, Poland
- National Cheng Kung University, Taiwan

Local internship

- Able Trillion
- Centre Testing International
- Chun Ling Engineering Limited
- Fresh Up Group Limited
- Hohenstein Laboratories (HK) Limited
- Interactive System & Technologies Limited
- Intertek Hong Kong
- Kam Tak Electrical Engineering Company Limited
- Linked-Technologies Limited
- Mimosas Solution Limited
- Mrs Cooky Limited
- Nano and Advanced Materials Institute (NAMI)
- Seedland Solutions Limited
- Sotera Rail Service Ltd
- ST Engineering Infa Systems Limited
- Sun On Engineering Co Ltd
- The Council of the Hong Kong Laureate Forum
- W3 Corporate Limited

Bachelor's Degree Programmes

BSc (Hons) in Physics with a Secondary Major in Artificial Intelligence and Data Analytics (AIDA)/ Innovation and Entrepreneurship (IE) (JS3030)

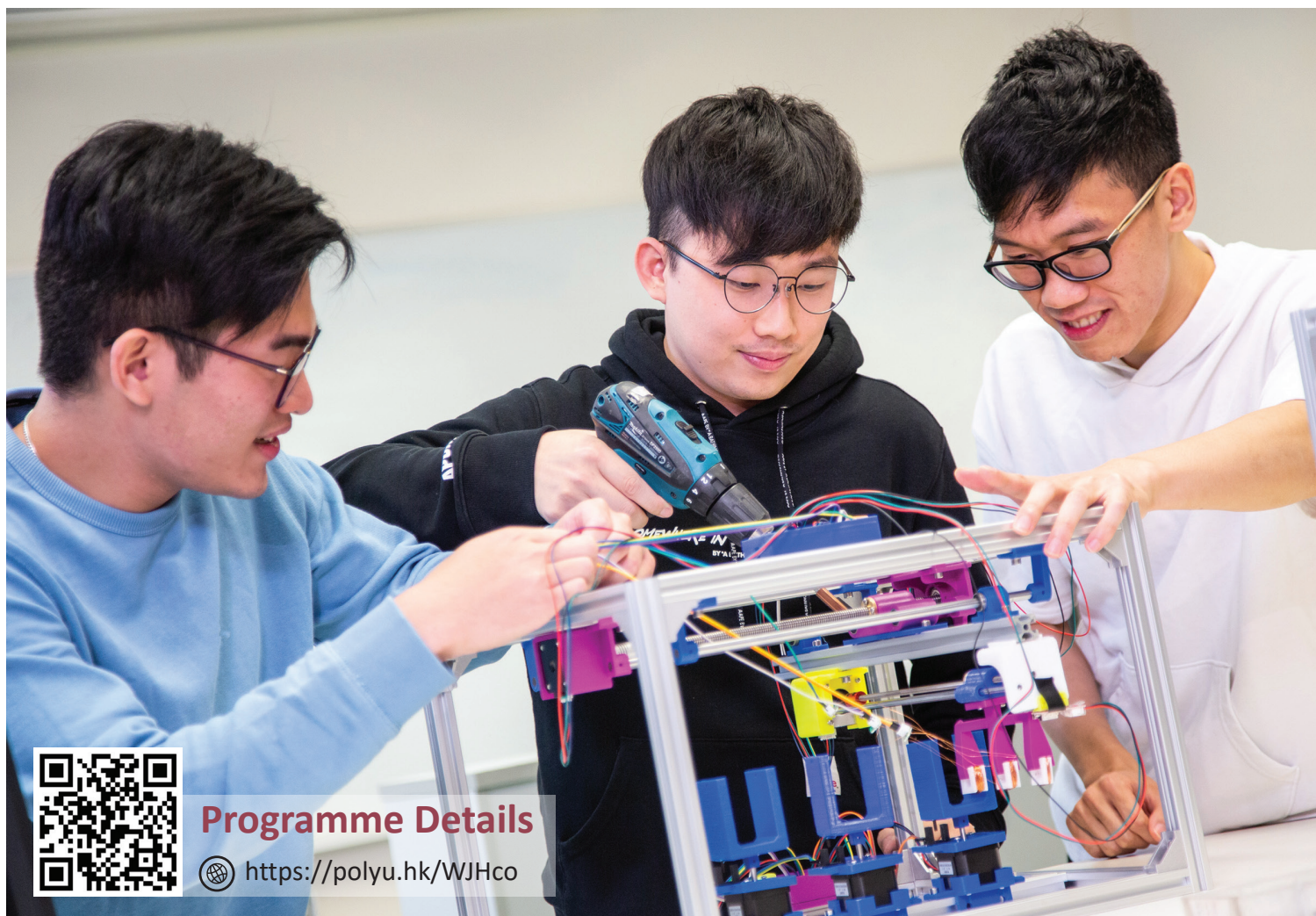
Students will be awarded both the Major and the Secondary Major awards upon the successful completion of the graduation requirements concerned.

BSc (Hons) in Physics with a Secondary Major in Artificial Intelligence and Data Analytics (AIDA)


Students will be exposed to both fundamental and applied physics topics, as well as concepts in AI and data analytics. The infusion of the two disciplines throughout the curriculum down to subject levels consolidates students' learning, providing them with a competitive edge in the upcoming wave of technology development. The diverse range of topics covered in the curriculum include data analytics, machine learning, programming, neural networks, optical design with AI, smart sensors, and medical physics.

BSc (Hons) in Physics with a Secondary Major in Innovation and Entrepreneurship (IE)

The diversified curriculum covers fundamental and applied physics, innovation and business. A major highlight is the extended internship training in major technology enterprises or start-ups, providing golden opportunities for nurturing future innovation leaders. The diverse range of topics covered in the curriculum include materials science, smart sensors, scientific instrumentation, etc. Besides, students will learn practical business skills such as project planning and risk analysis.



Programme Details

 <https://polyu.hk/WJHco>

Taught Master's Degree Programme

After obtaining a Bachelor's Degree, graduates can continue to strive for further study in our Master's Degree Programme:

MSc in Microelectronics Technology and Materials (11044), Full-time

This programme is designed to nurture high-calibre talents with knowledge and hands-on skills for the development of the booming microelectronics industry.

Based on the expertise of the Department in device physics and materials research, the one-year programme provides students with unique and professional-oriented education in the process flow of microelectronics and integrated circuit design, simulation, fabrication and processing, characterization, and inspection.

Recognition & Prospects

This programme provides extensive training for physicists and engineers to meet the national, regional and local demand for talents in the microelectronics industry. The programme is tailor-made to nurture expertise in integrated circuit design and manufacturing, in line with the national policy to support the development of scientific research and advanced manufacturing. This policy is strongly supported by local policies in Hong Kong and the Greater Bay Area, guaranteeing the career prospects of our graduates.

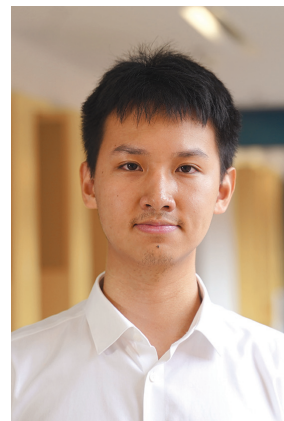


Alumni Sharing

Liang Jiajun, Neil

Graduate of MSc in Microelectronics Technology and Materials; Data Analyst, Aifin Technology Co., Limited

Hong Kong stands out as a unique international hub, and PolyU is well-known around the world for its exceptional faculty, cutting-edge laboratory facilities, and valuable learning experiences. This combination gives my classmates and me a competitive advantage after graduation, equipping us with the skills and knowledge to excel in our careers. As a result, I have decided to pursue my master's degree in Microelectronics Technology and Materials in the Department of Applied Physics at PolyU. This programme will not only provide me with a solid foundation in the technical aspects of microelectronics but also expose me to the latest advancements and trends in the industry. Furthermore, I anticipate that studying here will lead to higher starting salaries, better working environments, and clearer paths for career advancement compared to my peers in mainland China. Overall, I view this journey as an important step toward reaching my long-term career goals in the fast-changing field of microelectronics.



Enquiry

@ apdept@polyu.edu.hk



Website

 <https://www.polyu.edu.hk/ap/>



Programme Details

 <https://polyu.hk/YCjaI>



Department of Applied Physics
應用物理學系



About the Department

The **Department of Food Science and Nutrition (FSN)**, newly established in January 2023, aims at meeting the requirements of the growing public awareness of food sustainability and safety based on the key pillars of Food Safety, Food Technology, Human Nutrition and Chinese Medicine. We focus on creating societal impacts, training professional talents, leading innovative research, and facilitating knowledge transfer for better public health and well-being of mankind in the Food Science and Nutrition industry.

Career Prospects

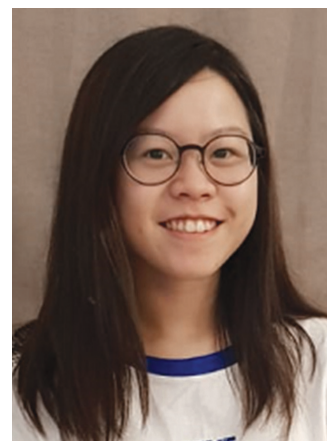
There is a significant demand for skilled and knowledgeable food scientists and nutritionists in the food, nutrition, and healthcare industries, both locally and internationally. Graduates with a degree in Food Science and Nutrition have a wide array of career opportunities available to them. They can pursue roles in food quality and hygiene management, engage in product research and development within commercial sectors, or serve as health inspectors for government agency. Additionally, they can work in public and non-governmental organizations as community nutritionists, public health nutritionists, or food industry specialists. For those interested in furthering their expertise, postgraduate studies at PolyU or other universities offer an excellent pathway to deepen their knowledge and advance their careers.

Alumni Sharing

Chan Ka-yue

Graduate of BSc (Hons) in Food Safety and Technology

The Food Safety and Technology (FST) programme meets the global priority of education in food safety, health, and sustainable food development. Studying the FST programme taught me numerous soft skills to prepare myself for employment, from logical and critical thinking to team building and time management. Learning and networking online amid the pandemic enabled me to develop effective communication skills and to better connect with my peers and industry professionals. These skills are invaluable in any workplace. Back when I was a student, I represented PolyU to participate in the Lee Kum Kee Cup Student Innovation Competition and this experience sparked my interest in food innovation and inspired me to devote myself to developing new food products that benefit the health of the global community.



Zhang Xiaoxu

Graduate of BSc (Hons) in Food Safety and Technology

With a keen interest in chemistry and the growing concern about food safety, I chose to study the Food Safety and Technology (FST) programme at PolyU. My learning experience was amazing and memorable, providing me with extensive knowledge in nutrition, microbiology, analytical chemistry, and biochemistry. This gave me a professional perspective on food-related issues. Numerous internship opportunities offered by the University allowed me to work as a Student Assistant, access laboratory equipment, and conduct experiments, enhancing my practical skills. With support from supervisors and academic staff, I deepened my interest in analytical chemistry, establishing a strong foundation for my future. Additionally, the friendships and support from lecturers, tutors, and classmates made my time in the department truly enjoyable.



Exchange & Internship



Exchange

- Universiti Brunei Darussalam, Brunei
- Jiangnan University, China
- National University of Singapore, Singapore
- National Tsing Hua University, Taiwan
- Purdue University, UK
- University of Cambridge, UK
- University of Leeds, UK
- The University of Maryland, USA

Overseas Internship

- University of Manitoba, Canada
- Shibaura Institute of Technology, Japan
- Griffins Food Limited, New Zealand
- AGH University of Science and Technology, Poland
- George Mason University, USA

Local internship

- | | |
|---|------------------------------------|
| ○ Agriculture, Fisheries and Conservation Department (AFCD) | ○ Gate Gourmet |
| ○ ALS Hong Kong | ○ Glaxosmithkline (GSK) |
| ○ Amoy Food | ○ Heleon |
| ○ Bo InnoHealth | ○ Hyatt Regency Hong Kong (Shatin) |
| ○ Campbell Foods HK Limited | ○ Multizen Asia Limited |
| ○ Castco Testing Centre Limited | ○ Mushroom Innovation Tech Limited |
| ○ CATALO Natural Health Food Limited | ○ SGS |
| ○ City Super Limited | ○ Soqqle Hong Kong Limited |
| ○ Danone Nutricia Early Life Nutrition (Hong Kong) Limited | ○ Tam Jai International |
| ○ Ecolab | ○ Vita Green |
| ○ Eurofins Food Testing Hong Kong Limited | ○ Vitasoy |

Bachelor's Degree Programmes

BSc (Hons) Scheme in Food Science and Nutrition (JS3255) *New*

The following two programmes are offered under the above scheme:

BSc (Hons) in Food Safety and Technology (FST)[#]

This programme aims to equip students with scientific and engineering skills to understand, characterise and manipulate food for various applications. Diverse and intricate training develops students into all-round competitive graduates benchmarking international programmes in terms of professional knowledge, communication skills, intellectual curiosity and social responsibility. The programme emphasises analytical and critical thinking abilities, creativity, problem-solving skills, teamwork and global outlook.

This programme is accredited to undergraduate degree standards by both the Institute of Food Technologists (IFT) and the International Union of Food Science and Technology (IUFoST).



[#] The option of Secondary Major in Innovation and Entrepreneurship (IE) is available.

BSc (Hons) in Human Nutrition and Health (HNH)* *New* / BSc (Hons) in Human Nutrition and Health (Nutrition in Practice) (NIP)* *New*

This programme provides a thorough understanding of human nutrition and its pivotal role in health and disease prevention. Students will learn the biological, physiological, and biochemical aspects of nutrition, gaining skills to assess, plan, and implement interventions for individuals and communities. The curriculum also explores social, cultural, and environmental factors affecting dietary behaviors. Emphasizing evidence-based practice and scientific research, the programme develops students' communication and interpersonal skills for working with diverse populations to promote healthy lifestyles and prevent nutrition-related diseases.

Students who opted BSc (Hons) in Human Nutrition and Health and fulfilled additional requirements may apply for entering BSc (Hons) in Human Nutrition and Health (Nutrition in Practice), which places a greater emphasis on human health, nutritional practice, and communication skills, preparing students to pursue nutritionist registration at the UK Voluntary Register of Nutritionists (UKVRN).

* The programme is subject to approval.



Programme Details

 <https://polyu.hk/YWSTT>

Enquiry

@ fsn.programme@polyu.edu.hk

Taught Postgraduate Programmes

After obtaining a Bachelor's Degree or higher qualifications, graduates can continue to strive for further study in our Taught Postgraduate Programmes:

MSc in Global Food Safety Management and Risk Analysis (15057), Mixed-mode (Full-time/ Part-time)

This programme aims to offer unique and professionally oriented training in food safety management and risk analysis with a global perspective. It is designed for graduates in food science and technology, as well as individuals currently working in the food industry, providing them with advanced knowledge of the hazards affecting food safety. The training will be conducted by local and international speakers from major food industry enterprises, including those from Mainland China, Australia, the UK and the USA.

MSc in Nutrition and Healthy Ageing (15058-MFT/ MPT), Mixed-mode (Full-time/ Part-time)

MSc in Nutrition and Healthy Ageing (Nutrition in Practice) (15058-NPF/ NPP), Mixed-mode (Full-time/ Part-time)

These two programmes produce well-trained nutritionists for the needs and benefits of the community, especially for the elderly service. It provides a deeper insight to students to provide health education in Hong Kong, while taking up the responsibility to promote human health towards optimal nutritional status and disease prevention. While MSc in Nutrition and Healthy Ageing offers one practicum subject and professional training on nutrition and healthy ageing, the specialism in Nutrition in Practice emphasizes the practice of nutrition and offers two practicum subjects. Students studying this specialism are required to comply with the Fitness to Practice Policy.

MSc in Dietetics (15060), Full-time* *New*

This programme offers advanced education in dietetics, blending rigorous coursework with practical training in clinical, community, and food service settings. It covers dietetics science and practice, including medical nutrition therapy, nutritional assessment, and dietetic counselling. Placements will be divided into three phases across the food and catering industry, and community health settings such as nursing homes, and hospitals. The curriculum design is based on the accreditation requirements from local and overseas professional bodies.

* The programme is subject to approval.

Doctor in Food Science and Management (15059), Mixed-mode (Full-time/ Part-time)

This programme addresses the evolving needs of the food industry by integrating food and nutritional sciences with industry management, promoting innovation, sustainability, and responsible practices. Designed for professionals seeking career advancement and contributing to a healthier food ecosystem, DFSM holders will demonstrate their ability to innovate within the industry. This programme equips professionals with advanced scientific knowledge and management skills, fostering innovative thinking, ethical decision-making, and strategic leadership. Graduates will drive positive changes in sustainable sourcing, production, responsible marketing, and consumer education, while adeptly navigating diverse cultural and regulatory environments globally.

Enquiry

@ (15057) msc.foodsafety@polyu.edu.hk

@ (15058) msc.healthyageing@polyu.edu.hk

@ (15059) fsn.dfsm@polyu.edu.hk

@ (15060) msc.dietetics@polyu.edu.hk



Programme Details

 <https://polyu.hk/cVyXx>



**Connect
with
FSN**



Department of
Food Science and Nutrition
食品科學及營養學系

Fast-track Integrated Bachelor's and Master's Degree Programmes

Fast-track Integrated Bachelor's and Master's Degree Programmes (Fast-track Programmes) will provide an opportunity for high-achieving students to complete an integrated Bachelor's and Master's degree in a shortened duration and with reduced tuition fee.

Main features of the Fast-track Programmes:

Shorter study duration: Completing an MSc typically takes 1 year for full-time students and 2 years for part-time students, however, a Fast-track Programme requires an additional 0.5 to 1 year beyond the standard length of an undergraduate programme. This allows students to earn both a Bachelor's and a Master's degree in a shortened timeframe.

Lower total study load: Up to 30% of the credit requirements of the Master's programme can be double-counted towards the Bachelor's Degree.

Lower total tuition fee: Students will pay the Ug tuition fee for both Ug and taught postgraduate (TPg) subjects taken during the Ug study, and pay the TPg self-financed fee for the outstanding TPg credits not yet taken during their Ug study.

Fast-track Programmes			
Department	Programme Title	Department	Programme Title
ABCT	BSc (Hons) in Applied Biology with Biotechnology	➡ ABCT	MSc in Biopharmaceutical Development and Commercialization
ABCT	BSc (Hons) in Chemical Technology	➡ ABCT	MSc in Sustainable Technology for Carbon Neutrality
AP	BSc (Hons) in Physics with a Secondary Major in Artificial Intelligence & Data Analytics (AIDA) / Innovation and Entrepreneurship (IE)	➡ HTI	MSc in Medical Physics
FSN	BSc (Hons) in Food Safety and Technology	➡ FSN	MSc in Global Food Safety Management and Risk Analysis

Diverse Support from the Faculty of Science

Sponsorship for Internship Enhancement Programme

The Faculty offers sponsorship for the Internship Enhancement Programme, providing up to HK\$5,000 for local internships and HK\$10,000 for offshore internships. To help students transition to the workplace, the Faculty also organizes pre-internship workshops on CV writing, interview techniques, and AI training, delivered by professional trainers.

Entry Scholarships for Prospective Undergraduate and Taught Postgraduate Students

Admission scholarships are available for prospective Ug and TPg students based on their academic or non-academic excellence. These scholarships are open to both local and international TPg students who demonstrate outstanding academic results, professional qualifications, or notable achievements.



Inspiring the Next Generation of Scientists



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