

Jockey Club College of Veterinary Medicine and Life Sciences

賽馬會動物醫學及生命科學院

Department of Biomedical Sciences

生物醫學系



香港城市大學
City University of Hong Kong

Bachelor of Science in Biological Sciences

理學士(生物科學)

Bachelor of Science in Biomedical Sciences

理學士(生物醫學)



Student Handbook
2021-2022

Student Handbook for 2021 cohort

TABLE OF CONTENTS

| | | |
|------|---------------------------------------------------------------------|----|
| 1. | INTRODUCTION | 1 |
| 2. | DEPARTMENT OF BIOMEDICAL SCIENCES | 1 |
| 3. | MAJOR ALLOCATION FOR 4-YEAR DEGREE STUDENTS (UNDECLARED MAJOR)..... | 1 |
| 4. | BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCES | 2 |
| 4.1 | Programme Specification..... | 2 |
| 4.2 | Programme Rationale, Aims and Objectives..... | 2 |
| 4.3 | Learning Outcomes..... | 2 |
| 4.4 | Programme Leader and Deputy Programme Leaders..... | 2 |
| 5. | BACHELOR OF SCIENCE IN BIOMEDICAL SCIENCES..... | 3 |
| 5.1 | Programme Specification..... | 3 |
| 5.2 | Programme Rationale, Aims and Objectives..... | 3 |
| 5.3 | Learning Outcomes..... | 3 |
| 5.4 | Programme Leader and Deputy Programme Leaders..... | 3 |
| 6. | COURSE LEADERS & ACADEMIC ADVISOR | 4 |
| 6.1 | Course Leaders of the major courses..... | 4 |
| 6.2 | Academic Advisor | 5 |
| 6.3 | First Year Tutors..... | 5 |
| 7. | CURRICULUM STRUCTURE | 6 |
| 7.1 | Degree Requirement (for Biological Sciences major)..... | 6 |
| 7.2 | Degree Requirement (for Biomedical Sciences major) | 7 |
| 7.3 | Curriculum Details (for Biological Sciences major) | 11 |
| 7.4 | Curriculum Details (for Biomedical Sciences major)..... | 14 |
| 7.5 | Study Plans | 15 |
| 8. | STUDY TOOLS AND COMMUNICATION CHANNELS..... | 21 |
| 8.1 | DegreeWorks | 21 |
| 8.2 | Electronic Mail (e-mail) | 21 |
| 8.3 | Canvas (e-Learning Platform) | 21 |
| 8.4 | CityU Announcement Portal (CAP) at Student Intranet..... | 22 |
| 8.5 | BMS Department Website..... | 22 |
| 8.6 | Joint Staff-Student Consultative Committee (JSSCC) | 22 |
| 8.7 | Administrative Support from General Office | 22 |
| 8.8 | Student Support and Wellbeing..... | 23 |
| 9. | ACADEMIC REGULATIONS AND GUIDELINES | 24 |
| 9.1 | Academic Regulations | 24 |
| 9.2 | Academic Honesty..... | 24 |
| 9.3 | Maximum and Minimum Study Load | 25 |
| 9.4 | Duration of Study | 25 |
| 9.5 | Withdrawal of Study..... | 25 |
| 9.6 | Termination of Study..... | 25 |
| 10. | ASSESSMENT | 27 |
| 10.1 | Introduction | 27 |
| 10.2 | Minimum Passing Requirement | 27 |
| 10.3 | Grading of Courses..... | 28 |
| 10.4 | Students' Academic Progress and Academic Standing | 28 |
| 10.5 | Repeating Courses to Improve Grades | 30 |
| 10.6 | Illness or Other Circumstances Related to Assessment..... | 30 |
| 10.7 | Dean's List..... | 30 |
| 10.8 | Application for Graduation and Requirements for Awards..... | 30 |
| 10.9 | Conferment and Classification of Awards..... | 31 |
| | APPENDIX I: Academic Calendar 2021-22..... | 32 |

1. INTRODUCTION

This Student Handbook is designed to provide students registered in the Department of Biomedical Sciences with an understanding of the nature of the programmes and with details of the contents. This handbook is subject to review from time to time. Students are advised to visit relevant websites for updated information. In the event of any discrepancy between the information on the University website and the contents of this handbook, the Department of Biomedical Sciences reserves the right of final decision and interpretation.

© August 2021 Department of Biomedical Sciences, City University of Hong Kong.

2. DEPARTMENT OF BIOMEDICAL SCIENCES

The Department of Biomedical Sciences was established in January 2014 to develop strategic growth areas in the life sciences. It has the aim of becoming a leading centre for biomedical education and cutting-edge research on cancer, neuroscience and regenerative medicine. Besides carrying out internationally competitive research and promotes interdisciplinary collaboration in biomedical sciences, the Department provides programmes that best equip graduates for future careers in healthcare, pharmaceutical, biotech and related industries. It currently offers two full time undergraduate majors and research programmes in a stimulating teaching, learning and research environment.

The Department currently has 25 faculty members, who have won such prestigious awards as the Higher Education Outstanding Scientific Research Output Award (Science and Technology), achieved outstanding results in grant applications, and produced high quality research outputs.

All programmes and research activities are supported by a wide range of state-of-the-art programme with cutting-edge techniques including electrophysiology and in vivo imaging, and anatomical, genetic, molecular and cellular tools to address challenges in the biomedical sciences.

3. MAJOR ALLOCATION FOR 4-YEAR DEGREE STUDENTS (UNDECLARED MAJOR)

Students who admitted to first-year studies with an undeclared major (BDBMS) at the Department, will enter a major (current major options: **Biological Sciences, Biomedical Sciences**) after their first year* of study. The top 40% of students# will have a free choice of majors offered by the Department. The other 60% of students will be allocated a major within the Department, subject to the availability of places and the selection criteria set by individual majors.

** First year of study is Semester A and B of 2021-22*

based on CGPA with no failed grades and completion of at least 30 credit units in Semester A and B of 2021-22 including College/Department required courses

4. BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCES

4.1 Programme Specification

| | |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Programme Title | BSc in Biological Sciences (BSc BISI) |
| Language of Delivery and Assessment | English |
| Programme Leader | Dr Jianbo Yue |
| Location of Delivery | City University of Hong Kong |
| Course URL | www.cityu.edu.hk/bms/prog/bscbs.htm |
| Programme Code | Normative 4-year Degree: BSCVMU4 BISI Advanced Standing I: BSCVMU3 BISI Advanced Standing II: BSCVMU2 BISI |
| Mode/Duration of Study | Normative 4-year Degree: 4 years, full time Advanced Standing I: 3 years, full time Advanced Standing II: 2 years, full time |
| Minimum QF credit requirement | Normative 4-year Degree: 120 credits Advanced Standing I: 90 credits Advanced Standing II: 60 credits |

4.2 Programme Rationale, Aims and Objectives

This major aims to nurture students to embark on professional, educational, scientific or technical career after graduation. We provide a rigorous, broad-spectrum curriculum combined with specialization 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.

4.3 Learning Outcomes

Upon successful completion of this major, students should be able to:

- Explain biological phenomena from the molecular to cellular basis of life;
- Explain biological phenomena based on lectures and observations in the laboratory;
- Design experiment and evaluate experimental data to test hypotheses, and to create innovative and practical solutions;
- Demonstrate good time management and problem- solving skills, and effectively communicate scientific ideas in both written and oral formats;
- Demonstrate the ability to read, understand, and critically review scientific information
- Accomplish laboratory-based or problem-based tasks independently;
- Apply the broad-based foundation and latest advances in the knowledge of biological sciences to real world problems;
- Develop strategies for acquisition, application and synthesis of knowledge in the biological sciences;
- Apply biological knowledge to address bioethical issues and to understand the role of science in society and the ethical conduct of science.

4.4 Programme Leader and Deputy Programme Leaders

Programme Leader Dr Jianbo Yue
Deputy Programme Leaders Dr Kiwon Ban, Dr Kui Ming Chan

5. BACHELOR OF SCIENCE IN BIOMEDICAL SCIENCES

5.1 Programme Specification

| | |
|-------------------------------------|------------------------------------------------------------------------------------------------|
| Programme Title | BSc in Biomedical Sciences (BSc BMS) |
| Language of Delivery and Assessment | English |
| Programme Leader | Dr Gigi Lo |
| Location of Delivery | City University of Hong Kong |
| Course URL | www.cityu.edu.hk/bms/prog/bscbms.htm |
| Programme Code | Normative 4-year Degree: BSCVMU4 BMS |
| Mode/Duration of Study | Normative 4-year Degree: 4 years, full time |
| Minimum QF credit requirement | Normative 4-year Degree: 120 credits |

5.2 Programme Rationale, Aims and Objectives

This programme emphasizes 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 the students with extensive exposure to medical laboratory technology and modern biotechnology, and applied research and clinical/industrial training opportunities through our strategic partnership with healthcare and medical laboratory sectors, and biotech and pharmaceutical industries.

5.3 Learning Outcomes

Upon successful completion of this major, students should be able to:

- Acquire experience in the areas of biomedical sciences and healthcare related industry, and the processes of design and development of diagnostic and therapeutic products, medical laboratory testing and food/drug safety testing, and discovery and innovation;
- Evaluate issues related to assurance and compliance to meet the requirements of health and safety regulations;
- Apply the integration of basic knowledge and biomedical specialist subject areas to the understanding and the laboratory testing of infectious pathogens and physiological disorders;
- Demonstrate required problem solving ability, discipline and subject-specific skill associated with laboratory practice, key transferable skills, and teamwork in basic and applied biomedical research;
- Meet the required levels and standards of relevant professional bodies.

5.4 Programme Leader and Deputy Programme Leaders

Programme Leader Dr Gigi Lo
Deputy Programme Leaders Dr Rebecca Chin, Dr Temy Mok

6. COURSE LEADERS & ACADEMIC ADVISOR

6.1 Course Leaders of the major courses

| Course Code | Course Title | Course Leader | Dept |
|-------------|-----------------------------------------------------------------------------------------------|-------------------|------|
| BMS1901 | Calculus For Life Science | Dr Sean Yuan | BMS |
| BMS2001/B | Medical Microbiology | Dr Rebecca Chin | BMS |
| BMS2002 | Pathophysiology | Dr Liang Zhang | BMS |
| BMS2003/B | Clinical Chemistry | Dr Gigi Lo | BMS |
| BMS2004 | Biochemistry | Dr Kiwon Ban | BMS |
| BMS2005 | Human Physiology | Dr Geoffrey Lau | BMS |
| BMS2007 | Human Anatomy | Dr Temy Mok | BMS |
| BMS2008/B | Hematology I | Dr Jiahai Shi | BMS |
| BMS2201/B | Molecular Biology of the Cell | Dr Jianbo Yue | BMS |
| BMS2202 | Diversity of Life and Evolution | Dr Kwan Chow | BMS |
| BMS2203 | Laboratory Course for Cell Biology and Biochemistry | Dr Eddie Ma | BMS |
| BMS2204 | Diversity of Life and Microbiology Laboratory | Dr Terrence Lau | BMS |
| BMS2901 | Introductory Biostatistics and Data Analysis | Dr Katie Chan | BMS |
| BMS3002/B | Cellular Pathology | Dr Jianbo Yue | BMS |
| BMS3003/B | Advanced Clinical Chemistry | Dr Xi Yao | BMS |
| BMS3004/B | Advanced Medical Microbiology | Dr Youngjin Lee | BMS |
| BMS3005/B | Medical Genetics | Dr Kui Ming Chan | BMS |
| BMS3006/B | Transfusion Science and Technology | Dr Jiahai Shi | BMS |
| BMS3007 | Good Laboratory Practice, Safety, Regulatory Compliance, and Ethical, Legal and Social Issues | Dr Savio Szeto | BMS |
| BMS3008/B | Modern Medical Laboratory Techniques and Instrumentation | Dr Sungchil Yang | BMS |
| BMS3009 | Clinical Laboratory /Industrial Attachment | Dr Terrence Lau | BMS |
| BMS3011/B | Hematology II | Dr Jiahai Shi | BMS |
| BMS3202 | Animal Physiology | Prof Ying Li | BMS |
| BMS3301 | Bioinformatics | Dr Xin Wang | BMS |
| BMS4001 | Medical Informatics and Laboratory Management | Dr Xin Wang | BMS |
| BMS4002 | Public Health and Emerging Infectious Diseases | Prof Mingliang He | BMS |
| BMS4003 | Clinical Biochemistry and Molecular Diagnostics | Dr Zongli Zheng | BMS |
| BMS4004/B | Advanced Cellular Pathology | Dr Zongli Zheng | BMS |
| BMS4005/B | Medical Virology | Prof Mingliang He | BMS |
| BMS4006 | Final Year Project: Medical Laboratory Research | Dr Geoffrey Lau | BMS |

| Course Code | Course Title | Course Leader | Dept |
|-------------|-----------------------------------------------|---------------------|------|
| BMS4007 | Pharmacology and Toxicology | Dr Youngjin Lee | BMS |
| BMS4008 | Clinical Immunology | Dr Temy Mok | BMS |
| BMS4206 | Final Year Project | Dr Kui Ming Chan | BMS |
| BMS4301 | Cancer Biology | Dr Jian Yan | BMS |
| BMS4303 | Neuroscience | Dr Wenjun Xiong | BMS |
| CHEM1200 | Discovery in Biology | Dr Y Matsuda | CHEM |
| CHEM1300 | Principles of General Chemistry | Dr Andy Siu | CHEM |
| CHEM2013 | Microbiology | Dr Terrence Lau | CHEM |
| CHEM2071 | Biological Chemistry | Dr H Y Sun | CHEM |
| CHEM3012 | Genetics | Dr Richard Y C Kong | CHEM |
| CHEM3017 | Molecular Biology | Dr Richard Y C Kong | CHEM |
| CHEM3068 | General Ecology | Dr S G Cheung | CHEM |
| GE1401 | University of English | Dr Matthew Sung | EN |
| GE1501 | Chinese Civilisation - History and Philosophy | Dr Hok Chung Lam | CAH |
| GE2401 | English for Science | Dr Christoph Hafner | EN |
| PHY1400 | Introductory Physics for Biologists | Prof K S Chan | PHY |

6.2 Academic Advisor

You will be assigned to an Academic Advisor when you enter the programme. Your Academic Advisor is an academic staff who will give you advice and guidance to support you during your study at the University. You should meet with your Academic Advisor each semester. More information will be sent to you after school commences in September.

6.3 First Year Tutors

Our First Year Tutors are dedicated to helping you transition to University life. They work exclusively with all BMS freshmen during their first year of study.

| First Year Tutors | Tel | E-mail (@cityu.edu.hk) |
|-------------------|-----------|------------------------|
| Dr Rebecca Chin | 3442-6743 | rebecca.chin |
| Dr Wenjun Xiong | 3442-2494 | wenjun.xiong |

7. CURRICULUM STRUCTURE

7.1 Degree Requirement (for Biological Sciences major)

A summary of the major structure and the minimum graduation requirement for this Biological Sciences programme is shown in the following table:

| Degree Requirements | Normative 4-year Degree | Advanced Standing I | Advanced Standing II [ASII] (Senior-year Entry) |
|--------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------|
| Gateway Education requirement (Table I) | 30 credit units | 21 credit units | 12 credit units |
| College/School requirement | Not Applicable | Not Applicable | Not Applicable |
| Major requirement | 72 credit units (Core: 62 CUs Elective: 10 CUs) | 69 credit units (Core: 62 CUs Elective: 7 CUs) | 46 credit units (Core: 45 CUs Elective: 1 CUs) |
| Free electives/Minor (if applicable) | 18 credit units | 0 credit units | 2 credit unit |
| Minimum number of credit units required for the award | 120 credit units | 90 credit units | 60 credit units |
| Maximum number of credit units permitted | 144 credit units | 114 credit units | 84 credit units |

7.2 Degree Requirement (for Biomedical Sciences major)

A summary of the major structure and the minimum graduation requirement for this Biomedical Sciences programme is shown in the following table:

| Degree Requirements | Normative 4-year Degree |
|------------------------------------------------------------------|----------------------------------------------------------------------|
| Gateway Education requirement (Table I) | 30 credit units |
| College/School requirement | Not Applicable |
| Major requirement | 90 credit units (Core: 90 CUs Elective: 0 CUs) |
| Free electives/Minor (if applicable) | Remainder to fulfil the credit requirement for graduation, if any |
| Minimum number of credit units required for the award | 120 credit units |
| Maximum number of credit units permitted | 144 credit units |

Table I Gateway Education Requirement

| | Normative 4-year Degree | Advanced Standing I | Advanced Standing II (Senior-year Entry) |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------|
| <u>University requirements</u> | | | |
| GE1401 University English | 3 credit units | 3 credit units | Not a compulsory requirement |
| Discipline-specific English : GE2401 English for Science | 3 credit units | 3 credit units | 3 credit units |
| GE1501 Chinese Civilisation – History and Philosophy | 3 credit units | 3 credit units | Not a compulsory requirement |
| <u>Distributional requirements</u> | 12 credit units | 6 credit units | 3 credit units |
| Area 1: Arts and Humanities Area 2: Study of Societies, Social and Business Organisations Area 3: Science and Technology | <i>(At least one course from each of the three areas)</i> | <i>(From two different areas)</i> | |
| <u>College-specified courses ^</u> | 9 credit units | 6 credit units | 6 credit units |
| Total | 30 credit units | 21 credit units | 12 credit units |

^ College-specified courses for fulfilling the Gateway Education requirement

| Course Code | Course Title | Level | Credit Units |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------|---------------------|
| Normative 4-year Degree (9 credit units) | | | |
| PHY1400 | Introductory Physics for Biologists | B1 | 3 |
| CHEM1300 | Principles of General Chemistry | B1 | 3 |
| CHEM1200/ CHEM2007B | Discovery in Biology*/ Principles of Organic Chemistry | B1/ B2 | 3 |
| Advanced Standing I Any courses NOT within the Major Requirement (including core courses and electives) | | B | 6 |
| Advanced Standing II (Senior-year Entry) Any courses NOT within the Major Requirement (including core courses and electives) | | B | 6 |

*Students who intend to choose the BMS or BISI major are advised to take CHEM 1200 in the first year which is a prerequisite for a core course schedule in Year 2 Semester A.

University Language Requirements

English Language Requirement

Students are required to complete the following courses:

| English Language Courses | Normative 4-year Degree ¹ | Advanced Standing I ² | Advanced Standing II ³ |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------|-----------------------------------|
| GE English (1): GE1401 University English | 3 credits | 3 credits | -- |
| GE English (2): Discipline-specific English | 3 credits | 3 credits | 3 credits |
| LC0200A English for Academic Purposes 1* and LC0200B English for Academic Purposes 2 (for students whose entry qualification in English scoring Level 3 in HKDSE English Language or Grade E in HKALE AS-level Use of English, or as determined by the Language Centre) | 6 credits [#] | 6 credits [#] | -- |

* Early Exit Arrangement

Bachelor's degree students successfully completing LC0200A and LC0200B for a total of 6 credits will be considered to have achieved the minimum standard required for proceeding to the GE English courses. Students who have achieved a grade B or above in their overall course results for LC0200A will be permitted to exit the programme at this point. They will achieve 3 credits and also be considered to have satisfied the pre-requisite for entry to the GE English courses.

The credits earned from taking LC0200A (3 credits) and/or LC0200B (3 credits) will not be counted towards the minimum credit units required for graduation and will not be included in the calculation of cumulative grade point average (CGPA). However, they will be counted towards the maximum credit units permitted.

Note 1: Applicable to students enrolled under the Bachelor of Veterinary Medicine programme.

Note 2: For students with recognised Advanced Level Examinations or equivalent qualifications.

Note 3: For Associate Degree/Higher Diploma graduates admitted as senior-year intake students.

For students who do not have Hong Kong public examinations results as specified above, the Chan Feng Men-ling Chan Shuk-lin Language Centre (LC) will invite them to sit for an [English Placement Test](#) to determine whether they need to take the courses LC0200A and LC0200B. Students may, instead of taking the Test, provide an alternative English proficiency qualification (e.g. TOFEL or IELTS) for consideration by the LC. A waiver from taking the LC0200A and LC0200B may be granted for students who have achieved the required English proficiency. For details, please visit the [website](#) of the Language Centre.

For details of English Language Requirement, please visit:

www.cityu.edu.hk/ug/current/catalogue/catalogue_UC.htm?page=B/eng_lang_requirement.htm

Chinese Language Requirement

Students may be required to complete the 3-credit [CHIN1001 University Chinese I](#)[#] according to your entry qualification in Chinese:

| Entry Qualification in Chinese | Normative 4-year Degree ¹ | Advanced Standing I ² | Advanced Standing II ³ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------|-----------------------------------|
| <ul style="list-style-type: none">Scoring Level 4 or above in HKDSE Chinese LanguageScoring Grade D or above in HKALE AS-level Chinese Language and Culture | No | No | No |
| <ul style="list-style-type: none">Scoring Level 3 in HKDSE Chinese LanguageScoring Grade E in HKALE AS-level Chinese Language and Culture | Yes | Yes | No |
| <ul style="list-style-type: none">Students who do not have the Hong Kong public examinations result of HKDSE Chinese Language or HKALE AS-level Chinese Language and Culture | No | No | No |

The 3-credit CHIN1001 University Chinese I will not be counted towards the minimum credit units required for graduation and will not be included in the calculation of cumulative grade point average (CGPA). However, they will be counted towards the maximum credit units permitted.

Note 1: Applicable to students enrolled under the Bachelor of Veterinary Medicine programme.

Note 2: For students with recognised Advanced Level Examinations or equivalent qualifications.

Note 3: For Associate Degree/Higher Diploma graduates admitted as senior-year intake students.

For details of Chinese Language Requirement, please visit:

www.cityu.edu.hk/ug/current/catalogue/catalogue_UC.htm?page=B/chi_lang_requirement.htm

7.3 Curriculum Details (for Biological Sciences major)

Major Core Courses

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|-----------------------------------------------------|-------|--------------|--------------------------------------------------------|
| BMS1901 | Calculus For Life Sciences | B1 | 3 | Waived for students admitted with Advanced Standing II |
| CHEM2013 | Microbiology | B2 | 3 | |
| BMS2202 | Diversity of Life and Evolution | B2 | 3 | |
| BMS2204 | Diversity of Life and Microbiology Laboratory | B2 | 2 | |
| CHEM2071 | Biological Chemistry | B2 | 4 | |
| BMS2203 | Laboratory Course for Cell Biology and Biochemistry | B2 | 2 | |
| BMS2901 | Introductory Biostatistics and Data Analysis | B2 | 3 | |
| BMS2004 | Biochemistry | B2 | 3 | |
| BMS2201 | Molecular Biology of the Cell | B2 | 3 | |
| CHEM3012 | Genetics | B3 | 4 | |
| CHEM3017 | Molecular Biology | B3 | 4 | |
| CHEM3068 | General Ecology | B3 | 4 | |
| BMS3202 | Animal Physiology | B3 | 4 | |
| BMS3301 | Bioinformatics | B3 | 3 | |
| BMS4008 | Clinical Immunology | B4 | 3 | |
| BMS4206 | Final Year Project | B4 | 8 | |
| BMS4301 | Cancer Biology | B4 | 3 | |
| BMS4303 | Neuroscience | B4 | 3 | |

Major Elective Courses

Normative 4-year Degree: 10 credit units

Advanced Standing I: 7 credit units

Advanced Standing II: 1 credit unit

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|-----------------------------------------------------------------------------|-------|--------------|---------|
| BMS1701A | Biomedical Research – Rotation Project I (Theme A) | B1 | 1 | |
| BMS1701B | Biomedical Research – Rotation Project I (Theme B) | B1 | 1 | |
| BMS1701C | Biomedical Research – Rotation Project I (Theme C) | B1 | 1 | |
| BMS2002 | Pathophysiology | B2 | 3 | |
| BMS2003B | Clinical Chemistry | B2 | 2 | |
| BMS2005 | Human Physiology | B2 | 3 | |
| BMS2008B | Hematology I | B2 | 2 | |
| BMS2301A | Biomedical Research – Rotation Project II (Theme A) | B2 | 1 | |
| BMS2301B | Biomedical Research – Rotation Project II (Theme B) | B2 | 1 | |
| BMS2301C | Biomedical Research – Rotation Project II (Theme C) | B2 | 1 | |
| BMS3002B | Cellular Pathology | B3 | 2 | |
| BMS3003B | Advanced Clinical Chemistry | B3 | 2 | |
| BMS3006B | Transfusion Science and Technology | B3 | 2 | |
| BMS3007 | Good Laboratory Practice, Safety, Regulatory Compliance, and Ethical, Legal | B3 | 3 | |
| BMS3011B | Hematology II | B3 | 2 | |
| BMS3101 | Cell Transport and Signalling | B3 | 3 | |
| CHEM4063 | Systems Biology | B4 | 4 | |
| CHEM4064 | Biological Techniques and Instrumentation | B4 | 4 | |
| CHEM4078 | Aquatic Ecology | B4 | 4 | |
| BMS4001 | Medical Informatics and Laboratory Management | B4 | 3 | |
| BMS4003B | Clinical Biochemistry and Molecular Diagnostics | B4 | 2 | |

| Course Code | Course Title | Level | Credit Units | Remarks |
|--------------------|--------------------------------------|--------------|---------------------|----------------|
| BMS4004B | Advanced Cellular Pathology | B4 | 2 | |
| BMS4005B | Medical Virology | B4 | 2 | |
| BMS4007 | Pharmacology and Toxicology | B4 | 3 | |
| BMS4102 | Technology for Regenerative Medicine | B4 | 3 | |
| BMS4302 | Nanobiotechnology | B4 | 3 | |

7.4 Curriculum Details (for Biomedical Sciences major)

Major Core Courses

| Course Code | Course Title | Level | Credit Units | Remarks |
|-------------|-----------------------------------------------------------------------------------------------|-------|--------------|---------|
| BMS1901 | Calculus For Life Sciences | B1 | 3 | |
| BMS2001 | Medical Microbiology | B2 | 3 | |
| BMS2002 | Pathophysiology | B2 | 3 | |
| BMS2003 | Clinical Chemistry | B2 | 3 | |
| BMS2004 | Biochemistry | B2 | 3 | |
| BMS2005 | Human Physiology | B2 | 3 | |
| BMS2007 | Human Anatomy | B2 | 3 | |
| BMS2008 | Hematology I | B2 | 3 | |
| BMS2201 | Molecular Biology of the Cell | B2 | 3 | |
| BMS2901 | Introductory Biostatistics and Data Analysis | B2 | 3 | |
| BMS3002 | Cellular Pathology | B3 | 3 | |
| BMS3003 | Advanced Clinical Chemistry | B3 | 3 | |
| BMS3004 | Advanced Medical Microbiology | B3 | 3 | |
| BMS3005 | Medical Genetics | B3 | 3 | |
| BMS3006 | Transfusion Science and Technology | B3 | 3 | |
| BMS3007 | Good Laboratory Practice, Safety, Regulatory compliance, and Ethical, Legal and Social Issues | B3 | 3 | |
| BMS3008 | Modern Medical laboratory Techniques and Instrumentation | B3 | 3 | |
| BMS3009 | Clinical Laboratory/Industrial Attachment | B3 | 9 | |
| BMS3011 | Hematology II | B3 | 3 | |
| BMS4001 | Medical Informatics and Laboratory Management | B4 | 3 | |
| BMS4002 | Public Health and Emerging Infectious Diseases | B4 | 3 | |
| BMS4003 | Clinical Biochemistry and Molecular Diagnostics | B4 | 3 | |
| BMS4004 | Advanced Cellular Pathology | B4 | 3 | |
| BMS4005 | Medical Virology | B4 | 3 | |
| BMS4006 | Final Year Project: Medical Laboratory Research | B4 | 6 | |
| BMS4007 | Pharmacology and Toxicology | B4 | 3 | |
| BMS4008 | Clinical Immunology | B4 | 3 | |

Course descriptions are available in the links as follows:

www.cityu.edu.hk/ug/current/catalogue/catalogue_UC.htm?page=B/B_major_index.htm

7.5 Study Plans

For Biological Sciences major (BISI), the table 7.5.1, 7.5.2 and 7.5.3 illustrates the suggested study plan for Normative 4-year, Advanced Standing I and Advanced Standing II respectively.

For Biomedical Sciences major (BMS), the table 7.5.4 illustrates the suggested study plans for Normative 4-year.

For Undeclared Major (BDBMS), the table 7.5.5 illustrates the suggested study plans of Year-1 for Normative 4-year. After assigning major by early July, students with BISI or BMS major can refer to the tables 7.5.1 or 7.5.4 for the suggested study plans of Year-2, Year-3 and Year-4 for the Normative 4-year.

7.5.1 Recommended Study Plan for BSc in Biological Sciences (Normative 4-year Degree)

For 2021 Cohort

BSc BISI

| Year 1 (2021/22) | | | |
|-------------------------------------------------------|-----------|--------------------------------------------------------|-----------|
| Semester A | CU | Semester B | CU |
| CHEM1300 Principles of General Chemistry * | 3 | PHY1400 Introductory Physics for Biologists* | 3 |
| CHEM1200 Discovery in Biology*# | 3 | BMS2004 Biochemistry | 3 |
| BMS1901 Calculus For Life Sciences | 3 | GE2401 English for Science ▲ | 3 |
| GE1401 University of English▲ | 3 | GE1501 Chinese Civilization – History and Philosophy ▲ | 3 |
| GE Distributional Requirements § / | 3 | GE Distributional Requirements § / | 3 |
| Major Elective / | | Major Elective / | |
| Free Elective | | Free Elective | |
| <i>Total</i> | 15 | <i>Total</i> | 15 |
| Year 2 (2022/23) | | | |
| Semester A | CU | Semester B | CU |
| BMS2202 Diversity of Life & Evolution | 3 | BMS2201 Molecular Biology of the Cell | 3 |
| BMS2204 Diversity of Life and Microbiology Laboratory | 2 | BMS2203 Lab Course for Cell Biology & Biochemistry | 2 |
| CHEM2013 Microbiology | 3 | BMS2901 Introductory Biostatistics and Data Analysis | 3 |
| CHEM2071 Biological Chemistry | 4 | GE Distributional Requirements § / | 6 |
| GE Distributional Requirements § / | 3 | Major Elective / | |
| Major Elective / | | Free Elective | |
| Free Elective | | | |
| <i>Total</i> | 15 | <i>Total</i> | 14 |
| Year 3 (2023/24) | | | |
| Semester A | CU | Semester B | CU |
| BMS4303 Neuroscience | 3 | BMS3202 Animal Physiology | 4 |
| CHEM3012 Genetics | 4 | BMS3301 Bioinformatics | 3 |
| CHEM3068 General Ecology | 4 | BMS4008 Clinical Immunology | 3 |
| GE Distributional Requirements § / | 6 | BMS4301 Cancer Biology | 3 |
| Major Elective / | | CHEM3017 Molecular Biology | 4 |
| Free Elective | | | |
| <i>Total</i> | 17 | <i>Total</i> | 17 |
| Year 4 (2024/25) | | | |
| Semester A | CU | Semester B | CU |
| BMS4206 Final Year Project | (IP) 4 | BMS4206 Final Year Project | 4 |
| GE Distributional Requirements § / | 9 | GE Distributional Requirements § / | 10 |
| Major Elective / | | Major Elective / | |
| Free Elective | | Free Elective | |
| <i>Total</i> | 13 | <i>Total</i> | 14 |
| Minimum number of credit units required: 120 | | | |

(1) Students should pay special attention to the prerequisite of courses as specified in the syllabuses.

(2) The curriculum information is subject to periodic review and changes.

Students who intend to choose the BISI major are advised to take CHEM1200 in the first year which is a prerequisite for core courses schedule in Year 2 Semester A.

▲ Gateway Education – University Requirements (9 Credit Units) – Students are recommended to register in these courses in their first year of study or as soon as possible.

* Gateway Education – College/School-specified courses (9 Credit Units)

§ Gateway Education – Distributional Requirements (12 Credit Units) minimum 3 credit units from each area:

[Area 1: Arts and Humanities](#)

[Area 2: Study of Societies, Social and Business Organizations](#)

[Area 3: Science and Technology](#)

IP "In Progress" for a year-long course

7.5.2 Recommended Study Plan for BSc in Biological Sciences (Advanced Standing I [ASI])

For 2021 Cohort

BSc BISI

| Year 2 (2021/22) | | | |
|-------------------------------------------------------|-------------|--------------------------------------------------------|-------------|
| Semester A | CU's | Semester B | CU's |
| BMS1901 Calculus for Life Sciences | 3 | BMS2004 Biochemistry | 3 |
| BMS2202 Diversity of Life & Evolution | 3 | BMS2201 Molecular Biology of the Cell | 3 |
| BMS2204 Diversity of Life and Microbiology Laboratory | 2 | BMS2203 Lab Course for Cell Biology & Biochemistry | 2 |
| GE1401 University of English ▲ | 3 | BMS2901 Introductory Biostatistics and Data Analysis | 3 |
| CHEM2013 Microbiology | 3 | GE1501 Chinese Civilization – History and Philosophy ▲ | 3 |
| | | GE2401 English for Science ▲ | 3 |
| <i>Total</i> | 14 | <i>Total</i> | 17 |
| Year 3 (2022/23) | | | |
| Semester A | CU's | Semester B | CU's |
| BMS4303 Neuroscience | 3 | BMS3202 Animal Physiology | 4 |
| CHEM2071 Biological Chemistry | 4 | BMS3301 Bioinformatics | 3 |
| CHEM3068 General Ecology | 4 | BMS4008 Clinical Immunology | 3 |
| GE College/School-specified courses*/ | 6 | BMS4301 Cancer Biology | 3 |
| GE Distributional Requirements § / | | GE College/School-specified courses*/ | 3 |
| Major Elective | | GE Distributional Requirements § / | |
| | | Major Elective | |
| <i>Total</i> | 17 | <i>Total</i> | 16 |
| Year 4 (2023/24) | | | |
| Semester A | CU's | Semester B | CU's |
| BMS4206 Final Year Project | (IP) 4 | BMS4206 Final Year Project | 4 |
| CHEM3012 Genetics | 4 | CHEM3017 Molecular Biology | 4 |
| GE College/School-specified courses*/ | 6 | GE College/School-specified courses*/ | 4 |
| GE Distributional Requirements § / | | GE Distributional Requirements § / | |
| Major Elective | | Major Elective | |
| <i>Total</i> | 14 | <i>Total</i> | 12 |
| Minimum number of credit units required: 90 | | | |

(1) Students should pay special attention to the prerequisite of courses as specified in the syllabuses.

(2) The curriculum information is subject to periodic review and changes.

▲ **Gateway Education – University Requirements (9 Credit Units)** – Students are recommended to register in these courses in their first year of study or as soon as possible.

* **Gateway Education – College/School-specified courses (6 Credit Units):** Any courses NOT within the Major Requirement (including core courses and electives)

§ **Gateway Education – Distributional Requirements (6 Credit Units) from two different areas:**

[Area 1: Arts and Humanities](#)

[Area 2: Study of Societies, Social and Business Organizations](#)

[Area 3: Science and Technology](#)

IP "In Progress" for a year-long course

7.5.3 Recommended Study Plan for BSc in Biological Sciences (Advanced Standing II [ASII])

For 2021 Cohort

BSc BISI

| Year 3 (2021/22) | | | |
|----------------------------------------------------|-------------|------------------------------------------------------|-------------|
| Semester A | CU s | Semester B | CU s |
| CHEM3068 General Ecology | 4 | BMS2004 Biochemistry | 3 |
| CHEM3012 Genetics | 4 | BMS2201 Molecular Biology of the Cell | 3 |
| GE Distributional Requirements § / | 6 | BMS2901 Introductory Biostatistics and Data Analysis | 3 |
| GE College/School specified courses* / | | CHEM3017 Molecular Biology | 4 |
| Major Elective / | | GE2401 English for Science ▲ | 3 |
| Free Elective | | | |
| <i>Total</i> | 14 | <i>Total</i> | 16 |
| Year 4 (2022/23) | | | |
| Semester A | CU s | Semester B | CU s |
| BMS4303 Neuroscience | 3 | BMS3202 Animal Physiology | 4 |
| BMS4206 Final Year Project | (IP) 4 | BMS3301 Bioinformatics | 3 |
| GE Distributional Requirements § / | 6 | BMS4008 Clinical Immunology | 3 |
| GE College/School specified courses* / | | BMS4206 Final Year Project | 4 |
| Major Elective / | | BMS4301 Cancer Biology | 3 |
| Free Elective | | | |
| <i>Total</i> | 13 | <i>Total</i> | 17 |
| Minimum number of credit units required: 60 | | | |

(1) Students should pay special attention to the prerequisite of courses as specified in the syllabuses.

(2) The curriculum information is subject to periodic review and changes.

▲ Gateway Education – University Requirements (3 Credit Units)

* Gateway Education – College/School-specified courses (6 Credit Units): Any courses NOT within the Major Requirement (including core courses and electives)

§ Gateway Education – Distributional Requirements (3 Credit Units)

[Area 1: Arts and Humanities](#)

[Area 2: Study of Societies, Social and Business Organizations](#)

[Area 3: Science and Technology](#)

IP "In Progress" for a year-long course

7.5.4 Recommended Study Plan for BSc in Biomedical Sciences (Normative 4-year Degree)

For 2021 Cohort

BSc BMS

| Year 1 (2021/22) | | Year 2 (2022/23) | | Year 3 (2023/24) | | Year 4 (2024/25) | | |
|----------------------------------------------------------------|----|------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------|----|-----------|
| Semester A | CU | Semester A | CU | Semester A | CU | Semester B | CU | |
| CHEM1300 Principles of General Chemistry * | 3 | BMS2001 Medical Microbiology | 3 | BMS3002 Cellular Pathology | 3 | BMS3005 Medical Genetics | 3 | |
| CHEM1200 Discovery in Biology * # | 3 | BMS2005 Human Physiology | 3 | BMS3003 Advanced Clinical Chemistry | 3 | BMS3006 Transfusion Science and Technology | 3 | |
| BMS1901 Calculus for Life Sciences | 3 | BMS2007 Human Anatomy | 3 | BMS3011 Hematology II | 3 | BMS3007 Good Lab Practice, Safety, Regulatory Compliance, and Ethical, Legal and Social Issues | 3 | |
| GE1401 University of English ▲ | 3 | BMS2008 Hematology I | 3 | BMS4005 Medical Virology | 3 | BMS4004 Advanced Cellular Pathology | 3 | |
| GE Distributional Requirements § | 3 | GE Distributional Requirements § | 3 | GE Distributional Requirements § | 3 | BMS4008 Clinical Immunology | 3 | |
| <i>Total</i> | | <i>15</i> | <i>Total</i> | | <i>15</i> | <i>Total</i> | | <i>15</i> |
| Year 2 (2022/23) | | Year 3 (2023/24) | | Year 4 (2024/25) | | Year 4 (2024/25) | | |
| Semester A | CU | Semester A | CU | Semester A | CU | Semester B | CU | |
| BMS2001 Medical Microbiology | 3 | BMS2002 Pathophysiology | 3 | BMS4001 Medical Informatics and Laboratory Management | 3 | BMS3009 Clinical Laboratory/Industrial Attachment ◆ | 9 | |
| BMS2005 Human Physiology | 3 | BMS2003 Clinical Chemistry | 3 | BMS4002 Public Health and Emerging Infectious Diseases | 3 | BMS4006 Final Year Project: Medical Laboratory Research ■ | 3 | |
| BMS2007 Human Anatomy | 3 | BMS2201 Molecular Biology of the Cell | 3 | BMS4003 Clinical Biochemistry and Molecular Diagnostics | 3 | | | |
| BMS2008 Hematology I | 3 | BMS2901 Introductory Biostatistics and Data Analysis | 3 | BMS4006 Final Year Project: Medical Laboratory Research ■ (IP) | 3 | | | |
| GE Distributional Requirements § | 3 | BMS3004 Advanced Medical Microbiology | 3 | BMS4007 Pharmacology and Toxicology | 3 | | | |
| <i>Total</i> | | <i>15</i> | <i>Total</i> | | <i>15</i> | <i>Total</i> | | <i>18</i> |
| Year 3 (2023/24) | | Year 4 (2024/25) | | Year 4 (2024/25) | | Year 4 (2024/25) | | |
| Semester A | CU | Semester A | CU | Semester A | CU | Semester B | CU | |
| BMS3002 Cellular Pathology | 3 | BMS3005 Medical Genetics | 3 | BMS4001 Medical Informatics and Laboratory Management | 3 | BMS3009 Clinical Laboratory/Industrial Attachment ◆ | 9 | |
| BMS3003 Advanced Clinical Chemistry | 3 | BMS3006 Transfusion Science and Technology | 3 | BMS4002 Public Health and Emerging Infectious Diseases | 3 | BMS4006 Final Year Project: Medical Laboratory Research ■ | 3 | |
| BMS3011 Hematology II | 3 | BMS3007 Good Lab Practice, Safety, Regulatory Compliance, and Ethical, Legal and Social Issues | 3 | BMS4003 Clinical Biochemistry and Molecular Diagnostics | 3 | | | |
| BMS4005 Medical Virology | 3 | BMS4004 Advanced Cellular Pathology | 3 | BMS4006 Final Year Project: Medical Laboratory Research ■ (IP) | 3 | | | |
| GE Distributional Requirements § | 3 | BMS4008 Clinical Immunology | 3 | BMS4007 Pharmacology and Toxicology | 3 | | | |
| <i>Total</i> | | <i>15</i> | <i>Total</i> | | <i>15</i> | <i>Total</i> | | <i>15</i> |
| Year 4 (2024/25) | | Year 4 (2024/25) | | Year 4 (2024/25) | | Year 4 (2024/25) | | |
| Semester A | CU | Semester A | CU | Semester A | CU | Semester B | CU | |
| BMS4001 Medical Informatics and Laboratory Management | 3 | BMS3009 Clinical Laboratory/Industrial Attachment ◆ | 9 | BMS4001 Medical Informatics and Laboratory Management | 3 | BMS3009 Clinical Laboratory/Industrial Attachment ◆ | 9 | |
| BMS4002 Public Health and Emerging Infectious Diseases | 3 | BMS4006 Final Year Project: Medical Laboratory Research ■ | 3 | BMS4002 Public Health and Emerging Infectious Diseases | 3 | BMS4006 Final Year Project: Medical Laboratory Research ■ | 3 | |
| BMS4003 Clinical Biochemistry and Molecular Diagnostics | 3 | | | BMS4003 Clinical Biochemistry and Molecular Diagnostics | 3 | | | |
| BMS4006 Final Year Project: Medical Laboratory Research ■ (IP) | 3 | | | BMS4006 Final Year Project: Medical Laboratory Research ■ (IP) | 3 | | | |
| BMS4007 Pharmacology and Toxicology | 3 | | | BMS4007 Pharmacology and Toxicology | 3 | | | |
| <i>Total</i> | | <i>15</i> | <i>Total</i> | | <i>15</i> | <i>Total</i> | | <i>12</i> |

Minimum number of credit units required: 120

- Note: (1) Students should pay special attention to the prerequisite of courses as specified in the syllabuses
 (2) The curriculum information is subject to periodic review and changes.
 (3) Some clinical Laboratory/Industrial Attachment opportunities will be open in Year-3 Summer for students' application and participation.
 (4) Please expect that you might start your final year project from Year-3 Summer, as you will be occupied for the clinical Laboratory/Industrial Attachment assigned in Year-4 Semester B.

Students who intend to choose the BMS major are advised to take CHEM1200 in the first year which is a prerequisite for a core course schedule in Year 2 Semester A.

▲ **Gateway Education – University Requirements (9 Credit Units)** – Students are recommended to register in these courses in their first year of study or as soon as possible.

* **Gateway Education – College/School-specified Requirements (9 Credit Units)**

§ **Gateway Education – Distributional Requirements (12 Credit Units)** *minimum 3 credit units from each area:*
[Area 1: Arts and Humanities](#); [Area 2: Study of Societies, Social and Business Organizations](#); [Area 3: Science and Technology](#)

■ Timeslot and allocation of the Final Year Project may be subject to change.

◆ Timeslot and allocation of the Clinical Laboratory/Industrial Attachment are subject to change according to host lab availability.

IP "In Progress" for a year-long course

7.5.5 Recommended Study Plan for Undeclared Major For 2021 Cohort

BDBMS

| Year 1 (2021/22) | | | |
|-----------------------------------------------------------------------------------|------|--------------------------------------------------------|------|
| Semester A | CU's | Semester B | CU's |
| CHEM1300 Principles of General Chemistry * | 3 | PHY1400 Introductory Physics for Biologists* | 3 |
| CHEM1200 Discovery in Biology *# | 3 | BMS2004 Biochemistry | 3 |
| BMS1901 Calculus for Life Sciences | 3 | GE2401 English for Science ^ | 3 |
| GE1401 University of English ^ | 3 | GE1501 Chinese Civilization – History and Philosophy ^ | 3 |
| GE Distributional Requirements § | 3 | GE Distributional Requirements § | 3 |
| <i>Total</i> | 15 | <i>Total</i> | 15 |
| Minimum number of credit units required for Phase 1 Majors Allocation : 30 | | | |

Note: (1) Students should pay special attention to the prerequisite of courses as specified in the syllabuses
 (2) The curriculum information is subject to periodic review and changes.

- # Students who intend to choose the BMS & BISI major are advised to take CHEM1200 in the first year which is a prerequisite for a core course schedule in Year 2 Semester A.
- ▲ **Gateway Education – University Requirements (9 Credit Units)** – Students are recommended to register in these courses in their first year of study or as soon as possible.
- * **Gateway Education – College/School-specified Requirements (9 Credit Units)**
- § **Gateway Education – Distributional Requirements (12 Credit Units) *minimum 3 credit units from each area:***
[Area 1: Arts and Humanities;](#)
[Area 2: Study of Societies, Social and Business Organizations;](#)
[Area 3: Science and Technology](#)
- Timeslot and allocation of the Final Year Project may be subject to change.
- ◆ Timeslot and allocation of the Clinical Laboratory/Industrial Attachment are subject to change according to host lab availability.
- IP "In Progress" for a year-long course

8. STUDY TOOLS AND COMMUNICATION CHANNELS

8.1 DegreeWorks

DegreeWorks is a web-based degree audit and academic advising tool. It matches a student's academic record against the curriculum requirements and helps students learn easily what courses they still need to take to fulfill the requirements of College/School, GE, major, minor, etc. It also facilitates communication between the students and the advisors.

DegreeWorks provides various features that help students plan their studies. For example, the "What-if" function allows students to run on-line degree audits by selecting different combinations of degree/majors/minors. The "Planner" function allows students to lay out a planned sequence of course registrations and have this sequence easily validated against the degree requirements. The course plans collected enable academic units to better estimate the demand of courses in future terms and plan their resources accordingly.

How to access DegreeWorks: www.cityu.edu.hk > AIMS (under Quick Links) > Study Plan

Students are advised to go through the online tutorials and all materials available on ARRO's website to learn more about DegreeWorks: www.cityu.edu.hk/arro > Current Students > Degree Works (<https://www.cityu.edu.hk/arro/content.asp?cid=482>)

8.2 Electronic Mail (e-mail)

Information relevant to your studies will be disseminated to you via your CityU student electronic mail. You should check your e-mail account frequently for such messages. You are also encouraged to communicate with Programme leaders, Course leaders and your advisor/tutor through e-mail. Please clearly state your student name, student number and contact telephone number in your emails. To learn more on your student email services, please visit the website: www.cityu.edu.hk/csc/deptweb/services/email.htm

8.3 Canvas (e-Learning Platform)

Students are encouraged to use the Canvas, an e-learning platform, to communicate with the Course instructors/leaders, as well as among their fellow classmates. The Canvas also serves as the platform for instructors to disseminate course-related information to students.

Canvas and other e-learning information: www.cityu.edu.hk/elearn/elearn_stud.html

How to get course handouts through Canvas: <https://canvas.cityu.edu.hk> > Courses > View All or Customize

8.4 CityU Announcement Portal (CAP) at Student Intranet

CityU Announcement Portal (CAP) is the CityU Announcement Portal that you must check **EVERYDAY** for announcements from the University, your College and your Department. Daily announcement digest (summary) will also be emailed to you.

CAP: <https://www.cityu.edu.hk/portal> > CAP (after log-in)

Also try the CAP App which you can download from the iOS and the Android apps stores.

8.5 BMS Department Website

You can access BMS Department website (www.cityu.edu.hk/bms) for departmental news.

8.6 Joint Staff-Student Consultative Committee (JSSCC)

Joint Staff-Student Consultative Committee is established to provide staff and students with an opportunity to exchange views on the content and organization of the programme and courses, and to identify areas of special interest or concern. The consultative meetings focus mainly on academic matters and collective welfare of the students. Programme leaders and Course leaders are invited to attend the meeting; student representatives are to be elected among students on an academic year basis. The committee normally meets twice a year but special meetings may be scheduled when required.

8.7 Administrative Support from General Office

Details of the General Office of the Department of Biomedical Sciences:

Address

1A-101, 1/F, Block 1, To Yuen Building

Office Hours

| | |
|-----------------------------------|---------------------------|
| Monday - Friday | 9:00 am – 5:30 pm |
| <i>Lunch Break</i> | <i>12:30 pm – 2:00 pm</i> |
| Saturday, Sunday & Public Holiday | Closed |

Email & Tel

| | Tel | Email |
|----------------------------------------|-----------|----------------------------------------------------------------|
| Undeclared major (First-year students) | 3442-4707 | bms.ug@cityu.edu.hk |
| BSc in Biomedical Sciences | 3442-4826 | bsc.bms@cityu.edu.hk |
| BSc in Biological Sciences | 3442-4438 | bsc.bs@cityu.edu.hk |
| General Enquiries | 3442-5657 | bms.go@cityu.edu.hk |

Fax

3442-0549

8.8 Student Support and Wellbeing

Student Development Services

The Student Development Services enhances the growth of our students through various educational, leadership and social programmes, plus counselling services, sports activities and career advising services. You are strongly encouraged to join their programmes to enrich your university life. For details, please visit its website at <http://www.cityu.edu.hk/sds/web/index.shtml>

Campus Clinics

Medical Centre

Address: 4/F, Bank of China (Hong Kong) Complex, CityU

Telephone number: 3442 6066

Services Hours:

Mondays to Fridays 9:00 am - 1:00 pm, 1:30 pm - 6:00 pm

Saturdays 9:00 am - 12:15 pm

Sundays & Public Holidays Closed

* Consultation services for emergency cases will be available during 12:45 pm to 1:30 pm and 5:45 pm to 6:00 pm on Mondays to Fridays.

Appointment Services:

Mondays to Fridays 9:30 am - 11:30 am, 2:30 pm - 5:00 pm

Saturdays 9:30 am - 11:30 am

Dental Clinic

Address: 4/F, Bank of China (Hong Kong) Complex, CityU

Telephone number: 3442 6052 (by appointment)

Opening Hours:

Mondays to Fridays 9:00 am - 1:00 pm, 2:00 pm - 6:00 pm.

Saturdays 9:00 am - 12:15 pm

Sundays & Public Holidays Closed

9. ACADEMIC REGULATIONS AND GUIDELINES

Students should observe the regulations and guidelines as stipulated by the University at all times. It is in the students' own interests to familiarize themselves with the Academic Regulations and important dates. More information is available by referring to the following website maintained by the Academic Regulations and Records Office (ARRO).

ARRO Homepage: www.cityu.edu.hk/arro

9.1 *Academic Regulations*

The Academic Regulations are made by the University Senate to govern student progress leading to undergraduate degree awards approved by the University Senate. Regulations concerning courses and related arrangements also apply to exchange and visiting students.

Academic Regulations: <http://www.cityu.edu.hk/arro/content.asp?cid=405>

9.2 *Academic Honesty*

Students must pursue their studies with academic honesty. Academic honesty is central to the conduct of academic work. Students are expected to present their own work, give proper acknowledgement of other's work, and honestly report findings obtained. As part of the University's efforts to educate students about academic honesty, all students are required to complete an online tutorial on academic honesty and make a declaration in their first semester of enrollment on their understanding of academic honesty.

Please refer to the University announcements and the Office of the Provost website for details:

www.cityu.edu.hk/provost/academic_honesty/university_requirement_on_academic_honesty.htm

Plagiarism is a serious offence involving "the use of somebody else's ideas, words, etc. as one's own". Examples of such acts are copying other students' work in examinations, in tests, or in tasks for coursework assignments, repetition of part or whole sentences/paragraphs/any materials from hard-copy publications or online sites for one's own use without acknowledgement of the source in one's work.

Students who commit an act of academic dishonesty which jeopardizes the integrity of the learning and assessment process may be charged with a major offence and be liable to disciplinary action.

Students are advised to refer to the section on "Rules on Academic Honesty" under "Academic Regulations & Policies (For Undergraduate Students in Colleges and Schools)" of the "CityU e-Portal" for details.

For more information, please visit:

www.cityu.edu.hk/provost/academic_honesty/rules_on_academic_honesty.htm

9.3 Maximum and Minimum Study Load

- In each semester, full-time students must register for courses summing to a total of at least 12 credit units, and for not more than 18 credit units; and part-time students must register for courses summing to a total of no more than 11 credit units.
- In the Summer Term, students may register for courses but the total load must not exceed seven credit units.
- Except where special arrangements are made, students seeking an exception from the credit load limit stated above should apply in writing for approval by the Head of the home academic unit.

9.4 Duration of Study

- Students may take a leave of absence from their studies for an approved period. Periods of approved leave of absence may not be less than one full semester, and may not accumulate to more than four semesters. Applications for leave of absence should be submitted for approval by the Head of the home academic unit. Under exceptional circumstances where a student needs to take a leave of absence accumulating to more than four semesters, such a request should be approved by the Dean.
- Students shall, irrespective of their mode of study, complete all the degree requirements within the stipulated maximum period of study (i.e., eight years for normative 4-year degree, six years for Advanced Standing I, and five years for Advanced Standing II), inclusive of any change of majors, periods of leave of absence and suspension of studies. The maximum period of study for individual double degrees and for degrees with a normal study duration longer than 4 years shall be stipulated by the cognizant academic units.
- Students who cannot complete all the degree requirements for graduation within the maximum study period will be required to discontinue their studies. Requests for extension of study beyond the maximum study period will not be granted.

9.5 Withdrawal of Study

Students who wish to withdraw from studies should submit a withdrawal notification to the University. Withdrawal will normally take effect from the date of submission of the notification. However, notification submitted during or after the examination period will take effect only from the following semester/term.

9.6 Termination of Study

- The University has the right to terminate a student's study for failure to maintain satisfactory academic progress, as determined by the Examination Board, or to comply with the policies and procedures of the University.

- The Examination Board may terminate the study of a student under the following circumstances:
 - The student's SGPA is below 1.70 for any three enrolled semesters; or
 - The student's academic progress is unsatisfactory and is unable to meet the conditions stipulated by the home academic unit after being put on Academic Probation for one semester.
- Irrespective of the circumstances stated above, the Examination Board may prescribe any other criteria for terminating a student's study.
- Students' studies will also be terminated if they fail to pass a required course, or its equivalent/substitute course, after three attempts.
- For termination of studies due to academic reasons, students may apply for readmission to the University, with admission to any degree study occurring no earlier than one academic year after the termination. Upon readmission after termination of study, students may be given one additional opportunity to pass each required course they have failed in their three previous attempts.

10. ASSESSMENT

10.1 Introduction

The award of any degree qualification shall be based on a student's performance in such examinations or other tests of learning or ability which have been approved by the University for the courses constituting the degree and award concerned.

The assessment key dates and quick guide will be posted in ARRO-Assessment page (www.cityu.edu.hk/arro/content.asp?cid=137) for students' update information on examination schedules, guidelines, etc. You may also refer to e-Portal for examination timetable.

Assessment & related Regulations: <http://www.cityu.edu.hk/arro/content.asp?cid=405>

10.2 Minimum Passing Requirement

For BSc Biological Sciences major (BISI):

- Students must satisfy a minimum of 40% in coursework and examination components for the major core courses, except BMS1901 Calculus for Life Sciences and BMS2901 Introductory Biostatistics and Data Analysis.
 - Continuous assessment: 40%; and
 - Written examination: 40%

For BSc Biomedical Sciences major (BMS):

- Students must satisfy a minimum of 40% in coursework and examination components for the major core courses, except BMS1901 Calculus for Life Sciences and BMS2901 Introductory Biostatistics and Data Analysis.
 - Continuous assessment: 40%; and
 - Written examination: 40%
- For courses including practical examination component, the minimum passing requirement is as follows:
 - Continuous assessment: 40%;
 - Written examination: 40%; and
 - Practical examination: 40%

Below are some university regulations about assessment and graduation that you should be familiar with. Please refer to ARRO website (www.cityu.edu.hk/arro) for latest information as they are subject to review from time to time.

10.3 Grading of Courses

- Courses are graded according to the following schedule:

| Grade | Grade Point | Grade Definitions | |
|---------------------------|-------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A+ | 4.3 | Excellent | The qualifiers, such as "Excellent", "Good", "Fair" etc., define student performance with respect to the achievement of course intended learning outcomes (CILOs). |
| A | 4.0 | | |
| A- | 3.7 | | |
| B+ | 3.3 | Good | |
| B | 3.0 | | |
| B- | 2.7 | | |
| C+ | 2.3 | Fair | |
| C | 2.0 | | |
| C- | 1.7 | | |
| D | 1.0 | Marginal | |
| F | 0.0 | Failure | |
| P (Pass-fail course only) | | Pass | |

[Note: A grade with an asterisk (e.g. B+) is excluded from the calculation of GPA. The credits earned will not be counted toward the minimum credit requirement for graduation but will be counted toward the maximum number of credit units permitted.]*

10.4 Students' Academic Progress and Academic Standing

- Academic standing provides an indicator of students in academic difficulty who need academic advising and extra help. Whilst academic standing is captured in the student's record, it is however not shown in official transcripts.
- The levels of academic standing are:
 - Academic Warning
 - Academic Probation
 - Academic Suspension
- An academic standing decision is made for all students at the end of Semester A and Semester B, except for students taking 3 credits or less.

- Definitions:

| Standing | Definitions |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Academic Warning | Students' academic performance has been unsatisfactory, or their overall academic average is below minimum requirements. Students on warning should seek advice from their academic advisor. |
| Academic Probation | Students' academic performance has been extremely unsatisfactory, or their overall academic average has continued to be below the minimum requirements for graduation. Students on Academic Probation may be required to take a reduced study load and/or to fulfil specific conditions such as GPA attainments in the following semester. |
| Academic Suspension | Students who cannot benefit from course registration in the next semester/term may be suspended for an approved period of not less than one semester. Academic Suspension is designed to provide students with an opportunity to resolve the problems that are preventing them from making academic progress. |
| <u>Operational Standing</u> | |
| Review | A temporary status indicating that a student's performance is unsatisfactory and has been referred to the student's home academic unit for determining if a decision on academic standing needs to be made. |

- Rules for Academic Standing Changes

| From | To | SGPA | | CGPA |
|--------------------------------------------|------------------|--------------|-----|--------------|
| Nil | Academic Warning | 1.00 to 1.99 | and | 1.00 to 4.30 |
| | Review | 0 to 0.99 | or | 0 to 0.99 |
| Academic Warning | Academic Warning | 2.00 to 4.30 | and | 0 to 1.99 |
| | Review | 0 to 1.99 | and | Any |
| Academic Probation/ Academic Suspension | Review | 0 to 1.99 | or | 0 to 1.99 |

Notes:

- The above academic standing rules exclude students who have not attempted more than 3 credit units in the semester.
- "Review" is only a temporary status. It signifies the academic unit is screening each case and an academic standing will be assigned shortly.
- In making decisions on students' academic standing, the Examination Board has the right, upon the recommendation of the students' home academic unit, to make exceptions from the above rules.
- If so required by the Examination Board, an academic standing decision may also be specially determined for a particular student at the end of the Summer Term.

10.5 Repeating Courses to Improve Grades

Unless otherwise specified, students may repeat a course, or an equivalent course, to recover a failure or to improve a course grade of D, subject to the concerned academic unit's course offering schedule and availability. Only two repeat attempts may be permitted. Course grades for all attempts will appear on the student's academic transcript, but only the final grade earned will be included in the calculation of the student's CGPA.

10.6 Illness or Other Circumstances Related to Assessment

- A student who reasonably believes that his/her ability to attend an examination, or in-course assessment with a weighting of 20% or above, has been adversely affected by circumstances beyond his/her control must submit the case, with documentary evidence, to his/her home academic unit following the procedures stated on the University website, as soon as possible but no later than 5 working days of the scheduled date for completing the affected examination or assessment.
- The home academic unit of the student will investigate the case, in consultation with the course-offering academic unit. Only compelling reasons such as illness, hospitalization, accident, family bereavement or other unforeseeable serious personal or emotional circumstances will be considered. The decision of the home academic unit is final and will be conveyed to the student in writing as soon as possible but no later than 10 working days following receipt of the case.
- If the case is justified and substantiated, the decision will be conveyed to the Assessment Panel which will determine whether to offer the student a make-up examination or coursework or other alternative assessment. Where assessments for more than one course are affected, it is the responsibility of the home academic unit to inform all relevant Assessment Panels. The Assessment Panel may also adjust the grade of the student if deemed appropriate. The course-offering academic unit will convey the Assessment Panel's decision on the make-up arrangements to the student in writing as soon as possible.

10.7 Dean's List

At the end of Semester A and Semester B, or for part-time students on the completion of the second of these two semesters, students' GPAs are calculated. Where a student over that period has (i) earned 12 credit units or more from courses taken at the University, (ii) achieved a GPA of 3.70 or above, (iii) not failed any course, and (iv) subject to the Dean's endorsement, the student is placed on the Dean's List.

10.8 Application for Graduation and Requirements for Awards

- Each academic year has three graduation dates as set by Senate. Students should file an application for graduation during their intended graduation semester/term in accordance with the procedures announced by the University. Please refer to ARRO webpage here: <https://www.cityu.edu.hk/arro/content.asp?cid=352>.

- Students who have applied for graduation but do not successfully complete all their academic requirements by the end of the intended graduation semester/term must reapply for graduation.
- In order to be awarded a degree, a student shall:
 - (i) complete the graduation requirements for the degree,
 - (ii) achieve a CGPA of 2.00 or above (for students admitted from Semester A 2020/21 onwards).
- Students who have declared a second major shall fulfil the second major requirements, and achieve a minimum CGPA of 2.00 in the second major in order for them to be granted the award.

10.9 Conferment and Classification of Awards

10.9.1 For students who are on programmes of (i) Normative 4-Year Degree admitted from 2020/21 and thereafter, (ii) Advanced Standing I admitted from 2021/22 and thereafter, and (iii) Advanced Standing II admitted from 2022/23 and thereafter

- Award with Distinctions will be conferred (based on the CGPA ranking) upon the top 15% students in the respective departments/ schools graduating in the same semester/term as follows:

| Award with Distinctions | Awarded to Graduates Ranked in |
|-------------------------|--------------------------------|
| <i>summa cum laude</i> | top 2% |
| <i>magna cum laude</i> | next 5% |
| <i>cum laude</i> | next 8% |

10.9.2 For students who are on programmes of (i) Normative 4-Year Degree admitted in 2019/20 and before, (ii) Advanced Standing I admitted in 2020/21 and before, and (iii) Advanced Standing II admitted in 2021/22 and before

- They will be granted an award with classification based on their CGPA as follows:

| <u>Classification of Award</u> | <u>CGPA</u> |
|--------------------------------|---------------|
| First Class Honours | 3.50 or above |
| Upper Second Class Honours | 3.00 – 3.49 |
| Lower Second Class Honours | 2.50 – 2.99 |
| Third Class Honours | 2.00 – 2.49 |
| Pass | 1.70 – 1.99 |

- Please always refer to ARRO webpage for more up-to-date information: <https://www.cityu.edu.hk/arro/content.asp?cid=72>

APPENDIX I: Academic Calendar 2021-22

| Week | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Events | Public Holidays | | |
|---------------|-----|-----|-----|-----|-----|-----|-----|----------------------------------------------------------|----------------------------------|----------------------------------------|--------------------------|
| Aug-21 | | | | | | | | | | | |
| WK 1 | 29 | 30 | 31 | | | | | Semester A 2021/22 | | | |
| Sep-21 | | | | | | | | | | 30 Aug - 27 Nov Teaching Period | |
| WK 1 | | | | 1 | 2 | 3 | 4 | | | | |
| WK 2 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | | | |
| WK 3 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | | | | |
| WK 4 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | | | | |
| WK 5 | 26 | 27 | 28 | 29 | 30 | | | | | | |
| Oct-21 | | | | | | | | | | | 4 Graduation Date |
| | | | | | | 1 | 2 | | | | |
| WK 6 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | |
| WK 7 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | | | |
| WK 8 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | | |
| WK 9 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | | |
| WK 10 | 31 | | | | | | | | | | |
| Nov-21 | | | | | | | | 27 Last Day of Teaching | | | |
| WK 10 | | 1 | 2 | 3 | 4 | 5 | 6 | | | | |
| WK 11 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | | | | |
| WK 12 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| WK 13 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | | | |
| | 28 | 29 | 30 | | | | | 29 Nov - 4 Dec Student Revision Period | | | |
| Dec-21 | | | | | | | | | | | |
| | | | | 1 | 2 | 3 | 4 | | | | |
| | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 6 - 18 Examination Period | | |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | | | | |
| | 19 | 20 | 21 | 22 | 23 | 24 | 25 | | | | |
| | 26 | 27 | 28 | 29 | 30 | 31 | | 20 Dec 2021 - 8 Jan 2022 Semester Break | | | |
| Jan-22 | | | | | | | | | | | |
| | | | | | | | 1 | Semester B 2021/22 | | | |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| WK 1 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 10 Jan - 14 Apr Teaching Period | | | |
| WK 2 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | | | | |
| WK 3 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | | | | |
| | 30 | 31 | | | | | | 31 Jan - 6 Feb Lunar New Year Break | | | |
| Feb-22 | | | | | | | | | | | |
| | | | 1 | 2 | 3 | 4 | 5 | 4 Graduation Date | | | |
| WK 4 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | |
| WK 5 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 1 - 3 Lunar New Year Holidays | | | |
| WK 6 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | | | | |
| WK 7 | 27 | 28 | | | | | | | | | |

| Week | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Events | Public Holidays |
|---------------|-----|-----|-----|-----|-----|-----|-----|-------------------------------------|-----------------------------------|
| Mar-22 | | | | | | | | | |
| WK 7 | | | 1 | 2 | 3 | 4 | 5 | | |
| WK 8 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| WK 9 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | |
| WK 10 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | | |
| WK 11 | 27 | 28 | 29 | 30 | 31 | | | | |
| Apr-22 | | | | | | | | | |
| WK 11 | | | | | | 1 | 2 | | |
| WK 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| WK 13 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 14 Last Day of Teaching | 5 Ching Ming Festival |
| | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 19 - 23 Apr Student Revision Period | 15 Good Friday |
| | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 25 Apr - 10 May Examination Period | 16 Day following Good Friday |
| May-22 | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | |
| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 11 May - 4 Jun Semester Break | 2 Day following Labour Day |
| | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | 9 Day following Buddha's Birthday |
| | 29 | 30 | 31 | | | | | | |
| Jun-22 | | | | | | | | Summer Term 2022 | |
| | | | | 1 | 2 | 3 | 4 | 1 Graduation Date | 3 Tuen Ng Festival |
| WK 1 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 6 Jun - 23 Jul Teaching Period | |
| WK 2 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | | |
| WK 3 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | | |
| WK 4 | 26 | 27 | 28 | 29 | 30 | | | | |
| Jul-22 | | | | | | | | | |
| | | | | | | 1 | 2 | | |
| WK 5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| WK 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | |
| WK 7 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 23 Last Day of Teaching | 1 HK SAR Establishment Day |
| | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 25 - 30 Jul Student Revision Period | |
| | 31 | | | | | | | | |
| Aug-22 | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 1 - 6 Examination Period | |
| | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 8 - 27 Term Break | |
| | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | |
| | 28 | 29 | 30 | 31 | | | | | |

