



Department of
Biomedical Engineering

The Chinese University of Hong Kong

TOWN HALL MEETING

(Term 2, 2025-26)

Prof. WANG Dongan
BME Department Chairperson

20 March 2026 (Fri)

2:00 – 3:00 PM



<http://www.bme.cuhk.edu.hk>



CUHK Biomedical Engineering



BMEDEPT



CUHK Biomedical Engineering

(BME Website => Students => Undergraduate Students => Town Hall Meeting)

Regular Town Hall Meeting

Town Hall meetings will be held every semester to ensure good communication with students in BME.

Agenda

- **Programme Outcomes**
- **Stream Preference and Declaration**
- **Elective Course Offering in 2026-27 (Tentative)**
- **BME Graduates Survey 2025**
- **CUHK BME Joint Summer Course (BMEG 3920)**
- **Summer Internship (Overseas and Local)**
- **Q&A Session**

Programme Outcomes

BME Programme Outcomes	
PO1	an ability to master the required knowledge of mathematics, natural science, computer science, and engineering and apply them appropriately to the BME discipline in general and/or to a specialized BME area to develop solutions to complex engineering problems
PO2	an ability to conduct investigations of complex engineering problems using research methods including research-based knowledge, design of experiments, data collection on humans and other biological specimens, analysis and interpretation of data, and synthesis of information to provide valid conclusions and address health-related issues
PO3	an ability to design creative and sustainable solutions for complex engineering problems and design systems, components or processes to meet desired needs within realistic constraints, and to develop innovative technologies to serve the ethical, healthcare, safety, and environmental needs of society
PO4	an ability to identify, formulate, research literature and analyse complex engineering problems critically, reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences
PO5	an ability to create, select and apply appropriate techniques, skills, and modern engineering tools necessary for BME practice and to support detailed analysis of complex engineering problems
PO6	an ability to use the computer/IT tools relevant to the BME discipline, including prediction and modelling, along with an understanding of their processes and limitations of such techniques, resources and tools
PO7	an ability to communicate effectively and inclusively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, taking into account cultural, language, and learning differences
PO8	an ability to apply knowledge of engineering management principles and economic decision-making to one's own work, and to demonstrate leadership, to manage projects, and to function on multi-disciplinary teams effectively as an individual, and in different roles of diverse and inclusive teams and in various settings as needed
PO9	an ability to apply ethical principles and commit to professional ethics and norms of engineering practice, to adhere to relevant national and international laws with the understanding of the need for diversity and inclusion, and to analyse and evaluate the impact of engineering solutions in a global, environmental and societal context, especially the importance of health, safety and environmental considerations to both workers and the general public when solving complex engineering problems
PO10	a readiness to stay abreast of contemporary issues and recognise the need for, and have the preparation and ability for i) independent and life-long learning, ii) adaptability to new and emerging technologies, and iii) critical thinking in the context of technological change

Programme Outcomes

Matching between the Programme Outcomes and the HKIE Required Outcomes

HKIE's Graduate Attributes	BME Programme Outcomes
(a) Apply knowledge of mathematics, natural science, computer science and engineering appropriate to the degree discipline to develop solutions to complex engineering problems	PO1
(b) Identify, formulate, research literature and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences with holistic considerations for sustainable development	PO4
(c) Design creative and sustainable solutions for complex engineering problems and design systems, components or processes to meet identified needs with appropriate economic, environmental, social, political, ethical, cultural, health and safety, whole-life cost, net zero carbon, manufacturability considerations as required	PO3
(d) Conduct investigations of complex engineering problems using research methods including research-based knowledge, design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions	PO2
(e) Create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling, to support detailed analysis of complex engineering problems, and recognise limitations of such techniques, resources and tools	PO5, PO6
(f) Analyse and evaluate the impact of engineering solutions in a global, economic, environmental and societal context, especially the importance of health, safety, legal, and sustainable development* considerations to both workers and the general public when solving complex engineering problems	PO9
(g) Apply ethical principles and commit to professional ethics and norms of engineering practice and adhere to relevant national and international laws with the understanding of the need for diversity and inclusion	PO9
(h) Function effectively as an individual, and in different roles of diverse and inclusive teams and in various settings as needed	PO8
(i) Communicate effectively and inclusively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, taking into account cultural, language, and learning differences	PO7
(j) Apply knowledge of engineering management principles and economic decision-making to one's own work, and to manage projects and in multidisciplinary environments	PO8
(k) Stay abreast of contemporary issues and recognise the need for, and have the preparation and ability for i) independent and life-long learning, ii) adaptability to new and emerging technologies, and iii) critical thinking in the context of technological change	PO10

Stream Preference and Declaration



Students may choose not to specialize in any stream or to specialize in one of the three streams and complete **at least 12 units from the elective courses listed in the study scheme**, at most one elective at 2000 or below level, plus BMEG4998/ESTR4998 and BMEG4999/ESTR4999, prescribed by the stream.

Important Date

By 6 February 2026 (Fri)

Survey on Stream Preference & BMEG Elective Course Offering in the next academic year 2026-27. (For Yr 1 (senior-year entry and advance standing), Yrs 2-3 & Yr 4 (extend graduation term to 2026-27))

<https://cloud.itsc.cuhk.edu.hk/webform/view.php?id=13726085>

By 29 May 2026 (Fri)

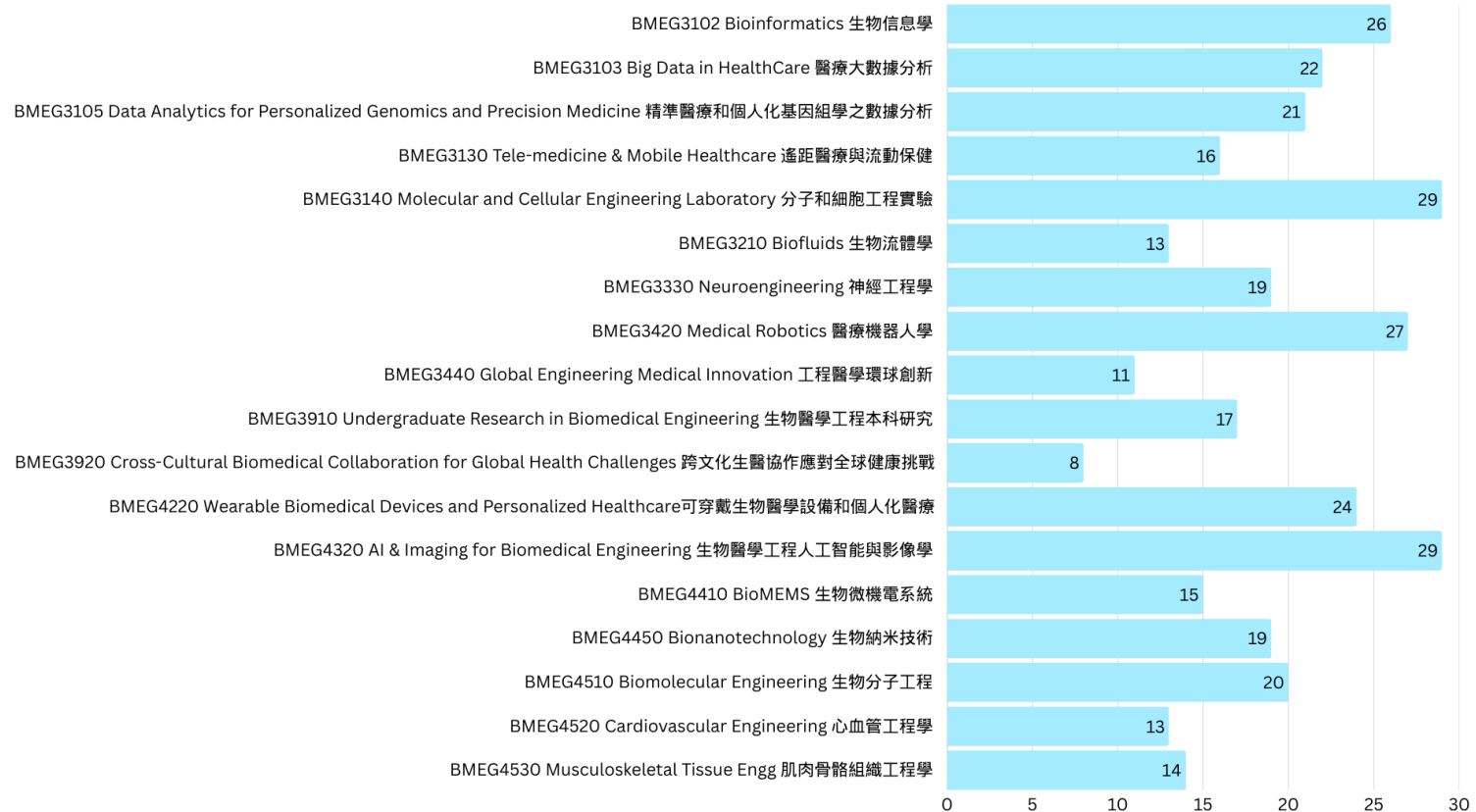
Students who are expected to graduate in Term 2, 2025-26, and would like to declare stream, please complete the form.

<https://cloud.itsc.cuhk.edu.hk/webform/view.php?id=13726478>

A Certified Letter for the BME Stream will be issued to students who have fulfilled the course requirement of the stream by August 2026.

Stream Preference and Declaration

Total no. of Students who are interested to take the elective in 2026-27



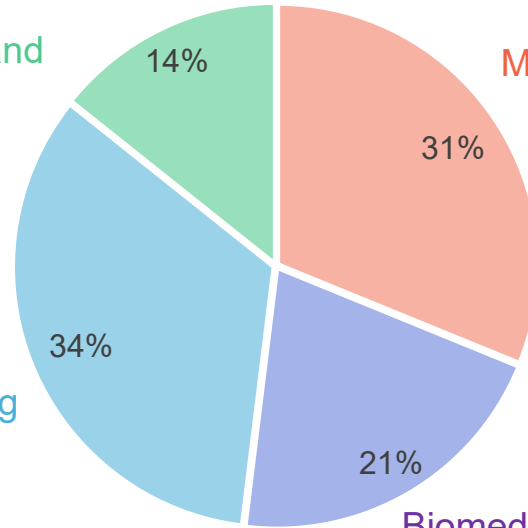
Stream Preference and Declaration



Stream Preference
No. of Response: 77

I do not have any stream preference and do not want to declare any stream

Molecular, Cell and Tissue Engineering



Medical Instrumentation and Biosensors

Biomedical Imaging, Informatics and Modeling

Elective Course Offering 2024-27

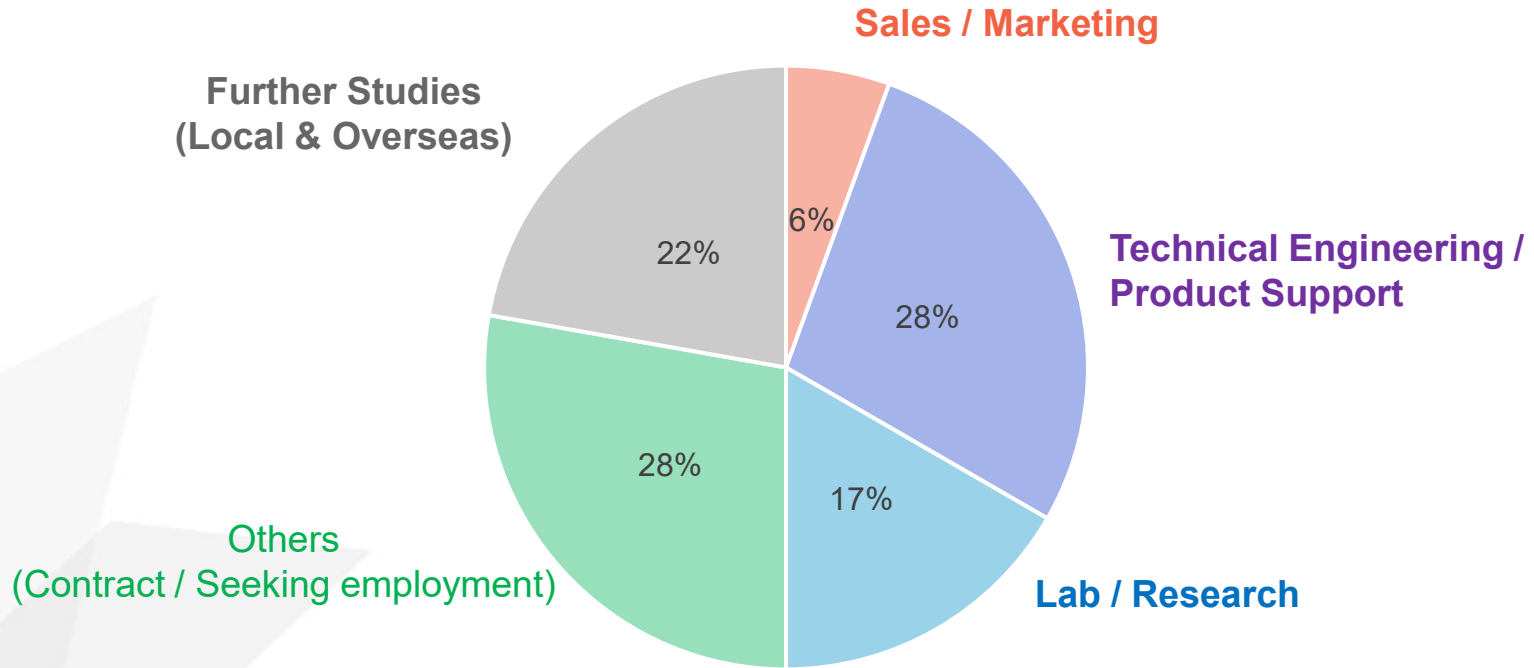
Course Code	Stream	Course Title	Unit(s)	2024-25 (Term)	2025-26 (Term)	2026-27 (Term) Tentative
BMEG3102	BIIM	Bioinformatics	3	2	-	2
BMEG3103	MIB/ BIIM	Big Data in HealthCare	3	1	1	1
BMEG3105	BIIM/MCTE	Data Analytics for Personalized Genomics and Precision Medicine	3	1	1	1
BMEG3130	MIB	Tele-Medicine and Mobile Healthcare	3	-	-	-
BMEG3140	MCTE	Molecular and Cellular Engineering Laboratory	3	1	1	1
BMEG3210	MIB/MCTE	Biofluids	3	-	-	2
BMEG3330	MIB	Neuroengineering	3	1	1	1
BMEG3420	MIB	Medical Robotics	3	2	2	2
BMEG3440	MIB/BIIM/ MCTE	Global Engineering Medical Innovation	3	2	2	-
BMEG3910	-	Undergraduate Research in Biomedical Engineering	3	1 & 2	1 & 2	1&2
BMEG3920	-	Cross-Cultural Biomedical Collaboration for Global Health Challenges	3	Summer	Summer	-
BMEG4220	MIB/BIIM	Wearable Biomedical Devices and Personalized Healthcare	3	1	1	1
BMEG4320	BIIM	AI & Imaging for Biomedical Engineering	3	-	1	2
BMEG4410	MIB/MCTE	BioMEMS	3	-	2	-
BMEG4450	MIB/MCTE	Bionanotechnology	3	2	2	2
BMEG4510	MCTE	Biomolecular Engineering	3	2	-	2
BMEG4520	MIB/BIIM/ MCTE	Cardiovascular Engineering	3	-	2	-
BMEG4530	MCTE	Musculoskeletal Tissue Engineering	3	2	2	-

Policy of Course Cancellation Due to Low Enrollment Rate

- Minimum enrollment no. for elective courses: 12
- Elective courses may be cancelled if the enrollment no. is BELOW 12 after the course registration period of the semester
- General Office will inform students who registered the course will be cancelled and provide assistance to students for course registration

BME Graduates Survey 2025

Graduates Responses: 18



For internal use only (BME)

BME Activities

Career Talk 2026

Date: 20 March 2026 (Friday) **Today**

Time: 6:00 PM – 8:00 PM

Venue: ERB_LT

Register Now!



CAREER TALK 2026

 **Date :** 20 MAR 2026, Friday  **Time :** 18:00 - 20:00 pm  **Venue:** ERB_LT

DEEPEN

Your Understanding of the Healthcare Industry!

Join us for an engaging session featuring :

MR. PATRICK TAM

MR. DENNIS LEUNG

*Biomedical Engineer I,
Gleneagles Hospital Hong Kong*

MS. VIVIAN LEUNG

*Biomedical Engineer
Hong Kong Adventist Hospital - Tsuen Wan*

MR. TONY LAM

*Engineer/Training 1/3
Electrical and Mechanical Services Department (EMSD)*

*This is a great opportunity to learn about future career trends
and upcoming internship arrangements for the summer.*

Enroll

Now!

For more information on BME



CUHK BME Joint Summer Course

BMEG3920 Cross-Cultural Biomedical Collaboration for Global Health Challenges (3 credit)

Three Participating Campuses (each campus recruits up to 10 students)

- The Chinese University of Hong Kong, HK
- Glasgow College, UESTC (Chengdu and Hainan), CN
- University of Glasgow, UK

Course Highlights

- **International Collaboration:** Students from all three campuses work together, fostering global perspectives and cross-cultural exchange
- **Dual-Locale Format:** The course is conducted in Chengdu and Hong Kong, scheduled for Summer 2026
- **18-day program** with hands-on projects and interactive learning (9 days in Chengdu and 9 days in Hong Kong)
- **Comprehensive Curriculum:** Combines both classroom teaching and project-based learning

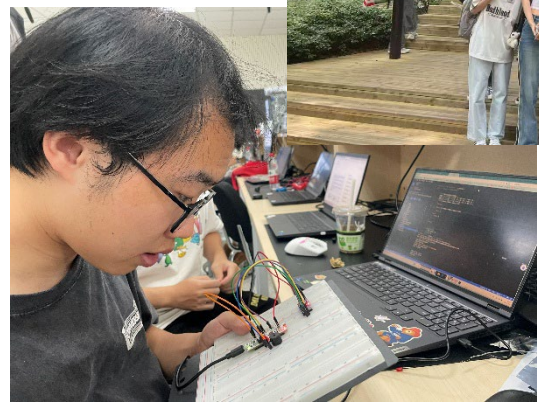
Extracurricular Activities:

- **Cultural Tours:** Discover and experience local traditions
- **Company Visits:** Gain industry exposure and practical insights through site visits in the Greater Bay Area and the Chengdu-Chongqing Economic Circle



香港中文大學
The Chinese University of Hong Kong





Summer Internship Opportunities



1

BME Overseas Research Exchange

2

Local Internship

- **BME Undergraduate Research Internship**
 - **Faculty Undergraduate Summer Research Internship**
 - **Government, Hospitals & Companies**
- 

Summer Internship Opportunities

1

BME Overseas Summer Research Exchange (Summer 2026, 8-10 weeks)

Interested students should complete the attached application form and submit it with all required documents to the department at bmeinfo@cuhk.edu.hk by 5:00pm on 22 December 2025 (Mon).

***** Late applications will not be considered *****

Important Date

Application Deadline	By 5:00pm on 22 December 2025
Interview by the BME Panel	8-9 January 2026
Matching and Nomination to the Hosts	12-23 January 2026
Interview and Decision by the Hosts	24 January – 6 February 2026
Official Notification of Acceptance	By the end of February 2026

Summer Internship Opportunities

1

BME Overseas Summer Research Exchange (Summer 2026, 8-10 weeks)

Overseas Institutions	Matching results (No. of Applicants: 8)
University of Sydney, Australia	1
Mohamed bin Zayed University of Artificial Intelligence, Abu Dhabi, UAE	3
McGill University, Canada	-
Western University, Canada	-
Technische Universität Dresden (TU Dresden), Germany	2
New Zealand College of Chiropractic	-
National Tsing Hua University, Taiwan	1

All information has been uploaded to our Department's website:

http://www.bme.cuhk.edu.hk/new/overseas_internship.php

Summer Internship Opportunities

2

Local Internship

BME Undergraduate Research Internship

http://www.bme.cuhk.edu.hk/new/ug_internship.php

Students must demonstrate strong academic performance, with a cumulative GPA of 2.8 or higher.

Please note that final-year students are not allowed to participate during the summer.



The screenshot displays the CUHK BME website interface. At the top left is the CUHK BME logo. A search bar on the top right contains the text "ENHANCED BY Google". A vertical navigation menu on the left lists: WELCOME, ABOUT US, RESEARCH, ADMISSION, STUDENTS, STAFF, ALUMNI, UPCOMING BME ACTIVITIES, EQUIPMENT BOOKING, and RECRUITMENT. The main content area features a large graphic of a DNA double helix intertwined with a stylized blue and green molecular structure. Below this graphic, the text "BME UNDERGRADUATE RESEARCH INTERNSHIP 2025-26" is displayed in white, with "CUHK BME" in large green letters and a yellow heartbeat line graphic underneath. At the bottom, a "DOCUMENTS" section lists three items: "Programme Information (link)", "Details of Vacancy (Open for Application) (link)", and "Application Form (link)".

Summer Internship Opportunities

2

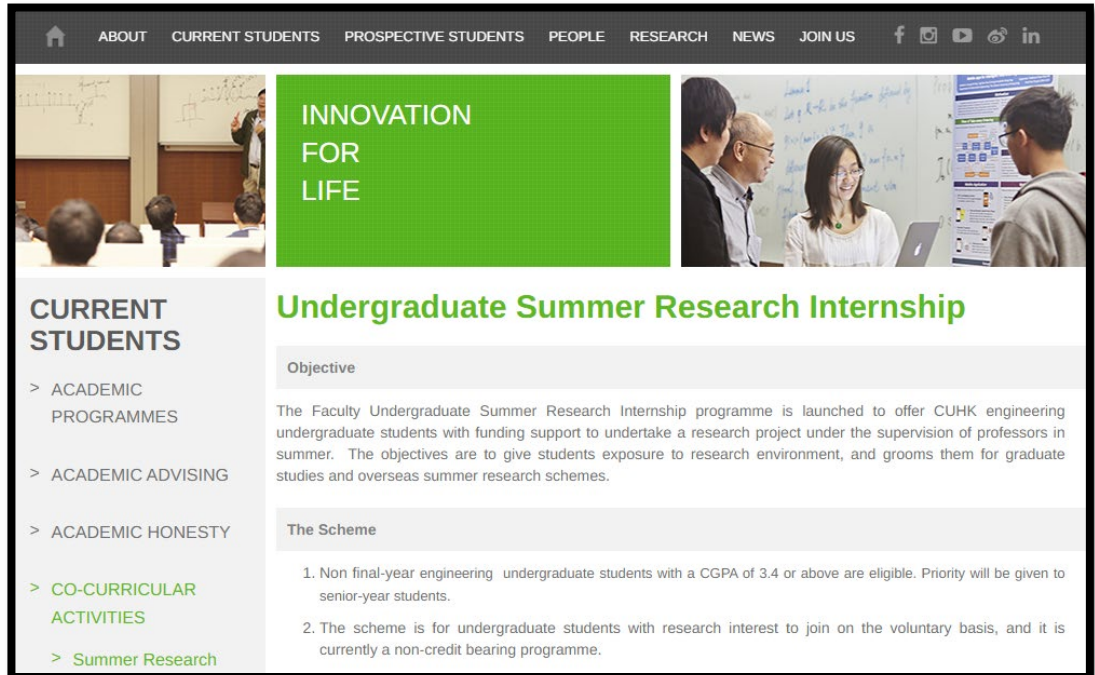
Local Internship

Faculty Undergraduate Summer Research Internship

<https://www.erg.cuhk.edu.hk/erg/SummerResearchInternship>

Non-final year undergraduate students with a cumulative GPA of 3.4 or above are eligible to apply.

Detailed information will be provided by ENF in **late March 2026**. Students will have 2–3 weeks to approach a professor in the Faculty (in any department) to be his/her supervisor.



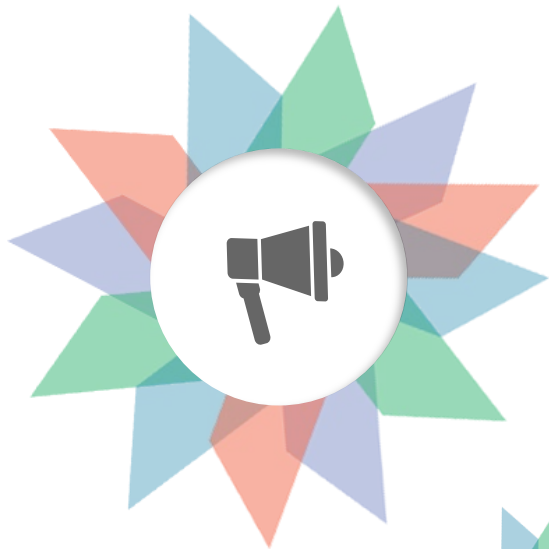
The screenshot shows a webpage with a dark navigation bar at the top containing links for ABOUT, CURRENT STUDENTS, PROSPECTIVE STUDENTS, PEOPLE, RESEARCH, NEWS, and JOIN US, along with social media icons for Facebook, Instagram, YouTube, and LinkedIn. The main content area features a green banner with the text "INNOVATION FOR LIFE" and a photograph of students in a classroom. Below the banner, the "CURRENT STUDENTS" section is visible, with a list of categories: ACADEMIC PROGRAMMES, ACADEMIC ADVISING, ACADEMIC HONESTY, CO-CURRICULAR ACTIVITIES (highlighted in green), and Summer Research (highlighted in green). The "Undergraduate Summer Research Internship" section is also visible, with an "Objective" section stating that the program is launched to offer CUHK engineering undergraduate students with funding support to undertake a research project under the supervision of professors in summer. The objectives are to give students exposure to research environment, and groom them for graduate studies and overseas summer research schemes. The "The Scheme" section lists two points: 1. Non final-year engineering undergraduate students with a CGPA of 3.4 or above are eligible. Priority will be given to senior-year students. 2. The scheme is for undergraduate students with research interest to join on the voluntary basis, and it is currently a non-credit bearing programme.

Summer Internship Opportunities

2

Local Internship

Government, Hospitals & Companies	Quota	Application Deadline
CUHK Medical Centre	2	31 March 2026
Gleneagles Hospital	1	30 March 2026
Hong Kong Adventist Hospital (Stubbs Road)	1-2	4 May 2026
Hong Kong Adventist Hospital (Tsuen Wan)	1-2	30 April 2026
Hospital Authority	1-2	15 April 2026
St Paul's Hospital	2	10 April 2026
GE Medical Systems HK Ltd	2	17 April 2026



Q & A Session

Follow us for BME-updated news!



<http://www.bme.cuhk.edu.hk>



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