

Faculty of Science Programme Guide 2026/27



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.



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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

Prof. Leng Kai, Kathy

冷凱教授

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

Programmes We Offer

Bachelor's Degree Scheme in Science (JS3008)

by Faculty of Science

A flexible programme that allows students to explore multiple science disciplines during their first year before choosing their preferred major from the second year and onward.

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

by Department of Applied Biology and Chemical Technology

Focuses on practical application of biological and chemical sciences, preparing students with the knowledge and skills needed for careers in industries such as pharmaceuticals, testing and certification.

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

by Department of Applied Physics

Combines physics with modern fields such as AI, data analytics, and entrepreneurship, preparing students for cutting-edge scientific and business challenges.

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

by Department of Food Science and Nutrition

Emphasizes on the scientific principles of food production, safety, and nutrition, equipping students to meet the growing global demands for sustainable food systems, healthcare, and nutrition expertise.

Navigate Your Academic Journey with Faculty of Science

First Year

All Students will begin with a Faculty Common First-year Curriculum. This includes the General University Requirement (GUR) subjects and tailor-made fundamental subjects, namely Fundamentals of Modern Science, Quantitative Skills and Experimental Design for Scientists, and Science Professionals in Society. The first year is designed to support students from diverse academic backgrounds and provide a solid base for further studies.

Second Year and Onward

After the first year, students in JS3008 and those who wish to transfer will select their preferred major based on a ranking assessment that considers a combination of their entrance qualification scores, Year One GPA, and interview results.

Enquiry

fs.bdss@polyu.edu.hk

Learn More



Discover Your Undergraduate Pathway with the Faculty of Science

The Faculty of Science offers a range of undergraduate programmes designed to help students pursue their scientific interests with flexibility and support. We provide diverse schemes/ programmes that cater to different disciplines of science, allowing students to tailor their studies to fulfill their passions and career goals.

Common Year One Curriculum

1

Major Selection before Year Two Study

2

Bachelor's Degree Scheme Admission

Bachelor's Degree Scheme in Science (JS3008)

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

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



Departmental Scheme-based Admission

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

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

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

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 Applied Biology with Biotechnology

BSc (Hons) in Chemical Technology

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 Human Nutrition and Health / BSc (Hons) in Human Nutrition and Health (Nutrition in Practice)

BSc (Hons) in Food Safety and Technology



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 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)

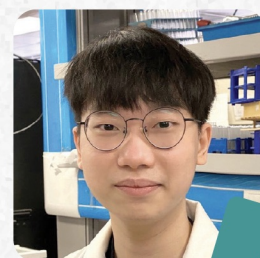


The Applied Biology with Biotechnology (ABB) programme offers various learning opportunities. During my BSc and PhD in ABCT, I travelled to different countries, built connections worldwide, initiated a meaningful social project, and completed a challenging research project. These valuable experiences 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

- 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
- University of Warwick, UK

Basil Khan

Current student of
BSc(Hons) in Applied Biology
with Biotechnology (ABB)

Exchange at
University of Warwick, UK



My semester exchange at the University of Warwick was an incredibly enriching experience that has profoundly impacted both my academic and personal growth. Immersing myself in cutting-edge neuroscience courses was the ultimate boost for my graduate studies, offering deep insights that I could not have gained elsewhere. They have provided me with the platform to apply to top neuroscience programmes around the world with the hope to join a high-achieving lab for my doctoral studies.

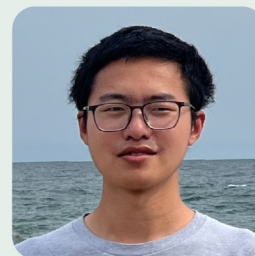
Overseas Internship

- 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

Zhao Qingsen

Current student of
BSc(Hons) in Chemical
Technology (CT)

Internship at
University of Manitoba, Canada



During my 3-month summer internship in Canada, I quickly taught myself the basics of DFT and how to use AMS, a computational chemistry software, using my previous maths-physics foundation. I also learnt how to use linux commands to submit tasks and how to call the software using shell files. I successfully reproduced the data mentioned in my previous thesis and tried different computational methods based on my project and compared their advantages mathematically. After work, I have made a PowerPoint presentation on what I have learnt about computational chemistry and I hope to contribute to the development of teaching and learning in poly related fields!

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Local Internship

ABB

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

CT

- Ecolab Hong Kong
- GSK Hong Kong
- Merck Limited
- Pfizer Corporation Hong Kong Limited
- SGS Hong Kong Limited
- Water Supply Department

ASTC

- Castco Testing Centre Limited
- Civil Engineering and Development Department
- CMA Testing and Certification Laboratories
- Intertek Testing Services Hong Kong Limited
- The Hong Kong Standards and Testing Centre Limited
- TUV Rheinland Hong Kong Limited
- WuXi AppTec (Hong Kong) Limited
- WuXi Biologics Co., Ltd.



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 broadbased 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.

[#] An option in Clinical Laboratory Science Module is available to students of the BSc (Hons) in Applied Biology with Biotechnology.



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).



ACCREDITED
DEGREE


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.



Website

 <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 (1 yr Full-time/ 2 yr 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 (1 yr Full-time / 2 yr 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.




Website

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



Programme Details

 <https://polyu.hk/BnDjy>

Enquiry

(12060) msc.carbonneutrality@polyu.edu.hk
(12062) msc.bdc@polyu.edu.hk

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

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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 of
BSc (Hons) in Engineering 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 of
BSc (Hons) in Engineering 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

- 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
- Koç University, Turkey
- University of Birmingham, UK
- University of Liverpool, UK
- Case Western Reserve University, USA
- North Carolina State University, USA

Mak Laam Sin

Graduate of
BSc (Hons) in Engineering Physics

Exchange at
Koç University, Turkey



Studying abroad at Koç University in Turkey was transformative. I engaged with a vibrant community of diverse students, deepening my cultural understanding. The stimulating academic environment and supportive faculty enhanced my experience. Exploring Turkey's rich history and enjoying the local hospitality made this journey unforgettable. I truly treasure my time there for its unique blend of culture and warmth.

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

Shafayet Yaseen

Graduate of
BSc (Hons) in Engineering Physics

Internship at
**Helmholtz-Zentrum
Dresden-Rossendorf, Germany**

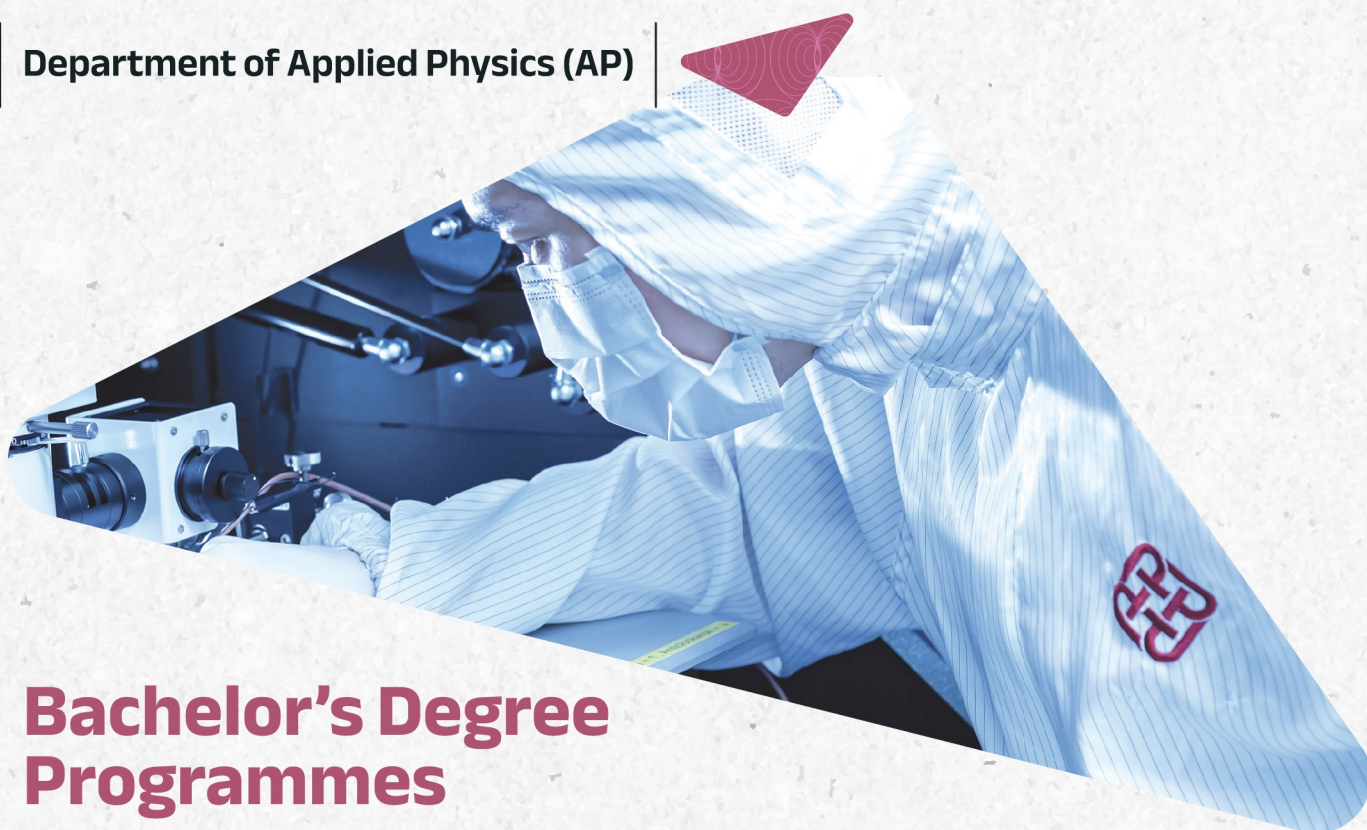


I had the incredible opportunity to intern at Helmholtz Zentrum Dresden Rossendorf in Germany under Professor Arthur Erbe. My work focused on developing novel nano-semiconductor devices without existing experimental methods. Professor Erbe's support was invaluable; his recommendation letter helped my postgraduate application and secured the Erasmus Mundus Scholarship, which is awarded to only 100 students globally each year with a highly selective acceptance rate of 3-5%.

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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.

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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.



Website

 <https://polyu.hk/WJHco>

Taught Master's Degree Programmes

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), 1 yr 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.

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.

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Website

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



Programme Details

 <https://polyu.hk/YCjaJ>

Enquiry

apdept@polyu.edu.hk

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 Yee-ting

Graduate of BSc (Hons) in
Food Safety and Technology



The Food Safety and Technology programme (FST) aligns with the industry's stringent requirement of food safety and food product development. Lots of internship opportunities are offered to students to inspire students' interest in food innovation. Participating in the Campbell Food Limited, basic sensory testing technique and food developing progress were comprehensively practiced. Beside acknowledging technical skills, I gained theoretical knowledge ranging from food microbiology, food analysis to food quality assurance. The curriculum is strategically structured to integrate classroom instruction with laboratory exercises, affording students the opportunity to investigate different bacteria, food component testing methods, and product control measures. Also, the program places a strong emphasis on the cultivation of soft skills. For time management and cooperation, balancing the workload of projects in program and extra-curricular activities in school's volunteering society can equip me with the interpersonal skills vital for a prosperous career. I am honored to have graduated from PolyU and the FST program.

Cecilia Lim

Graduate of BSc (Hons) in
Food Safety and Technology



Having recently completed my bachelor's degree in food safety and technology, I can truly say the skills and experiences provided to me by the programme have allowed me to develop into a confident student and researcher - something I believe was a result of the support and encouragement of the lecturers and their passion for their teachings. FST is a very interesting programme that touches almost all subjects. It uses the information generated from food science in the selection, preservation, processing, packaging, and distribution, as it affects the consumption of safe, wholesome, and nutritious food. Not to mention, I also get the chance to apply the acquired knowledge during my internships which I took during the summer break. I learned that Food Safety and Technology is very useful especially in today's society where issues concerning food security and food safety are becoming rampant.



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

Chan Cheuk-tung, Venus

Current student of
BSc(Hons) in Food Safety and
Technology

Exchange at
**National University of Singapore,
Singapore**

The exchange has been one of the most transformative experiences of my academic journey and has allowed me to experience life differently. The courses I took were intellectually challenging and pushed me to think critically. The field trips in ecology class allowed students to not only focus on the words but also immerse themselves in the real world. Overall, I was humbled after this adventure, the challenges of adapting to a new environment, managing my studies, and navigating cultural differences taught me resilience and adaptability. I am grateful for the chance to have this memorable journey.



Overseas Internship

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

Wong Tsz-ho, Hobie

Current student of
BSc(Hons) in Food Safety and
Technology

Internship at
Hits Global, Spain

I gained hands-on experience in food industry marketing, analyzed industry trends, and evaluated competitor strategies within the food startup sector. I participated in real-world projects, engaged with mentors, and learned advanced production methods from company leaders. This hands-on experience gave me practical skills, industry insights, and professional growth, making it an invaluable part of my university journey.

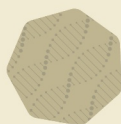


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Local Internship

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





Bachelor's Degree Programmes

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

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).




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

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).



Website

 <https://polyu.hk/XRtai>

Enquiry

fsn.programme@polyu.edu.hk



Taught Master's Degree 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 (1 yr Full-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), Mixed mode (1 yr Full-time) / MSc in Nutrition and Healthy Ageing (Nutrition in Practice) (15058-NPF), Mixed-mode (1 yr Full-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 accredited by the UK Association for Nutrition 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), 2 yr Full-time

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, community centers, nursing homes, and hospitals. The curriculum design is based on the accreditation requirements from local and overseas professional bodies.

Doctor in Food Science and Management (15059), Mixed-mode (3 yr Full-time)

The Doctor in Food Science and Management (DFSM) 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.


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Connect with FSN



Programme Details

 <https://polyu.hk/cVyXx>

Enquiry

(15057) msc.foodsafety@polyu.edu.hk
(15058) msc.healthyeageing@polyu.edu.hk
(15059) fsn.dfsm@polyu.edu.hk
(15060) msc.dietetics@polyu.edu.hk

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

Provide an opportunity for high-achieving students to complete an integrated Bachelor's and Master's degree

Benefits

Shorter Study Duration

Students can complete their Bachelor's and Master's degrees in a shorter study period

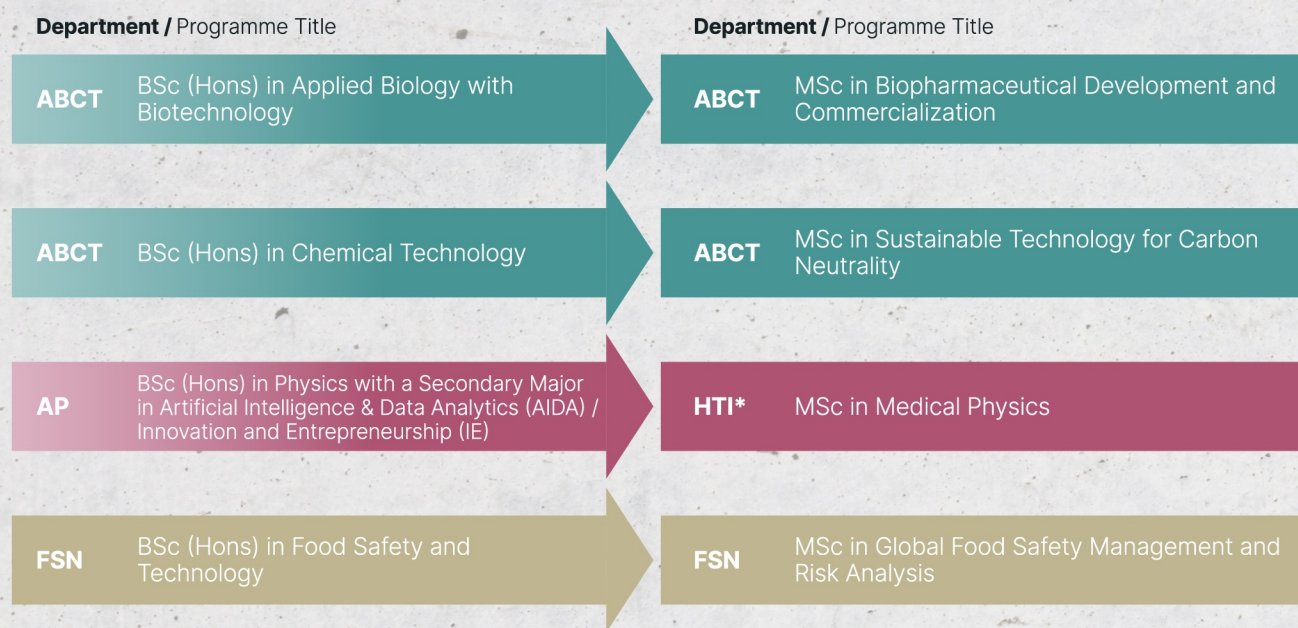
Lower Total Study Load

Up to 30% credits can be double-counted in both Master's and Bachelor's degree programmes

Lower Total Tuition Fee

Student can take partial Master's degree subjects during Bachelor's degree study with no additional cost

Fast-track Programmes



*Department of Health Technology and Informatics

Diverse Support from the Faculty of Science

Entry Scholarships

- Based on academic or non-academic excellence, professional qualifications, or notable achievements

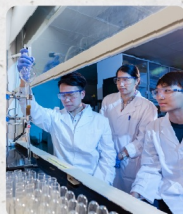
Internship Sponsorship and Support

- For local internships and offshore internships
- Pre-internship workshops on CV writing, interview techniques, and AI training

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Applicants are advised to visit Academic Registry's website
www.polyu.edu.hk/study for the latest information.



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