

Curriculum Information Record for a Research Degree Programme

Department of Biomedical Sciences
Effective from Semester A 2024/2025
For Students Admitted with Catalogue Term
From Semester A 2019/2020 till Summer Term 2023/2024

This form is for completion by the College/School for research degree programme. The information provided on this form is the official record of the Programme. It will be used for City University's database, various City University publications (including websites) and documentation for students and others as required.

Please refer to the *Explanatory Notes* attached to this form on the various items of information required.

Part I

Programme Title (in English): Doctor of Philosophy
(in Chinese): 哲學博士

Award Title (in English): Doctor of Philosophy
(in Chinese): 哲學博士

Programme Aims

This programme aims to train and produce graduates with an understanding of advanced developments and highly marketable specialist skills in the disciplines of biology and biomedical sciences, and to meet local and regional requirements in the industrial, commercial, government or education sectors.

Programme Intended Learning Outcomes (PILOs)

(state what the student is expected to be able to do at the end of the programme according to a given standard of performance)

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

1. develop intellectual competence necessary to successful academic and professional work;
2. contribute to the generation and development of knowledge in their respective fields through independent, original, and innovative research;
3. demonstrate specialist subject knowledge and a high level of transferrable skills with an emphasis on discovery-based element.

Part II Programme of Study

1. Research Area(s) in which research students will be admitted to:

{e.g. *Applied Mathematics, Electronic Engineering*}

Life Sciences (Biomedical Science, Molecular Science) and Biomedical Engineering

2. Programme Core Courses: (11 credits)

Course Code	Course Title	Level	Units Worth
Two (2) credits from BMS8102			
OR			
Register at least two courses from BMS8101A/B/C/D/E/F/G/H at two different semesters			
BMS8102	Frontiers in Biomedical Research	R8	2
OR			
BMS8101A	Guided Studies for Postgraduate Students (A)	R8	1
BMS8101B	Guided Studies for Postgraduate Students (B)	R8	1
BMS8101C	Guided Studies for Postgraduate Students (C)	R8	1
BMS8101D	Guided Studies for Postgraduate Students (D)	R8	1
BMS8101E	Guided Studies for Postgraduate Students (E)	R8	1
BMS8101F	Guided Studies for Postgraduate Students (F)	R8	1
BMS8101G	Guided Studies for Postgraduate Students (G)	R8	1
BMS8101H	Guided Studies for Postgraduate Students (H)	R8	1
And:			
BMS8103	Cell and Molecular Biology Research	R8	3
And any two of the following courses:			
BMS8105	Biotherapy and Nanomedicine	R8	3
BMS8106	Stem Cell and Regenerative Medicine	R8	3
BMS8107	Cancer Biology and Precision Medicine	R8	3
BMS8108	Advanced Neuroscience	R8	3
or			
NS8002			
BMS8110	Genomics and Bioinformatics	R8	3
BMS8111	Immunology and Infectious Diseases	R8	3

Remarks:

- Courses will be offered subject to sufficient enrolment.
- Students are normally not allowed to apply for credit transfer for core courses.

3. Research Methodology and Ethics Course(s): (2 credits)

Course Code	Course Title	Level	Units Worth
BMS8001	Research Ethics and Methodology	R8	2

Remarks:

Students are normally not allowed to apply for credit transfer for BMS8001.

4. Programme Electives: (1 credit)

Course Code	Course Title	Level	Units Worth
BMS8105	Biotherapy and Nanomedicine	R8	3
BMS8106	Stem Cell and Regenerative Medicine	R8	3
BMS8107	Cancer Biology and Precision Medicine	R8	3
BMS8108			
or			
NS8002	Advanced Neuroscience	R8	3
BMS8110	Genomics and Bioinformatics	R8	3
BMS8111	Immunology and Infectious Diseases	R8	3

Remarks:

- Courses will be offered subject to sufficient enrolment.

- A course can be taken as either a core course or an elective only.
- Students may also take postgraduate level courses offered by other academic units as electives upon approval from their supervisors and the course offering units. A list of approved courses is available on Chow Yei Ching School of Graduate Studies (SGS) website.

5. Other Requirements:

Course Code	Course Title	Level	Units Worth	Remarks
SG8001	Teaching Students: First Steps	R8	1	The credit unit will not be counted towards the 14 credit units of minimum coursework requirements. To be completed in the first year of study.
—	Collaborative Institutional Training Initiative (CITI) programme	n/a	n/a	An online training course on research integrity. Compulsory for RPg students who admitted in 2018/19 and thereafter. To be completed in the first year of study. Details are available on SGS website.