Department of Biomedical Sciences
生物醫學系

AT A GLANCE
established in 2014 JANUARY

25 academic staff

380 undergraduates

200 postgraduates

BSc in Biological Sciences
理學士（生物科學）

BSc in Biomedical Sciences
理學士（生物醫學）

MSc in Health Sciences & Management
理學碩士（健康科學與管理）

MPhil 哲學碩士

PhD 哲學博士

CITYU BMS

RESEARCH FOCUSES

- cancer biology & therapy
- geonomics & bioinformatics
- vascular, metabolic & regenerative biology
- infectious diseases & immunity
Department of Biomedical Sciences

**ADMISSION ROUTES**

[JUPAS APPLICANTS]

- Department-based Admissions
  - JS1805 Department of Biomedical Sciences
    - Major Allocation after one year study (Semester A & B)
    - Options: BSc Biological Sciences, BSc Biomedical Sciences
  - JS1806 BSc Biological Sciences
  - JS1807 BSc Biomedical Sciences

[DIRECT APPLICANTS]

- Department-based Admissions
- Major-based Admissions

- 1805 Department of Biomedical Sciences
  - Major Allocation after one year study (Semester A & B)
  - Options: BSc Biological Sciences, BSc Biomedical Sciences

- 1701A BSc Biological Sciences
  - Advanced Standing Entry

- 1806 BSc Biological Sciences
- 1807 BSc Biomedical Sciences

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For further details of entrance requirements and application procedures, please visit the website of our Admission Office: [www.admo.cityu.edu.hk](http://www.admo.cityu.edu.hk)
Department of Biomedical Sciences

OVERSEAS LEARNING
› Student exchange programme
› Study tour

ON-CAMPUS LEARNING
› Campus Internship Scheme (CIS)
› Student helper scheme
› Faculty-student gathering
› Student mentoring scheme

CAREER PREPARATION & INTERNSHIP
› Clinical attachments (local/overseas medical labs & hospitals)
› Career talks
Department of Biomedical Sciences

CAREER PROSPECTS

MEDICAL & HEALTH SERVICES

› Diagnostics sector in medical and health industries
› Medical devices sector in the health industries
› Pharmaceutical and laboratory instrumentation industries

MANAGEMENT & CONSULTANT

› Product marketing and sales
› Consultancy services
› Laboratory management
› Clinical trials management

GOVERNMENT

› Environmental Protection Department
› Environment and Ecology Bureau and Health Bureau
› Agriculture, Fisheries and Conservation Department

EDUCATION & RESEARCH

› Teaching staff in universities
› Principal investigators in universities and non-profit research institutes
› Scientists/researchers in pharmaceutical and biotech research and development (R&D) industries

OTHERS

› Patent law firms
› Public health
› Journalism

www.cityu.edu.hk/bms
DEPARTMENT OF
BIOMEDICAL SCIENCES

Bachelor of Science in
Biological Sciences

Bachelor of Science in
Biomedical Sciences
This Biological Sciences major aims to nurture students to embark on professional, education, scientific or technical career after graduation. We provide a rigorous, broad-spectrum curriculum combined with specialisation in major fields of biology such as cancer biology, nanobiotechnology, neurobiology and ecology. The programme presents an in-depth study of modern biology, with courses ranging from bioinformatics to biochemistry, genetics and cellular molecular biology. It provides a thorough understanding of how science is done with state-of-the-art equipment in laboratory for students interested in research and other science-based careers.
Despite having always been interested in biology and wanting to delve further into the fascinating world of biological sciences, I was initially unsure about what aspect of biology interested me most to pursue as a career pathway. Here as part of the BISI programme at CityU, I have had the incomparable opportunity to explore a range of biology-related fields. Moreover, from the interactive lab sessions to the group projects in several of my major courses, I have been encouraged to work in a unique set of circumstances with a diverse group of individuals. And despite the thorough coverage of the curriculum, I am grateful that I still had option to allocate time to and take up a minor programme alongside. I also feel that the opportunities the BMS department provides are limitless and highly useful if pursued. I have had two internships, as part of the Global Work Attachment Programme Scheme and the ITC STEM Internship Programme, both of which were opportunities communicated to me by my department. These were crucial in my ascertaining of the career pathway I would like to pursue. Having the opportunity to study something I enjoy, in a city that fascinates me every day with its diversity and vibrancy has been an experience I would not give up for anything!
This Biomedical Sciences major emphasises the integration of fundamental knowledge in biomedical sciences with investigative skills and state-of-the-art technologies to enable students to understand the causes, diagnoses and treatments of human disorders and disease. The programme is designed to prepare graduates for employment in biomedical research, medical device and diagnostics, and biotech and pharmaceutical industries. Our unique industry-informed curriculum provides students with extensive exposure to medical laboratory technology and modern biotechnology, and applied research and clinical/industrial training opportunities through our strategic partnership with the healthcare and medical laboratory sectors and biotech and pharmaceutical industries.
Back in my freshman year, I worried a lot about my university life. While adapting to a new environment was already frustrating, we also had to face the severe challenges from COVID-19. I ended up spending the first year attending purely online lessons and, thankfully, two lab sections that were conducted face-to-face. Despite the depressing situation, the learning experience in BMS programme goes far beyond my expectations. I am impressed by the interactive learning atmosphere of the university. Tutors promote self-directed learning and inspire innovative thinking. They encourage students to discuss matters with them and are open to questions. Moreover, most students are self-motivated learners that always stay curious. They are friendly and generous in helping one another as well. In short, I would say that CityU BMS is a fulfilling programme. Handling individual assignments, group presentations, lab practical, internships etc., have provided me with a diverse learning experiences. Throughout my study journey, I am well-equipped with professional medical knowledge, laboratory techniques, and even some valuable soft skills. I sincerely believe that all the takeaways from BMS will pave the way for better career paths for students.

CHING Kwong Kwan
(Year 3, BMS major)
CAREER PROSPECTS

MEDICAL & HEALTH SERVICES

- Diagnostics sector in medical and health industries
- Medical devices sector in the health industries
- Pharmaceutical and laboratory instrumentation industries

MANAGEMENT & CONSULTANT

- Product marketing and sales
- Consultancy services
- Laboratory management
- Clinical trials management

EDUCATION & RESEARCH

- Teaching staff in universities
- Principal investigators in universities and non-profit research institutes
- Scientists/researchers in pharmaceutical and biotech research and development (R&D) industries

GOVERNMENT

- Environmental Protection Department
- Environment and Ecology Bureau and Health Bureau
- Agriculture, Fisheries and Conservation Department

OTHERS

- Patent law firms
- Public health
- Journalism
JUPAS APPLICATIONS

JUPAS applicants may apply for admission to the Department of Biomedical Sciences with an undeclared major or admission to a major.

DEPARTMENT-BASED (WITH UNDECLARED MAJOR)

JS1805 Department of Biomedical Sciences
Options BSc Biological Sciences, BSc Biomedical Sciences
Major will be allocated to students after their first year of study (Semester A and B)

MAJOR-BASED

JS1806 BSc Biological Sciences
JS1807 BSc Biomedical Sciences

DIRECT APPLICATIONS

Depending on applicants' entry qualifications, they may apply for admission to first-year studies or admission with Advanced Standing for a Degree Programme in the Department of Biomedical Sciences.

DEPARTMENT-BASED (WITH UNDECLARED MAJOR)

1805 Department of Biomedical Sciences
Options BSc Biological Sciences, BSc Biomedical Sciences
Major will be allocated to students after their first year of study (Semester A and B)

MAJOR-BASED

1701A BSc Biological Sciences (Advanced Standing I)
1806 BSc Biological Sciences
1807 BSc Biomedical Sciences

For further details of entrance requirements and application procedures, please visit the website of our Admission Office:
www.admo.cityu.edu.hk
OUR GRADUATES

My decision to join Dr Kiwon Ban’s research team in my second year of study has been one of the best decisions of my life! The experiences I have gained from all these events helped shape my personality, allowing me to pursue my dream of becoming a scientist. I am hoping that our new schoolmates can also discover their own interests at CityU and become a well-rounded future star! I am studying a master’s programme in the Department of Biomedical Sciences now.

LIEM Yuen Kei (BISI)

After graduated with a BSc in Biomedical Sciences, I have registered to be a Medical Laboratory Technologist (MLT) in Hong Kong with Part II registration license. Now, I am working in clinical lab of Queen Elizabeth Hospital. Majoring in BMS enables me to develop fundamental knowledges and solid concepts in basic human pathology and medical laboratory sciences. Also, I have gained hand-on experiences in the basic operations of diagnostic lab through the practical labs in the university, and the 12-week clinical attachment in two local hospitals arranged under this programme. Those experiences and knowledge have geared me up well by preparing the essential skillsets to work as a MLT in clinical setting, as well as pursuing further study in healthcare discipline.

SHING Ho Kei Kelvin (BMS)