Master of Science in Biomedical Engineering

Student Handbook (2025-2026)

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1. PROGRAMME AIMS

Biomedical Engineering focuses on using engineering principles, techniques and design concepts for healthcare purposes. There is an increasing demand for education and development in the field to improve healthcare and quality of life. The demand has driven the need for developing professionals who will advance the evolution of modern healthcare system, treatment and technology. The Master of Science in Biomedical Engineering (MSBME) Programme aims to offer education and training opportunity to engineers to pursue higher-level study in biomedical field to promote engineering to future healthcare applications.

2. PROGRAMME INTENDED LEARNING OUTCOMES (PILOs)

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

i. explore appropriate scientific and technological development in healthcare related industry that is of benefit to the society;
ii. address the issues and challenges related to the development of biomedical instruments, systems and devices;
iii. apply state-of-the-art technologies to generate creative solutions to improve healthcare products by using biomedical approach; and
iv. apply knowledge of designing, implementing, manufacturing and evaluating equipment that can advance biomedical engineering practice.

3. TEACHING and LEARNING

i. The programme utilizes a variety of learning modes and methods including the following:

   a. Lectures & Tutorials
   b. Co-operative Learning
   c. Seminars, Interactive Workshops & Panel Discussions offered by external, as well as by international experts, and active professionals working in the industry

ii. Students can bring their problems from work to classes for group discussions and further analysis, and earn course credits upon satisfactory results.

4. PROGRAMME STRUCTURE

Student are required to complete a total of 30 credits of courses from the list of elective courses below:

Students may obtain the MSc degree either by completing:

- 10 elective taught courses (30 CUs) without Dissertation
  (to broaden knowledge in biomedical engineering and healthcare)

  Or

- Dissertation (9 CUs) + 7 other elective taught courses (21 CUs)
  (to gain in-depth learning in biomedical engineering and healthcare)

Elective Courses for the selection:

Course Code	Course Title	Level	Credit Units	Remarks
BME5108	Human Machine Interface	P5	3	Not Offered
BME5110	Biomedical Engineering Design	P5	3	
BME5111	Regenerative Medicine	P5	3	Not Offered
BME6005	Micro Systems Technology	P6	3	Continuing Education Fund (CEF) Approved Course
BME6008	Dissertation	P6	9	Students have to fulfil minimum CGPA requirements to select *BME6008 Dissertation*. Details will be announced in due course. Full-time students who want to complete *BME6008 Dissertation* within one semester must obtain prior approval from the Programme Leader and the Supervisor, and must have attained a CGPA of 3.7 or above.
BME6022	Project Development Study	P6	3	Not Offered
BME6045	Industrial Case Study	P6	3	

BME6101	Manufacturing of Biomedical Devices	P6	3	Continuing Education Fund (CEF) Approved Course
BME6111	Biomedical Instrumentation	P6	3	Continuing Education Fund (CEF) Approved Course
BME6114	Advanced Control Systems	P6	3	Not Offered
BME6115	Biorobotics	P6	3	
BME6117	Biomedical Safety and Risk Assessment	P6	3	
BME6118	Biomedical Imaging and Biophotonics	P6	3	
BME6121	Biomechanics	P6	3	Continuing Education Fund (CEF) Approved Course
BME6122	Physiological Modeling	P6	3	Not Offered
BME6123	Flexible Bioelectronics for Medical Applications	P6	3	
BME6135	Engineering Principles for Drug Delivery	P6	3	
BME6136	Advanced Biomaterials for Healthcare and Biomedical Applications	P6	3	
BME6137	Medical Diagnostics	P6	3	Not Offered
BME6138	Robotics in Minimally Invasive Healthcare	P6	3	
BME6139	AI in Medical Imaging	P6	3	Not Offered
BME6140	Advanced Optical Microscopy for Biomedical Engineering	P6	3	
BME6141	Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics	P6	3	
BME6142	Rapid Diagnostic Devices for Personalized Healthcare	P6	3	New Course
BME6145	Applied Artificial Intelligence for Biomedical and Healthcare Applications	P6	3	New Course

5. ASSESSMENT AND AWARD CLASSIFICATIONS

Students should observe the University's regulations and guidelines on assessment at all times. More information is available on the website of the Chow Yei Ching School of Graduate Studies (SGS): https://www.cityu.edu.hk/sgs/student/masters/assessment/coursegrades

Grade Table

Applicable to students admitted from Semester A 2024/25 & thereafter

Grade	Grade Point	Grade Definitions
A+ A A-	4.3 4.0 3.7	Excellent
B+ B B-	3.3 3.0 2.7	Good
C+ C C-	2.3 2.0 1.7	Fair
D	1.0	Marginal
F	0.0	Failure
P (Pass-fail course only)		Pass

Students will be awarded the degree with one of the following classifications based on their CGPA attained upon completion of all graduation requirements. More information is available on the website of the Chow Yei Ching School of Graduate Studies (SGS): *https://www.cityu.edu.hk/sgs/student/tpg/regulations/cgpabanding*

Taught Master's Degree	CGPA
Distinction	3.50 or above
Credit	3.20 – 3.49
Pass	2.00 – 3.19

6. TUITION FEES AND PROGRAMME DURATION

For students admitted in 2025/26

Academic Year	Tuition Fee
2025/26	HK$6,700 per credit
The tuition fee indicated in the above schedule will apply until the end of your study in this programme.	

Duration of Study

	Full-time	Part-time/combined mode
Normal period of study	1 year	1.5 years (via Dissertation) / 2 years (via Taught Courses)
Maximum period of study	2.5 years	5 years

7. ACADEMIC REGULATIONS AND GUIDELINES

Students should observe the University's regulations and guidelines on assessment at all times. More information can be referred to the SGS website.
https://www.cityu.edu.hk/sgs/student/tpg/regulation

8. ACADEMIC HONESTY

Academic honesty is central to the conduct of academic work. Students are responsible for knowing and understanding the Rules on Academic Honesty. As part of the University's efforts to educate students about academic honesty, all students are required to complete an online tutorial, take on online quiz and fill out an online declaration by **30 November 2025** in order to access their course grades online. For details, please refer to the Office of the Provost and Deputy President's website:
https://www.cityu.edu.hk/pvdp/ah/uni-ah-req.htm

9. COMMUNICATIONS

The following communication channels between students and the Department are available:

i. Students having academic difficulties in a course should first talk to the **course instructor** concerned.

ii. Students wishing to discuss dissertation issue should speak to the **Dissertation Coordinator**.

iii. Students wishing to discuss the overall organisation of the programme should speak to the **Programme Leader** or the **Deputy Programme Leader**.

iv. **The Joint Staff & Student Consultative Committee (JSSCC)** facilitates communication and enables formal consultations between students and staff of the Department. At least one student from each year will be nominated or invited to sit in the Committee.

v. Class Representatives will be invited to sit in the **Programme Committee**.

10. PROGRAMME LEADER AND COORDINATOR

Position	Staff Name	Tel / Email
Programme Leader	Prof. King Wai Chiu LAI	3442 9099 / kinglai@cityu.edu.hk
Deputy Programme Leader	Prof. Lidai WANG	3442 6157 / lidawang@cityu.edu.hk
Dissertation Coordinator	Prof. Qinrong ZHANG	3442 9660 / qzhan32@cityu.edu.hk

11. ACCESS TO INFORMATION

11.1 How to access your Personal Class Schedule

i) Go to CityU homepage (*www.cityu.edu.hk*).
ii) Log onto "Portal" under "Quick Links". *If you have problems in logging in, please follow the instructions in "Having problems logging?"*.
iii) Click "Academic & Research", and then "Student Schedule" to view your class schedule for the current semester.

11.2 How to get instructors' handouts through Canvas

i) Log onto Canvas (https://canvas.cityu.edu.hk).
ii) Click "Courses" to view all courses you have registered in the current and previous semesters.

11.3 How to check Programme Requirements and Course Syllabi

Log onto the CityU homepage (www.cityu.edu.hk) and click "Academics" to reach to "Programme and Course Catalogue".

11.4 Course Registration for Semester A 2025-2026

i) Please check your class schedule in accordance with the programme curriculum requirements, review your study plan and then make appropriate adjustments to your course registration.

ii) Course add/drop period is **11 August – 8 September 2025**.

How is Add/ Drop done?
- Go to CityU homepage (*http://www.cityu.edu.hk)*, then point to "Quick Links" at the top and click "AIMS".
- Log onto "AIMS" and then click "Course Registration".
- Choose "Add or Drop Classes".

iv) The deadline for all add/drops is **8 September 2025, 11:30 pm**.

v) Detailed arrangements on Course Registration for Semester A 2025-26 can be referred to the SGS website: *https://www.cityu.edu.hk/sgs/student/masters/coursereg*

11.5 How to access your Student Email Account

i) Go to CityU homepage (*http://www.cityu.edu.hk)*, then point to "Quick Links" at the top and click "Email".
ii) In the Email Services homepage, click "**@my.cityu.edu.hk**" under "Student" to go to the CityU "Office 365" Sign In page.
iii) At the "**Account:**" field in the Sign In screen, enter your Office 365 account in the form of "*YourEID*-**c**", where *YourEID* is your CityU Electronic ID.
iv) At the "**Password**:" field, enter your Office 365 Account password, then click "Log On".

Important note:
For email communication, please state your **name in full**, **student number** and **contact telephone number** .

11.6 Course Exemption/Credit Transfer

Applications for course exemption or credit transfer must be submitted before the first semester of the student's admission. Students granted course exemption are required to take other courses to make up the credits required for fulfilling the award requirements. For Semester A 2025-26, the application period is from **14 July to 29 August 2025.**

For details, please refer to the SGS website:
https://www.cityu.edu.hk/sgs/student/masters/records/credittransfer

11.7 Laboratory Safety Orientation

All students are REQUIRED to complete the on-line Laboratory Safety Orientation through the Departmental On-line Information System (IntraMEL). A Lab Tour session will be held by the Laboratory Office in week 1 of Semester A for interested students. Details of the session will be sent to you by e-mail.

11.8 Chow Yei Ching School of Graduates Studies (SGS) 周亦卿研究生院

Students may contact the School of Graduates Studies for the following matters:

- **Student Identity Card**
- **Academic Transcript and Testimonial**
- **Graduation and Award Certificate**
- **Letter of Certification**

Address:	2/F, CityU International Centre (城大國際中心大樓)
Tel:	+852 3442 9014
Fax:	+852 3442 0237
Email:	tpenquir@cityu.edu.hk
Website:	https://www.cityu.edu.hk/sgs/student/masters
Office Hours:	Monday to Friday 9:00 am - 12:30 pm & 1:45 pm - 6:30 pm

11.9 Global Engagement Office (GEO)

Students may contact the Global Services Office on **student visa-related issues**.

Address: Room 3-001, 3/F, CityU International Centre (城大國際中心大樓)
Tel: +852 3442 8089
Email: geovisa@cityu.edu.hk
Website: http://www.cityu.edu.hk/geo/
Office Hours: Monday to Friday 9:00 am - 12:30 pm & 2:00 pm - 5:30 pm

11.10 Department of Biomedical Engineering (BME General Office)

Students may contact the BME General Office for the following matters:

- Add/Drop of courses
- CEF issues

Address: Y6700, 6/F, Yeung Kin Man Academic Building
Tel: +852 3442-8420
Email: bmego@cityu.edu.hk
Website: https://www.cityu.edu.hk/bme/
Office Hours: Monday to Friday 8:45 am - 12:30 pm & 1:45 pm - 5:30 pm

12. Continuing Education Fund (CEF) – For Non-UGC funded local students only

12.1 CEF Application

Please read carefully the guidelines and regulations under the CEF website *www.wfsfaa.gov.hk/cef/* or call the 24-hour hotline 3142-2277 for more information.

With effect from 1 August 2022, applicants who apply for CEF for the first time are only required to complete the Application Form [SFO 313 (2022)], which is a combined application form for both account opening and fee reimbursement. The completed application form with certification by institution / course provider together with copies of supporting documents should be submitted to OCEF. The reimbursement procedures are available at the CEF website *www.wfsfaa.gov.hk/cef/en/application/procedures.htm.*

Course commencement date for 2025/26:
Semester A: 1 September 2025
Semester B: 12 January 2026
Summer Term: 8 June 2026

Please note the references to be quoted on your documents on CEF forms:

Name of Institution/Course Provider : **City University of Hong Kong**
CEF Institution Code : **005**
The completed and certified application form and other required documents of CEF should be returned to the CEF Office before the commencement of the course(s). LATE APPLICATION WILL NOT BE ENTERTAINED.

12.2 CEF Reimbursement

Please read carefully the reimbursement procedures under the CEF website *www.wfsfaa.gov.hk/cef/* or call the 24-hour hotline 3142-2277 for more information.

If you have successfully completed any CEF reimbursable course(s) and plan to claim your reimbursement from CEF, you need a certification letter of "Proof of Completion of Course" from BME department.

COMPLETION CRITERIA: please refer to the CEF website *www.wfsfaa.gov.hk/cef/* for details.

12.3 Students seeking CEF reimbursement MUST NOT hold any other publicly-funded financial assistance for the same course.

12.4 Please check for details and possible updates through the department website *https://www.cityu.edu.hk/bme/std-cef.htm*.

Appendix I

Suggested Study Path

MSBME Study Path (2025 Cohort)
Full-time Normal Study Path via **Taught Courses** (1 Year)

<table>
<tr><th>Yr.</th><th>Sem.</th><th colspan="5">Courses</th><th>CUs</th></tr>
<tr><td rowspan="6">1</td><td rowspan="2">A</td><td colspan="5"><u>Elective courses for selection</u><u>@</u><u>:</u></td><td rowspan="2">15</td></tr>
<tr><td><u>Bioimaging</u>

- BME5110 Biomedical Engineering Design</td><td><u>BioMEMS</u>

- BME6101 Manufacturing of Biomedical Devices

- BME6111 Biomedical Instrumentation</td><td><u>Nanomedicine / Biomaterials</u>

- BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications</td><td><u>Biomedical Robotics</u>

- BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications</td><td><u>Flexible Bioelectronics</u>

- BME6123 Flexible Bioelectronics for Medical Applications</td></tr>
<tr><td rowspan="2">B</td><td colspan="5"><u>Elective courses for selection</u><u>@</u><u>:</u></td><td rowspan="2">12
or
15</td></tr>
<tr><td><u>Bioimaging</u>

- BME6118 Biomedical Imaging and Biophotonics

- BME6140 Advanced Optical Microscopy for Biomedical Engineering</td><td><u>BioMEMS</u>

- BME6005 Micro Systems Technology</td><td><u>Nanomedicine / Biomaterials</u>

- BME6135 Engineering Principles for Drug Delivery</td><td><u>Biomedical Robotics</u>

- BME6115 Biorobotics

- BME6121 Biomechanics

- BME6138 Robotics in Minimally Invasive Healthcare</td><td><u>Flexible Bioelectronics</u>

- BME6142 Rapid Diagnostic Devices for Personalized Healthcare</td></tr>
<tr><td rowspan="2">S</td><td colspan="5"><u>Elective courses for selection</u><u>@</u><u>:</u></td><td rowspan="2">0
or
3</td></tr>
<tr><td colspan="2"><u>Nanomedicine / Biomaterials</u>

- BME6141 Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics</td><td colspan="2"><u>Flexible Bioelectronics</u>

- BME6117 Biomedical Safety and Risk Assessment</td></tr>
<tr><td colspan="5"></td><td>Total CUs =</td><td>30</td></tr>
</table>

Remarks:
( ) number of credit units
@ Courses list may change subject to changes in the programme and/or demand for individual courses.

MSBME Study Path (2025 Cohort)
Full-time Normal Study Path via **Dissertation** (1 Year)

<table>
<tr><th>Yr.</th><th>Sem.</th><th colspan="6">Courses</th><th>CUs</th></tr>
<tr><td rowspan="4">1</td><td>A</td><td colspan="6"><u>Elective courses for selection</u>@:
<u>Bioimaging</u>

- BME5110 Biomedical Engineering Design

<u>BioMEMS</u>

- BME6101 Manufacturing of Biomedical Devices

- BME6111 Biomedical Instrumentation

<u>Nanomedicine / Biomaterials</u>

- BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications

<u>Biomedical Robotics</u>

- BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications

<u>Flexible Bioelectronics</u>

- BME6123 Flexible Bioelectronics for Medical Applications</td><td>15</td></tr>
<tr><td>B</td><td rowspan="2">BME6008 Dissertation (6 CUs)

+

(3CUs)</td><td colspan="5"><u>Elective courses for selection</u>@:
<u>Bioimaging</u>

- BME6118 Biomedical Imaging and Biophotonics

- BME6140 Advanced Optical Microscopy for Biomedical Engineering

<u>BioMEMS</u>

- BME6005 Micro Systems Technology

<u>Nanomedicine / Biomaterials</u>

- BME6135 Engineering Principles for Drug Delivery

<u>Biomedical Robotics</u>

- BME6115 Biorobotics

- BME6121 Biomechanics

- BME6138 Robotics in Minimally Invasive Healthcare

<u>Flexible Bioelectronics</u>

- BME6142 Rapid Diagnostic Devices for Personalized Healthcare</td><td>12</td></tr>
<tr><td>S</td><td colspan="5"><u>Elective courses for selection</u>@:
<u>Nanomedicine / Biomaterials</u>

- BME6141 Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics

<u>Flexible Bioelectronics</u>

- BME6117 Biomedical Safety and Risk Assessment</td><td>3</td></tr>
<tr><td colspan="7"></td><td>Total CUs =</td><td>30</td></tr>
</table>

Remarks:
( ) number of credit units
@ Courses list may change subject to changes in the programme and/or demand for individual courses.

MSBME Study Path (2025 Cohort)
Part-time Normal Study Path via **Taught Courses** (2 Years)
Students are required to complete (i) ten electives OR (ii) dissertation + seven electives. The advice is not to take more than 11 credit units in a semester.

Yr.	Sem.	Courses					CUs
1	A	**Elective courses for selection@:**					9
		Bioimaging - BME5110 Biomedical Engineering Design	**BioMEMS** - BME6101 Manufacturing of Biomedical Devices - BME6111 Biomedical Instrumentation	**Nanomedicine / Biomaterials** - BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications	**Biomedical Robotics** - BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications	**Flexible Bioelectronics** - BME6123 Flexible Bioelectronics for Medical Applications	
	B	**Elective courses for selection@:**					9
		Bioimaging - BME6118 Biomedical Imaging and Biophotonics - BME6140 Advanced Optical Microscopy for Biomedical Engineering	**BioMEMS** - BME6005 Micro Systems Technology	**Nanomedicine / Biomaterials** - BME6135 Engineering Principles for Drug Delivery	**Biomedical Robotics** - BME6115 Biorobotics - BME6121 Biomechanics - BME6138 Robotics in Minimally Invasive Healthcare	**Flexible Bioelectronics** - BME6142 Rapid Diagnostic Devices for Personalized Healthcare	
2	A	**Elective courses for selection@:**					6
		Bioimaging - BME5110 Biomedical Engineering Design	**BioMEMS** - BME6101 Manufacturing of Biomedical Devices - BME6111 Biomedical Instrumentation	**Nanomedicine / Biomaterials** - BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications	**Biomedical Robotics** - BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications	**Flexible Bioelectronics** - BME6123 Flexible Bioelectronics for Medical Applications	
	B	**Elective courses for selection@:**					6
		Bioimaging - BME6118 Biomedical Imaging and Biophotonics - BME6140 Advanced Optical Microscopy for Biomedical Engineering	**BioMEMS** - BME6005 Micro Systems Technology	**Nanomedicine / Biomaterials** - BME6135 Engineering Principles for Drug Delivery	**Biomedical Robotics** - BME6115 Biorobotics - BME6121 Biomechanics - BME6138 Robotics in Minimally Invasive Healthcare	**Flexible Bioelectronics** - BME6142 Rapid Diagnostic Devices for Personalized Healthcare	
						Total CUs =	**30**

Remarks:
( ) number of credit units
@ Courses list may change subject to changes in the programme and/or demand for individual courses.

MSBME Study Path (2025 Cohort)
Part-time Normal Study Path via **Dissertation** (1.5 Years)

<table>
<tr><th>Yr.</th><th>Sem.</th><th colspan="6">Courses</th><th>CUs</th></tr>
<tr><td rowspan="4">1</td><td>A</td><td colspan="6"><u>Elective courses for selection@</u>:</td><td>9</td></tr>
<tr><td></td><td><u>Bioimaging</u>

- BME5110 Biomedical Engineering Design</td><td><u>BioMEMS</u>

- BME6101 Manufacturing of Biomedical Devices

- BME6111 Biomedical Instrumentation</td><td><u>Nanomedicine / Biomaterials</u>

- BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications</td><td><u>Biomedical Robotics</u>

- BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications</td><td colspan="2"><u>Flexible Bioelectronics</u>

- BME6123 Flexible Bioelectronics for Medical Applications</td></tr>
<tr><td>B</td><td colspan="5"><u>Elective courses for selection@</u>:</td><td rowspan="3">BME6008 Dissertation (2 CUs)

+
(3 CUs)

+
(4CUs)
Maximum 6 semesters</td><td>11</td></tr>
<tr><td></td><td><u>Bioimaging</u>

- BME6118 Biomedical Imaging and Biophotonics

- BME6140 Advanced Optical Microscopy for Biomedical Engineering</td><td><u>BioMEMS</u>

- BME6005 Micro Systems Technology</td><td><u>Nanomedicine / Biomaterials</u>

- BME6135 Engineering Principles for Drug Delivery</td><td><u>Biomedical Robotics</u>

- BME6115 Biorobotics

- BME6121 Biomechanics

- BME6138 Robotics in Minimally Invasive Healthcare</td><td><u>Flexible Bioelectronics</u>

- BME6142 Rapid Diagnostic Devices for Personalized Healthcare</td></tr>
<tr><td>S</td><td colspan="5"><u>Elective courses for selection@</u>:</td><td>3 or 6</td></tr>
<tr><td></td><td colspan="2"><u>Nanomedicine / Biomaterials</u>

- BME6141 Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics</td><td colspan="3"><u>Flexible Bioelectronics</u>

- BME6117 Biomedical Safety and Risk Assessment</td></tr>
<tr><td rowspan="2">2</td><td>A</td><td colspan="5"><u>Elective courses for selection@</u>:</td><td rowspan="2">4 or 7</td></tr>
<tr><td></td><td><u>Bioimaging</u>

- BME5110 Biomedical Engineering Design</td><td><u>BioMEMS</u>

- BME6101 Manufacturing of Biomedical Devices

- BME6111 Biomedical Instrumentation</td><td><u>Nanomedicine / Biomaterials</u>

- BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications</td><td><u>Biomedical Robotics</u>

- BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications</td><td><u>Flexible Bioelectronics</u>

- BME6123 Flexible Bioelectronics for Medical Applications</td></tr>
<tr><td colspan="7">Total CUs =</td><td>30</td></tr>
</table>

Remarks:
( ) number of credit units
@ Courses list may change subject to changes in the programme and/or demand for individual courses.

Course Selection Hints

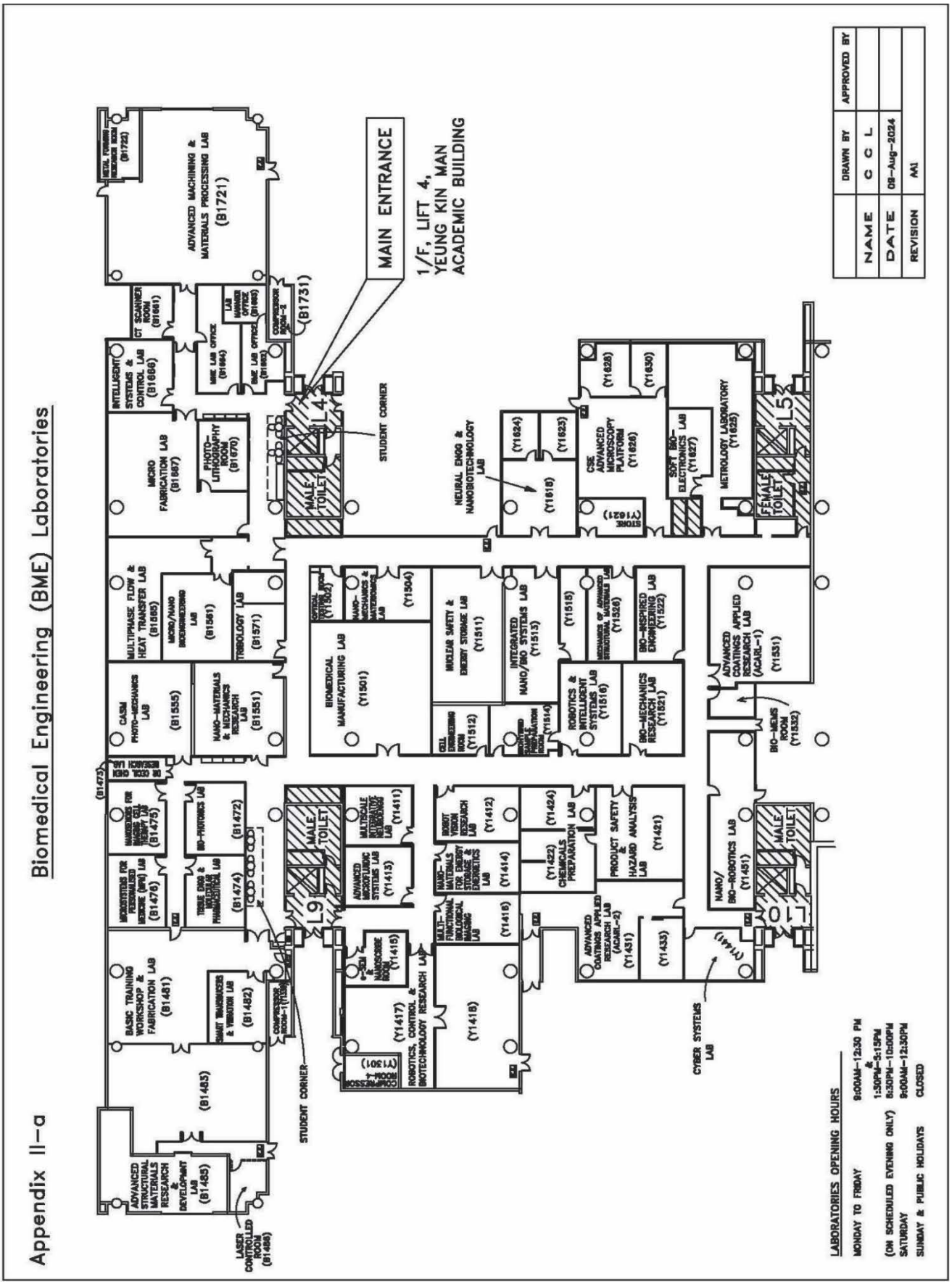
Course Content	Weighting (0-100%)	Level of challenge (1 lowest - 5 highest)	Weighting (0-100%)	Level of challenge (1 lowest - 5 highest)	Weighting (0-100%)	Level of challenge (1 lowest - 5 highest)
	BME5110 Biomedical Engineering Design		BME6005 Micro Systems Technology		BME6118 Biomedical Imaging and Biophotonics	
Biology	30	3				
Chemistry	10	4	20	2		
Mathematics	10	4	20	2	50	4
Engineering	50	5	60	4	50	3
Others						
Total	100%		100%		100%	
	BME6101 Manufacturing of Biomedical Devices		BME6111 Biomedical Instrumentation		BME6135 Engineering Principles for Drug Delivery	
Biology	20	2	10	2	20	1
Chemistry	20	2	10	1	20	2
Mathematics	30	2	15	3	10	3
Engineering	30	3	65	5	30	4
Others					20(Physiology)	3
Total	100%		100%		100%	
	BME6115 Biorobotics		BME6117 Biomedical Safety and Risk Assessment		BME6123 Flexible Bioelectronics for Medical Applications	
Biology	20	2	35	3	20	2
Chemistry			30	3	15	2
Mathematics	40	3.5			5	2
Engineering	40	3.5	35	3	60	3
Other						
Total	100%		100%		100%	

	BME6121 Biomechanics	
Biology	20	2
Chemistry		
Mathematics	40	3.5
Engineering	40	3.5
Other		
Total	100%	

Course Selection Hints

Course Content	Weighting (0-100%)	Level of challenge (1 lowest - 5 highest)	Weighting (0-100%)	Level of challenge (1 lowest - 5 highest)	Weighting (0-100%)	Level of challenge (1 lowest - 5 highest)
	BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications		BME6138 Robotics in Minimally Invasive Healthcare		BME6140 Advanced Optical Microscopy for Biomedical Engineering	
Biology	20	4	10	2	5	1
Chemistry	30	4	5	1	0	1
Mathematics	5	2	15	3	15	2
Engineering	35	4	50	4	40	3
Other	10	3	20 (Medicine)	3	40 (physics/ optics)	3
Total	100%		100%		100%	
	BME6141 Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics		BME6142 Rapid Diagnostic Devices for Personalized Healthcare		BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications	
Biology	30	3	10	1	10	1
Chemistry	20	2	25	2	0	1
Mathematics	25	3	15	2	40	4
Engineering	25	2	50	3	50	4
Other						
Total	100%		100%		100%	

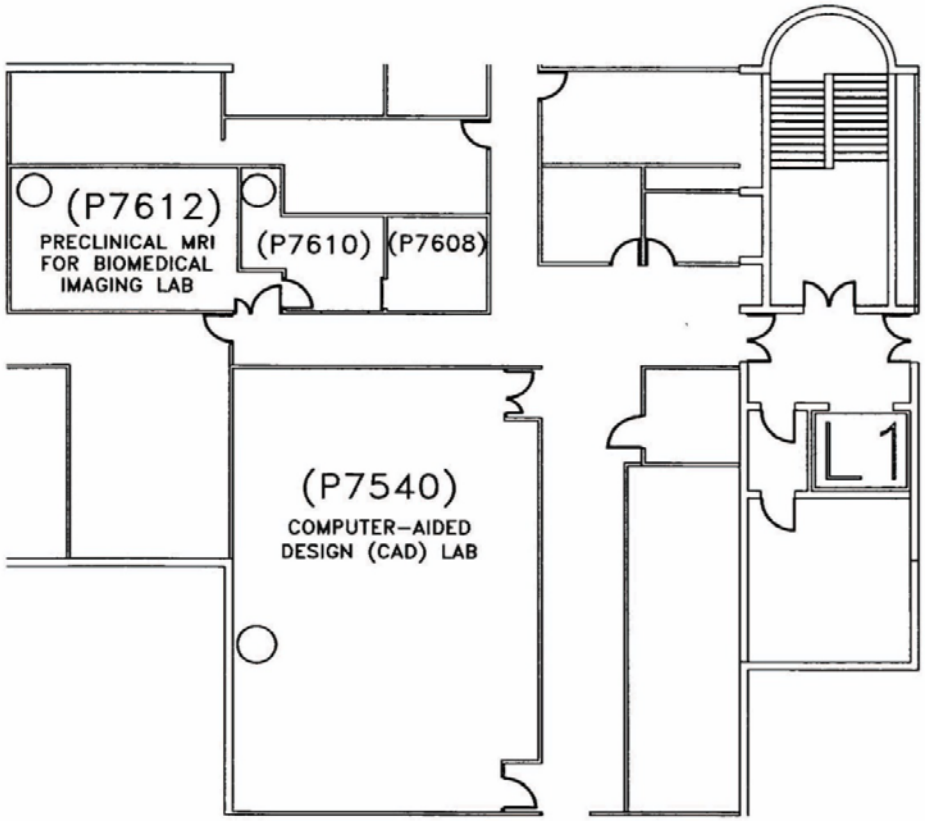
Appendix II: Laboratory Maps



Biomedical Engineering (BME) and Mechanical Engineering (MNE) Laboratories

Appendix II-b

7/F, LIFT 1, PURPLE ZONE,
YEUNG KIN MAN
ACADEMIC BUILDING

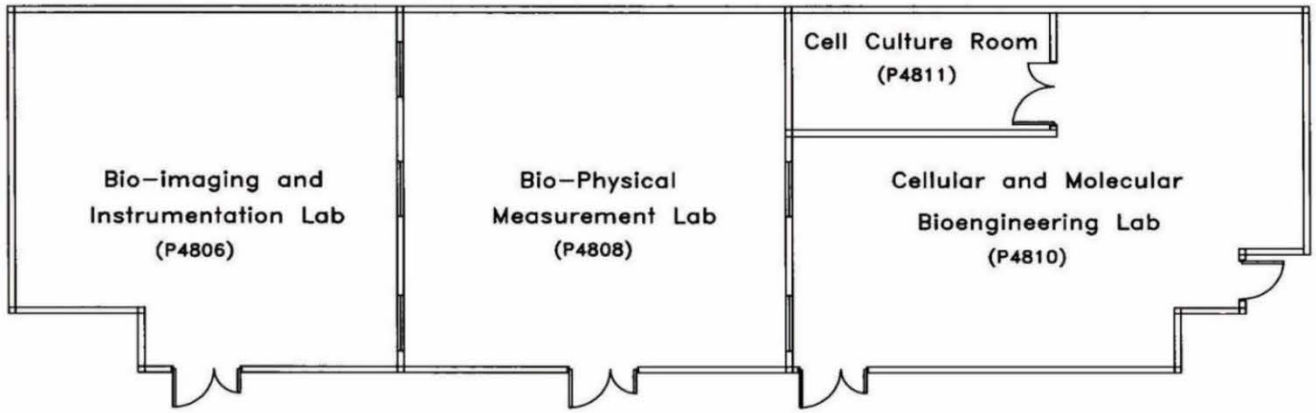


	DRAWN BY	APPROVED BY
NAME	C C L	
DATE	03-JUL-2018	
REVISION	A	

BIOMEDICAL ENGINEERING LABORATORIES (BME LAB.)

Appendix II-c

4/F, LIFT 17, PURPLE ZONE,
YEUNG KIN MAN
ACADEMIC BUILDING



	DRAWN BY	APPROVED BY
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DATE	12-Jul-2019	
REVISION	V	