



Faculty of Engineering
THE UNIVERSITY OF HONG KONG

HANDBOOK

for First Year Students

BEng

BEng(BME)

BEng(DS&E)

BEng(EngSc)

BA Sc(FinTech)

BEng/BEng(BME) and BBA

2022-2023

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A. CURRICULA IN THE FACULTY OF ENGINEERING

The Faculty offers six tracks of study, corresponding to the JUPAS codes 6963, 6925, 6262, 6951, 6248 and 6937 respectively: Bachelor of Engineering (**BEng**), Bachelor of Engineering in Biomedical Engineering [**BEng(BME)**] (abbreviated hereafter as **BME**), Bachelor of Engineering in Data Science and Engineering [**BEng(DS&E)**] (abbreviated hereafter as **DS&E**), Bachelor of Engineering in Engineering Science [**BEng(EngSc)**] (abbreviated hereafter as **EngSc**), Bachelor of Arts and Sciences in Financial Technology [**BASc(FinTech)**] (abbreviated hereafter as **FinTech**) and the Double Degree in the Bachelor of Engineering/Bachelor of Engineering in Biomedical Engineering and Bachelor of Business Administration (abbreviated hereafter as **BEng/BEng(BME)** and **BBA**).

Bachelor of Engineering (BEng)

BEng students will go through a common first year, before they decide on the major (at the end of the first year) for the remaining three years. They can select one of the following 7 programmes as their major, and the “Home Departments” of respective programmes are shown in boldface. For the common first year, the “Home Department” is the Faculty itself.

Department of Civil Engineering

Bachelor of Engineering in Civil Engineering [BEng(CivE)]

Department of Computer Science

Bachelor of Engineering in Computer Science [BEng(CompSc)]

Department of Electrical and Electronic Engineering

Bachelor of Engineering in Computer Engineering [BEng(CE)]

Bachelor of Engineering in Electrical Engineering [BEng(EE)]

Bachelor of Engineering in Electronic Engineering [BEng(ElecE)]

Department of Industrial and Manufacturing Systems Engineering

Bachelor of Engineering in Industrial Engineering and Logistics Management [BEng(IELM)]

Department of Mechanical Engineering

Bachelor of Engineering in Mechanical Engineering [BEng(ME)]

Double Degree in the Bachelor of Engineering/Bachelor of Engineering in Biomedical Engineering and Bachelor of Business Administration (Global Engineering and Business Programme) [BEng/BEng(BME) and BBA]

For the Double Degree in BEng/BEng(BME) and BBA students, same as BEng students, they will go through a common first year, before they decide on the major of Engineering (at the end of the first year) for the remaining three years (except BME students). They can select one of the above 7 programmes as their major, and the “Home Departments” of respective programmes are shown above. For the common first year, the “Home Department” for BEng students is the **Faculty** itself. And the “Home Department” for BME students is also the **Faculty** itself throughout the entire four years.

Students may choose one of the following majors of the BBA:

- Major in Entrepreneurship, Design and Innovation
(Note: Candidates must undergo a selection process arranged by the Programme Coordinator for EDI)
- Major in Finance
- Major in Human Resource Management
- Major in Information Systems and Analytics
(Note: Major in ISA is not open to candidates of BEng in Computer Science)
- Major in Marketing

Bachelor of Engineering in Biomedical Engineering [BEng(BME)]

For BME students, there is no common first year, and students begin their studies towards the BME degree in the first year of studies. The “Home Department” for BME students is the **Faculty of Engineering** throughout the entire four years.

Bachelor of Engineering in Data Science and Engineering [BEng(DS&E)]

For DS&E students, there is no common first year, and students begin their studies towards the DS&E degree in the first year of studies. The “Home Department” for DS&E students is the **Department of Computer Science** throughout the entire four years.

Bachelor of Engineering in Engineering Science [BEng(EngSc)]

For EngSc students, there is no common first year, and students begin their studies towards the EngSc degree in the first year of studies. The “Home Department” for EngSc students is the **Department of Industrial and Manufacturing Systems Engineering** throughout the entire four years.

Bachelor of Arts and Sciences in Financial Technology [BAsC(FinTech)]

FinTech students begin their studies towards the FinTech degree in the first year of studies. The “Home Department” for FinTech students is the **Department of Computer Science** throughout the entire four years.

1. Curriculum Structure

To complete the BEng/BME/DS&E/EngSc/FinTech curriculum, students are required to take 240 credits of courses normally spread over four years of full-time study.

For BEng/BME/DS&E/EngSc students

| | No. of Credits | | | |
|---|-------------------------------------|---------------|------|---------|
| | BEng | BME | DS&E | EngSc |
| University Requirements - Language Enhancement Courses - Common Core Courses - Non-credit bearing courses as required by the University | | 18 36 0 | | |
| Engineering Core Courses | 42 | 42 | 24 | 30 – 36 |
| Programme Common Core Courses | -- | -- | -- | 18 |
| Disciplinary Requirements Core, elective, capstone experience, internship, engineering training | 120 – 132 [102 for BEng(CompSc)] | 132 | 90 | 42 – 48 |
| Other / free electives | 12 – 24 [42 for BEng(CompSc)] | 12 | 72 | 90 |
| Total: | 240 | | | |

For FinTech students

| | No. of Credits | |
|---|----------------|-----|
| | BEng | BME |
| University Requirements - Language Enhancement Courses - Common Core Courses - Non-credit bearing courses as required by the University | 12 24 0 | |
| BAsC Requirements | 18 | |
| Disciplinary Requirements Core, elective, capstone experience | 96 | |
| Electives | 90 | |
| Total: | 240 | |

Please refer to the Regulations and Syllabuses of BEng/BME/DS&E/EngSc/FinTech 2022-23 which could be viewed at <https://engg.hku.hk/home/syllabuses.htm> for curriculum requirements of each programme.

For BEng/BME and BBA students

Students are required to indicate whether BEng or BME programme would undertake during the first four years of study after performing master registration. In this regard, students pursuing BEng/BEng(BME) and BBA double degree programme should refer to the Regulations and Syllabuses of respective programme at <https://engg.hku.hk/home/syllabuses.htm> and <https://engg.hku.hk/Teaching-Learning/BEng-BAsC/Academic-Programmes/Double-Degree>.

2. Programme Selection (For BEng students only)

Students admitted to BEng degree will choose their desired study programme after their first year of studies, with a soft quota of around 25% of the total number of first year intake of the respective year imposed on each department of the Faculty of Engineering. The allocation will be on the basis of academic performance as stipulated below:

- (a) the Cumulative GPA (CGPA) of the best eight courses taken in students' first year of studies will be counted;
- (b) among the eight courses to be counted, at least four courses must be offered by the Faculty of Engineering; and the following courses will be regarded as offered by the Faculty of Engineering:
 - (i) MATH1851 Calculus and ordinary differential equations
 - (ii) MATH1853 Linear algebra, probability and statistics

Remarks: A criterion of tie-breaker may be applied to address the quota issue precisely.

The above is **NOT** applicable to BME, DS&E, EngSc and FinTech students. EngSc students can declare their major option(s) during the course selection and add/drop period. For details, please refer to "C. DECLARATION OF MAJOR / MINOR".

3. Advanced Standing

Advanced standing may be granted to students in recognition of studies completed successfully before admission to the University in accordance with UG2 of the Regulations for First Degree Curricula. The amount of credits to be granted for advanced standing shall be determined by the Board of the Faculty, in accordance with the following principles:

- (a) a minimum of four semesters of study at this University shall be required before a student is considered for the award of the degree; and
- (b) at least half of the credits requirements of the degree curriculum shall be accumulated through study at this University, or from transfer of credits for courses completed at other institutions in accordance with UG4(d) of the Regulations for First Degree Curricula.

Credits granted for advanced standing shall not normally be included in the calculation of the GPA unless permitted by the Board of the Faculty but will be recorded on the transcript of the student.

Students who wish to apply for advanced standing are required to complete the form "Application for Advanced Standing Credits" (<https://engg.hku.hk/Portals/0/UG/Advanced-Standing-Application-Form-22-23.pdf>) and submit together with course syllabuses and transcript to the Faculty Office by the designated deadline. Late application or application made in subsequent year of studies will not be considered.

The total number of advanced standing credits granted will be recorded on the transcript after students have successfully transferred to a specified programme in their second year of studies.

The policy on granting advanced standing is summarized as follows:

| | | AD/HD Holders | | 7-yr Secondary Schooling | |
|--------------------------|-------------------------------|---------------------------------------|--------------------------------------|--------------------------|--------------------|
| | | Direct Admitted to Year 3 | Admitted to Year 1 | IB or GCE A Level | Other Exam Systems |
| UG 5 | CUE ¹ | -- | -- | 6 credits | -- |
| | Chinese Language ² | -- | -- | 6 credits | -- |
| | CCC ³ | AD: ≤ 24 credits HD: ≤18 credits | AD: ≤ 24 credits HD: ≤ 18 credits | ≤12 credits | ≤ 12 credits |
| Engineering Core courses | | AD: ≤ 96 credits HD: ≤ 102 credits | ≤ 42 credits | -- | -- |
| Discipline courses | | | | -- | -- |
| Free electives | | | | 6 credits | 6 credits |
| Total | | ≤ 120 credits | AD: ≤ 66 credits HD: ≤ 60 credits | ≤ 30 credits | ≤ 18 credits |

Notes

- Advanced standing credits for CAES1000 will only be granted to applicants who have:
 - achieved in IB Grade 4 or above in English A1/English Language A/English A: Literature/English A: Language and Literature (HL); or Grade 5 or above in English B/English Language B (HL); or Grade 5 or above in English A1/English Language A/English A: Literature/English A: Language and Literature (SL);
 - OR
 - achieved Grade A or above in English Language GCE AL/Advanced Subsidiary Level (ASL)
- For Chinese Language course CENG9001, students should obtain good result in their second language course in IB or GCE ALE.
- Students are required to complete 6 courses (36 credits) in the Common Core Curriculum in four different Areas of Inquiry (Aols). Students shall select at least one but no more than two courses from each Aol during their studies.

The above table is for reference only. The granting of advanced standing is subject to the endorsement of the course offering departments and approval by the Board of the Faculty of Engineering.

4. Credit Transfer (For Student Exchange/Summer Programmes)

Students are required to apply for leave of absence for participating in the student exchange programme and seek prior approval for credit transfer from host institutions to HKU by completing the form "Application for Leave of Absence and Credit Transfer (For Student Exchange Programme)" (https://engg.hku.hk/Portals/0/UG/Exchange_LoA_CreditTransfer.pdf) and submit to the Faculty (for BEng Year 1/BME students)/Home Department (for all other students) for approval on or before the specified deadlines.

Application can only be submitted **ONCE** before departure. Late application will not be considered. Without prior approval from the Faculty/Departments concerned, credits cannot be transferred even if you have successfully completed the course(s) during the exchange study/summer programme.

Students may be granted up to 60 or 30 credits for one year or one semester exchange study respectively. The grades obtained during exchange studies/summer programme will not be counted towards the Cumulative GPA.

5. Exemption

Students are required to take "CENG9001 Practical Chinese for Engineering Students" to fulfil the University requirement and will take the course in their third year of study. Exemption will normally be granted to students who have not studied Chinese Language during their secondary/high school education, however they are recommended to take another language course or to take an elective course to replace "CENG9001 Practical Chinese for Engineering Students" for fulfillment of the graduation requirements for respective programme(s). For details, please refer to "B COURSE REGISTRATION 1 (e) (iii) Chinese Language Enhancement Courses".

B. COURSE REGISTRATION

1. General Information

(a) Loading

Students shall normally select not fewer than 24 credits nor more than 30 credits of courses in any one semester (except the summer semester), unless otherwise permitted or required by the Board of the Faculty, or except in the last semester of study when the number of outstanding credits required to complete the curriculum requirements is fewer than 24 credits. Students may, of their own volition, take additional credits not exceeding 6 credits in each semester, and/or further credits during the summer semester, accumulating up to a maximum of 72 credits in one academic year.

Students with unsatisfactory academic progress may be required by the Board of the Faculty of Engineering to take a reduced study load.

Students who wish to apply for credit overload/underload in each semester should complete the form "Application for Credit Overload/Underload" (<https://engg.hku.hk/Portals/0/UG/Overload-Underload-Application-Form.pdf>) and submit to the Faculty Office (for BEng Year 1 and BME students)/Home Department (for all other students) for approval.

(b) Timetable Clash

Students are not allowed to take any courses with timetable clashed. Please refer to the Faculty's website at <https://engg.hku.hk/Teaching-Learning/BEng/Academic-Programmes/Timetable> for timetable of 2022-23 for first year students.

(c) Pre-requisite

Students are required to check any pre-requisite requirements for the courses to be enrolled. Please refer to the respective syllabus for details.

(d) Common Core Courses

Students are required to complete six courses (36 credits) (For BEng, BME, DS&E and EngSc students)/four courses (24 credits) (For FinTech & BEng/BEng(BME) and BBA students) in the Common Core Curriculum and are strongly advised to complete the courses in their first three years of studies. The four Areas of Inquiry (Aols) are:

- (i) Science, Technology and Big Data (course code: CCSTxxxx)
- (ii) Arts and Humanities (course code: CCHUxxxx)
- (iii) Global Issues (course code: CCGLxxxx)
- (iv) China: Culture, State and Society (course code: CCCHxxxx)

Students shall select at least one and not more than two courses from each Aol with not more than 24 credits of courses being selected within one academic year except where students are required to make up for failed credits.

Approval of course selection of common core courses is on a first-come-first-served basis. Please refer to the Common Core Curriculum website at <https://commoncore.hku.hk> for course description, timetable and its enrollment details.

Common Core courses cannot be taken to fulfil the free elective requirements.

(e) Language Enhancement Courses

(i) CAES1000 Core University English

Students must take CAES1000 Core University English (CUE) course in either the first or second semester of their first year of studies. Students who have achieved Level 5 or above in English Language in the Hong Kong Diploma of Secondary Education Examination (HKDSE), or equivalent, are exempted from this requirement, and CUE is optional. Those who do not take this course should take an elective course in lieu, see Regulation UG6.

A list of qualifications recognized as equivalent to achieving Level 5 or above in the HKDSE English Language Examination

- 1) holder of a Bachelor's degree from an English-medium university
- 2) achieved Grade A or above in English Language GCE Advanced Level (AL)/ Advanced Subsidiary Level (ASL)
- 3) achieved an overall IELTS score of no less than 7 AND with all sub-scores no less than 6.5 on the Reading, Speaking, Listening, and Writing Tests
- 4) achieved an overall TOEFL Internet-based test score of no less than 94 AND no less than a 24 on the writing, a 20 on the speaking, a 20 on the listening, AND a 19 on the reading sections
- 5) achieved in International Baccalaureate (IB) Grade 4 or above in English A1/ English Language A/ English A: Literature/ English A: Language and Literature (HL); or Grade 5 or above in English B/ English Language B (HL); or Grade 5 or above in English A1/ English Language A/ English A: Literature/ English A: Language and Literature (SL)
- 6) achieved Grade 4 or above on the Advanced Placement (AP) English Language/ English Language and Composition/ English Literature and Composition Test
- 7) achieved a NEW Scholastic Aptitude Test (SAT) score of 35 or above on both the Writing & Language Test and Reading Test (from 2016)
- 8) achieved Grade B or above in H1 General Paper at the Singapore GCE A-level
- 9) achieved Grade A or better in English language at Malaysia SPM examination
- 10) achieved Grade A2 or better in Malaysia UEC-Senior English Language
- 11) attained merit (3 points) or above in each set of credits in New Zealand NCEA Literacy (10 credits made up of 5 credits in reading and 5 credits in writing)
- 12) achieved a score of 95% or better in English at All India Senior School Certificate Examination / Higher School Certificate
- 13) achieved a final score of 90% or better in English at Grade 12 Canadian high school curriculum.
- 14) achieved Grade B or better in English Language at Sri Lanka Ordinary examination
- 15) achieved a score of 90 or better in English in the Russian Unified State Exam (Единый государственный экзамен, ЕГЭ, Yediniy gosudarstvenniy ekzamen, EGE)
- 16) Academic Speaking and Writing test conducted by CAES for students who have not taken any of the above tests.

Please note that:

- **JUPAS students with HKDSE English Language Level 3 or Level 4 are NOT allowed to use any of the above equivalent standards to get exempted from CAES1000.**
- **Non-JUPAS students* are NOT allowed to use HKDSE results to get exempted from CAES1000.**
- **Test results (i.e., the above list* and HKDSE) should be in the same year in which students are admitted to the University. Test results obtained after the admission to the University will NOT be considered.**

* **Non-JUPAS students are allowed to use IELTS/TOEFL which is achieved within 2 years before admission to fulfil the English language requirement for admission.**

Course selection arrangement for CUE (First Semester)

- 1) Students are allowed to add/drop CUE classes freely during the course selection period (August 19, 2022, 10:00 am to August 25, 2022, 4:00 pm).
- 2) ITS (SIS) will assign a CUE class to those students who are required to take CUE and but have not successfully enrolled CUE class after the course selection period (August 26, 2022).
- 3) Students are allowed to add/drop CUE classes freely again in the add/drop period (September 1, 2022, 10:00 am to September 15, 2022, 4:00 pm).
- 4) After the end of the add/drop period (September 15, 2022, 4:00 pm), ITS (SIS) will assign a CUE class to those students who have attained Level 3 or Level 4 in HKDSE English Language Examination, or equivalent, and do not have any CUE course enrollment.

Course selection arrangement for CUE (Second Semester)

- 1) Students are allowed to add/drop CUE classes freely again in the add/drop period (January 16, 2023, 10:00 am to February 6, 2023, 4:00 pm).
- 2) After the end of the add/drop period (February 6, 2023, 4:00 pm), ITS (SIS) will assign a CUE class to those students who have attained Level 3 or Level 4 in HKDSE English Language Examination, or equivalent, and do not have any CUE course enrollment.

(ii) English in the Discipline

For BEng students

| Programme | English in the Discipline | | Normally to be taken in |
|--|---------------------------|--|-------------------------|
| Civil Engineering | CAES9540 | Technical English for Civil Engineering | Semester 1, Year 4 |
| Computer Science | CAES9542 | Technical English for Computer Science | Semester 1, Year 4 |
| Computer Engineering Electrical Engineering Electronic Engineering | CAES9541 | Technical English for Electrical and Electronic Engineering | Semester 2, Year 4 |
| Industrial Engineering and Logistics Management | CAES9532 | Technical English for Industrial and Manufacturing Systems Engineering | Semester 2, Year 3 |
| Mechanical Engineering | CAES9544 | Technical English for Mechanical Engineering | Semester 2, Year 4 |

For BME students

| Programme | English in the Discipline | | Normally to be taken in |
|------------------------|---------------------------|--|-------------------------|
| Biomedical Engineering | CAES9531 | Technical English for Biomedical Engineering | Semester 1, Year 3 |

For DS&E students

| Programme | English in the Discipline | | Normally to be taken in |
|------------------------------|---------------------------|--|-------------------------|
| Data Science and Engineering | CAES9542 | Technical English for Computer Science | Semester 1, Year 4 |

For EngSc students

| Major | English in the Discipline | | Normally to be taken in |
|--------------------|---------------------------|----------------------------------|-------------------------|
| Energy Engineering | CAES9541 | Technical English for Electrical | Semester 2, Year |

| | | | |
|---------------------------|----------|--|---------------------------|
| | | and Electronic Engineering | 3/Year 4 |
| Environmental Engineering | CAES9540 | Technical English for Civil Engineering | Semester 1, Year 3/Year 4 |
| Healthcare Engineering | CAES9531 | Technical English for Biomedical Engineering | Semester 1, Year 3 |
| Materials Engineering | CAES9544 | Technical English for Mechanical Engineering | Semester 2, Year 3/Year 4 |
| Systems Analytics | CAES9532 | Technical English for Industrial and Manufacturing Systems Engineering | Semester 1, Year 4 |

For FinTech students

| Programme | English in the Discipline | | Normally to be taken in |
|----------------------|---------------------------|--|-------------------------|
| Financial Technology | CAES9542 | Technical English for Computer Science | Semester 1, Year 4 |

(iii) Chinese Language Enhancement Courses

| Categories | Course to be taken | Proposed Study Year |
|---|--|--|
| Local students | CENG9001 Practical Chinese for Engineering Students | Year 3 |
| Putonghua-speaking students | CUND9002 Practical Chinese and Hong Kong Society or CUND9003 Cantonese for Non-Cantonese Speaking Students | Year 1 |
| Students who have not studied Chinese language during their secondary education / who have not attained the requisite level of competence in the Chinese language | They could be exempted from taking CENG9001 by taking: a 6-credit Cantonese or Putonghua language course offered by the School of Chinese especially for international and exchange students or an elective course in lieu | Year 1 (for other Chinese language courses) |

Students who would like to apply for exemption for CENG9001 are required to complete the form “Application for Exemption from Chinese Language Course” (<https://engg.hku.hk/Portals/0/UG/Application-Exemption-CENG9001.pdf>) and submit together with supporting document(s), if any, to the Faculty Office for approval.

(f) Engineering Core Courses

(i) MATH1851 Calculus and Ordinary Differential Equations and MATH1853 Linear Algebra, Probability and Statistics

Mathematics course requirement for students with different qualifications (✓ means you may choose the course in this semester):

| Qualification and Result in Mathematics | Take MATH1011? | 1st Semester | | | 2nd Semester | |
|---|---|--|----------|----------|--------------|----------|
| | | MATH1011 | MATH1851 | MATH1853 | MATH1851 | MATH1853 |
| HKDSE students | | | | | | |
| With Level 2 or above in M1 or M2 | No | | ✓ | ✓ | ✓ | ✓ |
| Without M1 or M2 | Yes | ✓ | | ✓ | ✓ | ✓ |
| Non-JUPAS | | | | | | |
| Local-AD / HD students admitted to Year 3 via Direct Admission Schemes | No | Advanced standing usually granted for both MATH1851 & MATH1853 | | | | |
| Local-AD / HD students admitted to Year 1 of BEng programmes | | Please refer to “HKDSE students” in this table | | | | |
| International Qualifications | | | | | | |
| IGCSE | | | | | | |
| Cambridge 0444, 0459, 0580, 0606, 0607, 0980; Edexcel 4MA1, 4MB1, 4PM1 | Yes | ✓ | | ✓ | ✓ | ✓ |
| GCE | | | | | | |
| AS level or International AS level (Cambridge 9709 without paper 3; Edexcel 8MA0, XMA01, XFM01, XPM01) | Yes | ✓ | | ✓ | ✓ | ✓ |
| A-Level or International A-Level (Cambridge 9709 with paper 3, 9231; Edexcel 9MA0, YMA01, YFM01, YPM01, 9811) | No | | ✓ | ✓ | ✓ | ✓ |
| Singapore-Cambridge General Certificate of Education Advanced Level Higher 1 (8865) | No | | ✓ | ✓ | ✓ | ✓ |
| Others | Case-by-case evaluation | | | | | |
| International Baccalaureate (IB) | | | | | | |
| With score of 5 or above in Higher Level Mathematics | No | | ✓ | ✓ | ✓ | ✓ |
| Advanced Placement (AP) | | | | | | |
| With score of 4 or above in Calculus BC in Advanced Placement (AP) Test | No | | ✓ | ✓ | ✓ | ✓ |
| National Qualifications | | | | | | |
| Mainland students who have passed National Joint College Entrance Examination (NJCEE) | Mainland students who have passed National Joint College Entrance Examination (NJCEE) are normally allowed to directly enroll in MATH1851 and MATH1853. The Faculty of Engineering will send an email to students with this qualification separately. | | | | | |
| Indian students who have passed All India Senior School Certificate Examination (Grade XII) [AISSCE] | No | | ✓ | ✓ | ✓ | ✓ |
| Indian CBSE Examination (Class 12) | No | | ✓ | ✓ | ✓ | ✓ |
| Taiwanese students who have passed General Scholastic Ability Test (GSAT) | No | | ✓ | ✓ | ✓ | ✓ |

Notes

- Students are recommended not to enroll MATH1851 and MATH1853 in the same semester.
- MATH1011 University Mathematics I is a pre-requisite course for MATH1851 and MATH1853 for students without Level 2 or above in M1/M2 in their HKDSE examination or equivalent. MATH1011 is not for students with Level 2 or above in M1/M2 of HKDSE Mathematics or equivalent; and not for students who have passed or already enrolled in any one of following courses: MATH1009, MATH1013, MATH1821, MATH1851 and level 2 or above mathematics courses; and not for students who have passed MATH1853. Eligible students are required to take MATH1011 in the first semester.

Any other cases/qualifications not covered above will be considered on a case-by-case basis.

(ii) **ENGG13xx Courses**

Students are required to complete the following engineering core courses:

For BEng students

| Course Code | Course Title |
|-------------------------------------|-------------------------------|
| ENGG1300 | Fundamental mechanics |
| ENGG1310 | Electricity & electronics |
| ENGG1320 | Engineers in the modern world |
| ENGG1330 | Computer programming I |
| Choose one of the following: | |
| ENGG1340 | Computer programming II |
| ENGG1350 | Thermofluid mechanics |

For BME students

| Course Code | Course Title |
|-------------|-------------------------------|
| ENGG1300 | Fundamental mechanics |
| ENGG1310 | Electricity & electronics |
| ENGG1320 | Engineers in the modern world |
| ENGG1330 | Computer programming I |
| ENGG1350 | Thermofluid mechanics |

For DS&E students

| Course Code | Course Title |
|-------------|-------------------------------|
| ENGG1320 | Engineers in the modern world |
| ENGG1330 | Computer programming I |
| ENGG1340 | Computer programming II |
| MATH1013 | University mathematics II |

For EngSc students

| Major | Course Code | Course Title |
|---------------------------|-------------|-------------------------------|
| Energy Engineering | ENGG1300 | Fundamental mechanics |
| | ENGG1310 | Electricity & electronics |
| | ENGG1320 | Engineers in the modern world |
| | ENGG1330 | Computer programming I |
| Environmental Engineering | ENGG1320 | Engineers in the modern world |
| | ENGG1330 | Computer programming I |
| | ENGG1350 | Thermofluid mechanics |
| Healthcare Engineering | ENGG1300 | Fundamental mechanics |
| | ENGG1310 | Electricity & electronics |
| | ENGG1330 | Computer programming I |
| | ENGG1350 | Thermofluid mechanics |
| Materials Engineering | ENGG1300 | Fundamental mechanics |
| | ENGG1310 | Electricity & electronics |
| | ENGG1330 | Computer programming I |
| | ENGG1350 | Thermofluid mechanics |
| Systems Analytics | ENGG1320 | Engineers in the modern world |
| | ENGG1330 | Computer programming I |
| | ENGG1340 | Computer programming II |

For FinTech students

| Course Code | Course Title |
|-------------|------------------------|
| ENGG1330 | Computer programming I |

2. Course Enrollment Period

Students can enroll courses for the academic year of 2022-23 through the Student Information System (SIS) during the course selection period in August. Please refer to “2022-23 Course Selection Schedule for Full-time Undergraduate Students” at [Appendix I](#) for details.

The specific course selection period may vary from year to year. Students should pay attention to email announcements made by the Registry and Department concerned.

3. Add/Drop Period

Students can make changes to the selection of courses through the SIS during the add/drop period designated for each semester. Changes are not allowed after the add/drop period. Please refer to “2022-23 Course Selection Schedule for Full-time Undergraduate Students” at [Appendix I](#) for details.

Students are not allowed to make any further changes to the selection of courses after the add/drop period unless there are strong justifications for making such changes. For any requests of changes, students should seek prior approval from the course offering department and Home Department by completing the form “Application for Special Approval on Course Enrollment” (<https://engg.hku.hk/Portals/0/UG/Special-Approval-Course-Enrollment-Application-Form.pdf>) and submit together with supporting document(s), if any, to the Faculty Office for approval.

4. Leave of Absence

Students should apply for leave of absence by submitting the form “Application for Leave of Absence” (<https://engg.hku.hk/Portals/0/UG/LoA-Application-Form.pdf>) together with relevant supporting document(s) to the Faculty Office/Department concerned under the following circumstances:

| Situation | Document(s) to be provided | Application submit to | Remarks |
|--|---|---|---|
| Non-medical reasons Absent for more than two consecutive days for non-medical reasons such as internship, student competition, personal reasons etc. | Relevant supporting document(s) such as employment letter (for internship) etc. | Faculty Office (for BEng Year 1 and BME students)/ Home Department (for all other students) | Permission shall be granted only in exceptional circumstances; and shall not be granted by reason only that the student has already made arrangement to be absent |
| Medical reasons Absent for three to seven days due to illness | Certificate signed by a registered medical practitioner | Faculty Office (for BEng Year 1 and BME students)/ Home Department (for all other students) | N/A |

5. Voluntary Withdrawal of Studies

Students who wish to withdraw from their studies should complete the “Withdrawal of Study” form via the link at https://engg.hku.hk/Portals/0/UG/withdrawal_1.pdf and submit to the Faculty Office for processing.

C. DECLARATION OF MAJOR / MINOR

1. For BEng and BME Students

Students could opt for minor study in either another engineering discipline, or options offered by other faculties. Only BEng(CompSc) students are allowed to take a second major option. Since students may need to overload if they take a minor option, they are strongly advised to seek advice from their academic advisers.

Students can start to declare major/minor in the 1st semester of their second year of studies and they have to finalize their declaration by the 1st semester of their final year of studies. No further change will be allowed afterwards. Please refer to the website of the Academic Advising Office at <http://aao.hku.hk/sy3/plan-of-study/major-and-minor> for information on the requirements of different major/minor options.

2. For DS&E Students

Students can opt for a second major option or minor study in either another engineering discipline, or options offered by other faculties. Since students may need to overload if they take a major/minor option, they are strongly advised to seek advice from their academic advisers.

Students can start to declare major/minor in the 1st semester of their second year of studies and they have to finalize their declaration by the 1st semester of their final year of studies. No further change will be allowed afterwards. Please refer to the website of the Academic Advising Office at <http://aao.hku.hk/sy3/plan-of-study/major-and-minor> for information on the requirements of different major/minor options.

3. For EngSc Students

Students must select one major option under EngSc. In addition to the first major, they could either take

- (a) one second major;
- (b) two minors;
- (c) one minor plus free electives; or
- (d) free electives

to fulfill the curriculum requirements. Before the declaration of major/minor, students are strongly advised to seek advice from their academic advisers.

Students can start declaring their major/minor options in their second year of studies, if applicable, during the course selection period in August. More details on the declaration of major/minor option will be provided by the Home Department in due course. Please refer to the website of the Academic Advising Office at <http://aao.hku.hk/sy3/plan-of-study/major-and-minor> for information on second major/minor options offered by the Faculty of Engineering or other faculties.

4. For FinTech Students

Students can opt for a second major option or minor study in either another engineering discipline, or options offered by other faculties. Since students may need to overload if they take a major/minor option, they are strongly advised to seek advice from their academic advisers.

Students can start to declare major/minor in the 1st semester of their second year of studies and they have to finalize their declaration by the 1st semester of their final year of studies. No further change will be allowed afterwards. Please refer to the website of the Academic Advising Office at <http://aao.hku.hk/sy3/plan-of-study/major-and-minor> for information on the requirements of different major/minor options.

D. ACADEMIC ADVISING

1. Faculty Academic Advising System

The Faculty Academic Advising System provides guidance and support for students throughout their undergraduate studies. It assists students' transition from secondary school to university and offers students' academic advice and guidance which can suit their needs.

2. First Year Advisers

Each first-year undergraduate student will be assigned a First Year Adviser (FYA). The FYAs will offer advice and guidance to first year students on academic matters such as course enrollment, programme selection, career planning, etc. in their first year of studies. Please refer to [Appendix II](#) for the list of FYAs. Students are encouraged to meet with their FYA once every semester in their first year of study to discuss different academic issues.

First year students can select their FYAs during a specified period. Should students fail to do so by the prescribed deadline, they will be assigned a FYA automatically by the system. They can check their advisers via the SIS by the following procedures:

- (a) Login to HKU Portal.
- (b) On "My Page", click "Find your adviser" on the right-hand side.

For details, please visit the Academic Advising Office website via the link at <https://aao.hku.hk/steps-student/>.

The FYAs may refer students to the Academic Advising Office for further advice on academic matters or to relevant University units for follow up on non-academic matters, if appropriate.

3. Peer Mentors

Each first-year students will be assigned a Peer Mentor (Student Adviser), who will offer advice and information to facilitate freshmen's adaptation to their first year of studies, and to provide information on course enrollment, programme selection and career planning alongside with FYAs.

First year students can select their Peer Mentor during a specified period. Should students fail to do so by the prescribed deadline, they will be assigned a Peer Mentor automatically by the system. They can check their Peer Mentor via the SIS by the following procedures:

- (a) Login to HKU Portal
- (b) On "My Page", click "Find your adviser" on the right-hand side. Details of your FSA will be shown if you have one

For details, please visit the Academic Advising Office website via the link at <https://aao.hku.hk/steps-student/>.

4. Faculty Academic Advisers

BEng students will be assigned an academic adviser from their home department after their programme selection, who will provide programme-specific advice from their second year of studies onwards. For BME, DS&E, EngSc and FinTech students, they will also be assigned an academic adviser from their home department when they pursue their second year of studies.

E. ASSESSMENT AND GRADING SYSTEM

1. Assessment

Examinations are normally held in December for first semester courses, and in May for second semester and full-year courses. Assessment may be conducted in any one or any combination of the following manners: written examinations or tests, continuous assessment, laboratory work, field work, project reports, or in any other manner as specified in the syllabuses.

2. Examination Timetable

The examination timetable is normally available in November for the first semester, and in March for the second semester, on the website of Examinations Office: <http://www.exam.hku.hk/>.

3. Arrangements during Bad Weather

Under the situations as listed below:

- (i) Tropical Cyclone Warning Signal No. 8 (or above) is hoisted; or
- (ii) Tropical Cyclone Warning Signal No. 8 will be issued within two hours as announced by the Hong Kong Observatory; or
- (iii) "Extreme conditions" after super typhoons are in force (announced by the Government before the Hong Kong Observatory replaces Tropical Cyclone Warning Signal No. 8 with Tropical Cyclone Warning Signal No. 3); or
- (iv) Black Rainstorm Signal is in force, the following arrangements will apply:

For classes and examinations not yet started

| | |
|--|--|
| If any of the warnings or announcements is hoisted or in force <i>at or after</i> 6:00 am | All classes and examinations commencing <i>before</i> 2:00 pm will be cancelled automatically. |
| If any of the warnings or announcements is hoisted or in force <i>at or after</i> 11:00 am | All classes and examinations commencing at any time <i>from</i> 2:00 pm <i>and before</i> 6:00 pm will be cancelled automatically. |
| If any of the warnings or announcements is hoisted or in force <i>at or after</i> 3:00 pm | All classes and examinations commencing from 6:00 pm <i>onward</i> will be cancelled automatically. |

For classes and examinations already started

| | |
|--|---|
| When Tropical Cyclone Warning Signal No. 8 or above is hoisted or the No. 8 Signal will be issued within two hours as announced by the Hong Kong Observatory, or "extreme conditions" are in force | All classes and outdoor examinations will be suspended immediately. All examinations, except those held outdoors, will continue until the end of that examination session. |
| When Black Rainstorm Signal is hoisted | All classes and examinations, except those held outdoors, will continue. For outdoor classes and examinations, the responsible staff members on the spot should suspend the activities immediately, ensure that all students are taken to a safe place, and remain there until it is safe for them to return home. |

When Tropical Cyclone Warning Signal No. 3 or below or Red or Amber Rainstorm Signal is in force, it should be assumed that all classes and examinations will be held as scheduled unless an announcement to the contrary has been made by the University. Please view the website of Examinations Office at <http://www.exam.hku.hk/> for details.

4. Failure in Examination

Students are required to make up for failed courses in the following manner:

- (a) Undergoing re-assessment/re-examination in the failed course to be held no later than the end of the following semester (not including the summer semester); or
- (b) Re-submitting failed coursework, without having to repeat the same course of instruction; or
- (c) Repeating the failed course by undergoing instruction and satisfying the assessments; or
- (d) For elective courses, taking another course in lieu and satisfying the assessment requirements.

5. Absence from Examination

If for any reason you have been unable to attend for any paper in an examination you must, within seven calendar days of the examination concerned, write to the Examinations Secretary at the Registry giving reasons for your absence.

If you are unable because of illness to be present for any paper in the examination or if you believe that your state of health either immediately before or during the examination has significantly affected your performance, you should arrange to submit a prescribed Form of Medical Certificate. You should consult a doctor on the same day of the examination concerned, and also complete Part I of the Form and give it to your doctor for completion of Part II of the Form. The completed Form, together with the original of the sick leave certificate issued by the attending doctor, should be submitted to the Examinations Office (address: Room 239B, 2/F, Main Building, The University of Hong Kong, Pokfulam) and must reach it within seven calendar days of the examination concerned. Late or incomplete submission will not be accepted. The form is downloadable at <http://www.exam.hku.hk/pdf/198-1019.pdf>.

6. Grading System

The grades, their standards and the grade points for assessment shall be as follows:

| Grade | | Standard | Grade Point |
|-------|---|--------------|-------------|
| A+ | } | Excellent | 4.3 |
| A | | | 4.0 |
| A- | | | 3.7 |
| B+ | } | Good | 3.3 |
| B | | | 3.0 |
| B- | | | 2.7 |
| C+ | } | Satisfactory | 2.3 |
| C | | | 2.0 |
| C- | | | 1.7 |
| D+ | } | Pass | 1.3 |
| D | | | 1.0 |
| F | | Fail | 0 |

Special permission may be given by Senate for courses in individual curricula to be graded as 'Pass', 'Fail' or 'Distinction'. Such courses will not be included in the calculation of the GPA.

7. Honours Classification

The degree of Bachelor of Engineering/Bachelor of Arts and Sciences (Financial Technology) shall be awarded in five divisions: First Class Honours, Second Class Honours Division One, Second Class Honours Division Two, Third Class Honours, and Pass. The classification of honours shall be determined by the Board of Examiners for the degree of BEng/BASc(FinTech) in accordance with the following Graduation GPA (GGPA) scores, with all courses taken (including failed courses) carrying weightings which are proportionate to their credit values¹:

| <u>Class of Honours</u> | <u>GGPA range</u> |
|-------------------------|-------------------|
| First Class | 3.60 – 4.30 |
| Second Class | (2.40 – 3.59) |
| Division One | 3.00 – 3.59 |
| Division Two | 2.40 – 2.99 |
| Third Class | 1.70 – 2.39 |
| Pass | 1.00 – 1.69 |

Honours classification may not be determined solely on the basis of a student's Graduation GPA and the Board of Examiners for the degree of BEng/BASc(FinTech) may, at its absolute discretion and with justification, award a higher class of honours to a student deemed to have demonstrated meritorious academic achievement but whose Graduation GPA falls below the range stipulated in EN15/BMED15/DS&E15/ES15/FITE15, in the Regulations for the Degree of Bachelor of Engineering (BEng)/Bachelor of Engineering in Biomedical Engineering [BEng(BME)]/Bachelor of Engineering in Data Science and Engineering [BEng(DS&E)]/Bachelor of Engineering in Engineering Science [BEng(EngSc)]/Bachelor of Arts and Sciences in Financial Technology [BASc(FinTech)], of the higher classification by not more than 0.1 Grade Point.

8. Progression and Discontinuation

Unless otherwise permitted by the Board of the Faculty of Engineering, students will be recommended for discontinuation of their studies if:

- (a) they fail to complete successfully 36 or more credits in two consecutive semesters (not including the summer semester), except where they are not required to take such a number of credits in the two given semesters; or
- (b) they fail to achieve an average Semester GPA of 1.0 or higher for two consecutive semesters (not including the summer semester); or
- (c) they have exceeded the maximum period of registration specified in EN2/BMED2/DS&E2/ES2/FITE2 in the Regulations for the Degree of BEng/BEng(BME)/BEng(DS&E)/BEng(EngSc)/BASc(FinTech).

¹ For students in the 2017-18 intake and thereafter who have successfully completed six Common Core courses, the calculation of Graduation GPA is subject to the proviso that either five Common Core courses with the highest grades (covering all four Areas of Inquiry), or all six courses will be counted towards Graduation GPA, depending on which generates the higher Graduation GPA.

F. STUDENT ENRICHMENT PROGRAMMES

1. HKU Worldwide Undergraduate Exchange Programme & Faculty Exchange Programme

The Faculty encourages students to participate in the HKU Worldwide Undergraduate Exchange Programme and the Faculty Exchange Programme to study abroad during their course of studies. Students could join either programme to spend one semester or one academic year at prestigious engineering schools so that they can widen their horizons, expand their international exposure, enrich their learning experience and learn to appreciate different cultures.

All non-final year undergraduate students of BEng/BME/DS&E/EngSc/FinTech programmes are eligible to apply for the exchange programme. Preference of outgoing exchange offers will be given in the following order:

- (a) Third year students
- (b) Second year students
- (c) First year students

More information on exchange study could be obtained from:

HKU Worldwide Undergraduate Exchange Programme: <https://intlaffairs.hku.hk/>

Faculty Exchange Programme: <https://engg.hku.hk/Teaching-Learning/BEng/Faculty-Exchange-Programme>

Briefing session on the Faculty Exchange Programme organized by the Faculty will normally be held in **November**. More information will be provided nearer the time.

2. Summer Programmes

The Faculty collaborates with several universities, including Peking University and Nagoya University, to offer summer programmes during the optional summer semester for engineering students. Students could pay attention to email notifications from the Faculty.

3. Internship

Internship is a compulsory course for most of the BEng programmes (except for BEng in Mechanical Engineering, BEng in Engineering Science programmes and BAsC in Financial Technology). Students shall normally conduct their internship after their third year of studies. Students may approach their Home Department/internship coordinators for details.

4. Integrated Study-Work Programme

Under the Integrated Study-Work Programme, students may take a 6 to 12 months internship in industry in accordance with the arrangements made for them by their Home Department.

During the internship, guidance and counseling will be provided by faculty member of the students' Home Department. In addition, the practical experience gained by working will count towards the period of training that engineers are required to undergo before receiving professional recognition.

Students may approach their Home Department/internship coordinators for details.

5. Undergraduate Research Fellowship Programme

The Undergraduate Research Fellowship Programme (URFP) is a prestigious programme which aims at enhancing students' learning experience and to nurture the next generation of researchers/scholars. It offers opportunities for academically strong students to undertake research under the guidance and supervision of academics who have a strong research track record and experience in training research postgraduate students, either in HKU or in prestigious overseas institutions like the University of Illinois-Urbana Champaign, Imperial College London, Eindhoven University of Technology and Tsinghua University.

The URFP participants are eligible to enroll in specified postgraduate courses. Successful completion of the URFP will be recorded in the students' transcripts, and those who perform well under the URFP

will be considered for early admission to research postgraduate programmes of HKU.

6. Professional Preparation Programme

The Professional Preparation Programme (PPP) is an intensive career programme which aims to

- (a) facilitate students to make informed career choices;
- (b) broaden their knowledge in the job market; and
- (c) enhance students' employability.

By taking PPP, students could sharpen their job-seeking skills, equip themselves with the necessary skills for workplace and widen their horizons to be better prepared in their pursuit of future career.

Second year or above students will be eligible to apply for the programme. Details and registration information will be announced by email and the Faculty website.

7. Tam Wing Fan Innovation Wing

Tam Wing Fan Innovation Wing was completed in late-2020 and is located on the G/F and LG/F of existing Hui Oi Chow Science Building. This iconic landmark is a new facility on the main campus to nurture innovation and creativity of our future engineers. Being one of the world-class integrated makerspaces in Hong Kong as well as in Asia, Tam Wing Fan Innovation Wing is fully equipped with comprehensive prototyping facilities and equipment under the same roof.

Tam Wing Fan Innovation Wing provides a stimulating intellectual environment to facilitate cross-disciplinary collaboration among engineering and non-engineering students. Students can turn their ideas into reality and work together with peers of common interests. The Innovation Wing is not only a makerspace, but also a place to connect students with advanced technologies.

8. Innovation Academy

The Innovation Academy was established in mid-2020, aiming to cultivate future innovators and enlighten them to generate ideas and products which will benefit business and society as a whole.

The Innovation Academy serves as a magnet to attract new talents to work together on innovative projects. A series of programmes and activities are organised to capture three goals: Inspire, Equip and Showcase, and will engage professors, students and other stakeholders such as industrial advisors.

G. ACADEMIC INTEGRITY

Plagiarism

Plagiarism is a serious offence in the academic world. It constitutes academic theft – the offender has ‘stolen’ some intellectual property and presented it as his or her own. Plagiarism speaks to a person’s integrity and honesty, stifles creativity and originality, and defeats the fundamental purpose of education.

In this University, plagiarism is a disciplinary offence. Any student who commits the offence may face disciplinary action. It is the responsibility of all students at all levels to familiarize themselves with proper academic practice of writing, citation and referencing. For detailed information about plagiarism, please visit the website at <https://tl.hku.hk/plagiarism/>.

Students are also expected to seek specific guidance within their discipline and to consult the relevant University policies and regulations.

H. APPENDICES

- Appendix I – 2022-2023 Course Selection Schedule for Full-time Undergraduate Students
- Appendix II – List of First Year Advisers
- Appendix III – Important Dates for First Year Students
- Appendix IV – Useful Contacts and Websites
- Appendix V – Course Enrollment Forms [BEng/BEng(BME)/BEng(DS&E)/BEng(EngSc)/BASc(FinTech)]

THE UNIVERSITY OF HONG KONG

香港大學



Online Course Selection Schedule for Full-Time Undergraduate Students (2022-23)

(I) First Semester Course Selection Period

| | | Year 4 or above students | Year 3 students | Year 2 students | Year 1 students |
|--|-------------------------------------|--|-----------------------------|----------------------------|---|
| Online course information available for planning your courses (Pre-enrollment period) | | Jul 25, 2022 | | | From Aug 2022 (after master registration) |
| Course Selection Period starts | Semester 1/ full-year courses | Aug 3, 2022 (10:00 a.m.) | Aug 3, 2022 (12:00 noon) | Aug 3, 2022 (2:00 p.m.) | Aug 19, 2022 (10:00 a.m.) |
| | Semester 2 courses | Aug 3, 2022 (10:10 a.m.) | Aug 3, 2022 (12:10 p.m.) | Aug 3, 2022 (2:10 p.m.) | Aug 19, 2022 (10:10 a.m.) |
| Suspension Period (course selection will not be available) | | Aug 4, 2022 (9:00 a.m. – 2:29 p.m.) | | | Aug 20, 2022 (12:00 noon) – Aug 22, 2022 (2:29 p.m.) |
| Course Selection Period ends | | Aug 9, 2022 (4:00 p.m.) | | | Aug 25, 2022 (4:00 p.m.) |

(II) First Semester Add/Drop Period

| | Year 4 or above students | Year 3 students | Year 2 students | Year 1 students |
|--|--------------------------------------|----------------------------|-----------------------------|-----------------------------|
| Add/Drop Period starts (Note: You must finish enrolling the Semester 1/ full-year courses before the Semester 2 courses) | Sep 1, 2022 (4:00 p.m.) | Sep 1, 2022 (2:00 p.m.) | Sep 1, 2022 (12:00 noon) | Sep 1, 2022 (10:00 a.m.) |
| Suspension Period (course selection will not be available) | Sep 2, 2022 (12:00 noon – 4:59 p.m.) | | | |
| Add/Drop Period ends | Sep 15, 2022 (4:00 p.m.) | | | |

(III) Second Semester Add/Drop Period (students should select summer semester courses (if any) during this period)

| | Year 4 or above students | Year 3 students | Year 2 students | Year 1 students |
|---|---------------------------------------|-----------------------------|------------------------------|------------------------------|
| Add/Drop Period starts (Note: You must finish enrolling the Semester 2 courses before the Summer Semester courses) | Jan 16, 2023 (4:00 p.m.) | Jan 16, 2023 (2:00 p.m.) | Jan 16, 2023 (12:00 noon) | Jan 16, 2023 (10:00 a.m.) |
| Suspension Period (course selection will not be available) | Jan 17, 2023 (12:00 noon – 4:59 p.m.) | | | |
| Add/Drop Period ends | Feb 6, 2023 (4:00 p.m.) | | | |

(IV) Summer Semester Add/Drop Period

For all Full-Time Undergraduate Students (except for Final Year Students)

| | |
|---|--|
| Add/Drop Period | Jun 13, 2023 (10:00 a.m.) – Jun 20, 2023 (4:00 p.m.) |
| Suspension Period (course selection will not be available) | Jun 14, 2023 (12:00 noon – 4:59 p.m.) |

Updated on May 4, 2022

**THE UNIVERSITY OF HONG KONG
FACULTY OF ENGINEERING**

Faculty Academic Advising System 2022-23
First Year Advisers

| Department/Programme | Representative(s) | Email address |
|--|--|--|
| Civil Engineering | Dr. T.F.M. Chui Dr. K.H. Law Dr. K.L. Su Dr. C.P. Wong | maychui@hku.hk adalaw@hku.hk klsu@hku.hk cpwryan@hku.hk |
| Computer Science | Dr. T.W. Chim Dr. D. Schnieders Dr. A.T.C. Tam | twchim@cs.hku.hk sdirk@cs.hku.hk atctam@cs.hku.hk |
| Financial Technology | Dr. A.T.C. Tam Dr. J.T.H Yuen | atctam@cs.hku.hk thyuen@cs.hku.hk |
| Data Science and Engineering | Dr. T.W. Chim Dr. Y.K. Choi | twchim@cs.hku.hk ykchoi@cs.hku.hk |
| Electrical and Electronic Engineering | Dr. V.W.L. Tam Dr. C.K. Lee Dr. X. Qi Dr. Z. Wang | vtam@eee.hku.hk cklee@eee.hku.hk xiqi@eee.hku.hk zrwang@eee.hku.hk |
| Industrial and Manufacturing Systems Engineering | Dr. C.K.L. Or Dr. Y Cheng | klor@hku.hk yaocheng@hku.hk |
| Mechanical Engineering | Dr. C.K. Chan Dr. M.M.Y. Choy Dr. B.P.L. Ho Dr. M.W.L. Ko | ckchan1@hku.hk marian.choy@hku.hk benjamin.ho@hku.hk matchko@hku.hk |
| Engineering Science | Dr. P.C. Chen Mr. B.K.P. Chan | pcchen@hku.hk billchan@hku.hk |
| Biomedical Engineering | Prof. K.K.M. Tsia Dr. Y. Lin | tsia@eee.hku.hk ylin@hku.hk |

Important Dates for First Year Students

| Date | Event |
|------------------------------|---|
| August 16, 2022 (2pm-3pm) | Online talk on course selection with Q&A Format: Zoom (Details will be sent to students via email) |
| August 22, 2022 | Faculty Induction Talk Venue: Grand Hall Format: Face-to face (Details will be sent to students via email) |
| August 31, 2022 | Promoting student enrichment activities (Details will be sent to students via email) |
| September 1, 2022 | First day of teaching of first semester of 2022-23 |
| January 16, 2023 | First day of teaching of second semester of 2022-23 |
| April 2023 | Briefing on BEng Programme Selection |
| June 2023 | BEng Programme Selection |
| July 2023 | Announcement of BEng Programme Selection Results |

Useful Contacts and Websites

| Supporting Units | Contact Information | Website |
|--|--|---|
| Faculty of Engineering | Tel: 3917 2803 Email: enggfac@hku.hk / engguqtl@hku.hk (For UG matters) Address: Rm 501, Haking Wong Building, HKU | https://engg.hku.hk/ |
| Academic Advising Office | Tel: 3917 0128 Email: aaoffice@hku.hk | https://aao.hku.hk/ |
| Academic Support and Examinations Section, Registry | Tel: 2859 2433 Email: asoffice@hku.hk | http://www.ase.hku.hk/ |
| CEDARS, Campus Life Section | Tel: 3917 2305 Email: cedars@hku.hk | http://cedars.hku.hk |
| CEDARS, Careers and Placement Section | Tel: 3917 2317 Email: careers@hku.hk | http://cedars.hku.hk |
| CEDARS, Counselling and Person Enrichment (CoPE) Section | Tel: 3917 8388 Email: cedars-cope@hku.hk | http://cedars.hku.hk |
| CEDARS, General Education Team | Tel: 3917 5044 Email: gened@hku.hk | http://cedars.hku.hk |
| Mainland Affairs Office (MAO) | Email: mainlandaffairs@hku.hk | https://mainlandaffairs.hku.hk/ |
| Common Core Curriculum Office | Tel: 2219 4957 Email: commoncore@hku.hk | https://commoncore.hku.hk/ |
| Equal Opportunity Unit | Tel: 3917 5115 Email: eounit@hku.hk | http://www.eounit.hku.hk/en/ |
| Examinations Office | Tel: 2859 2439/2859 2434 Email: exam@hku.hk | http://www.exam.hku.hk/ |
| International Affairs Office (IAO) | Tel: 2219 4549 For incoming exchange: Email: exchange@hku.hk For outgoing exchange: Email: goaboard@hku.hk For summer study abroad: HKU Summer Institute Tel: 2219 4549 | https://intlaffairs.hku.hk/ |
| Information Technology Services & Student Information System | Tel: 3917 0123 Email: ithelp@hku.hk | https://www.its.hku.hk/ |
| Undergraduate Handbook | | http://www.handbook.hku.hk/ug/ |

THE UNIVERSITY OF HONG KONG
FACULTY OF ENGINEERING
Bachelor of Engineering
Course Enrollment Form (2022-2023)

[For reference only]

| | | | |
|----------------------------------|--|-----------------------|--|
| Student Name (Surname first): | | University Number: | |
|----------------------------------|--|-----------------------|--|

| Course Code | Course Title | No. of Credits | First Semester | Second Semester | Summer Semester |
|---|---|----------------|----------------|-----------------|-----------------|
| UG5 Requirements | | | | | |
| <i>Common Core Courses</i> | | | | | |
| | | 6 | | | |
| | | 6 | | | |
| <i>English Language Enhancement Course</i> | | | | | |
| CAES1000 | Core University English | 6 | | | |
| <i>Chinese Language Enhancement Course (Choose ONE from the following) (Putonghua-speaking students)</i> | | | | | |
| CUND9002 | Practical Chinese and Hong Kong Society | 6 | | | |
| CUND9003 | Cantonese for Non-Cantonese Speaking Students | 6 | | | |
| Other language course | | 6 | | | |
| Engineering Core Courses | | | | | |
| MATH1851 | Calculus and ordinary differential equations | 6 | | | |
| MATH1853 | Linear algebra, probability and statistics | 6 | | | |
| ENGG1300 | Fundamental mechanics | 6 | | | |
| ENGG1310 | Electricity & electronics | 6 | | | |
| ENGG1320 | Engineers in the modern world | 6 | | | |
| ENGG1330 | Computer programming I | 6 | | | |
| Choose one of the following | | | | | |
| ENGG1340 | Computer programming II | 6 | | | |
| ENGG1350 | Thermofluid mechanics | 6 | | | |
| Discipline Courses | | | | | |
| | | 6 | | | |
| | | 6 | | | |
| | | 6 | | | |
| Free Electives | | | | | |
| | | 6 | | | |
| | | 6 | | | |
| | | 6 | | | |
| SUB-TOTAL | | | | | |
| GRAND TOTAL (FIRST + SECOND + SUMMER) | | | | | |

THE UNIVERSITY OF HONG KONG
FACULTY OF ENGINEERING
Bachelor of Engineering in Biomedical Engineering
Course Enrolment Form (2022-2023)

[For reference only]

| | | | |
|----------------------------------|--|-----------------------|--|
| Student Name (Surname first): | | University Number: | |
|----------------------------------|--|-----------------------|--|

| Course Code | Course Title | No. of Credits | First Semester | Second Semester | Summer Semester |
|--|--|----------------|----------------|-----------------|-----------------|
| UG5 Requirements | | | | | |
| <i>Common Core Courses</i> | | | | | |
| CC##XXXX | | 6 | | | |
| CC##XXXX | | 6 | | | |
| <i>English Language Enhancement Course</i> | | | | | |
| CAES1000 | Core University English | 6 | | | |
| <i>Chinese Language Enhancement Course (Choose <u>ONE</u> from the following) (Putonghua-speaking students)</i> | | | | | |
| CUND9002 | Practical Chinese and Hong Kong Society | 6 | | | |
| CUND9003 | Cantonese for Non-Cantonese Speaking Students | 6 | | | |
| Other language course | | 6 | | | |
| Engineering Core Courses | | | | | |
| MATH1851 | Calculus and ordinary differential equations | 6 | | | |
| MATH1853 | Linear algebra, probability and statistics | 6 | | | |
| ENGG1300 | Fundamental Mechanics | 6 | | | |
| ENGG1310 | Electricity & Electronics | 6 | | | |
| ENGG1320 | Engineers in the Modern World | 6 | | | |
| ENGG1330 | Computer programming I | 6 | | | |
| Introductory Discipline Core Course | | | | | |
| BMED1207 | Fundamentals of chemistry and biology for biomedical engineering | 6 | | | |
| Free Electives | | | | | |
| | | 6 | | | |
| | | 6 | | | |
| | | 6 | | | |
| SUB-TOTAL | | | | | |
| GRAND TOTAL (FIRST + SECOND + SUMMER) | | | | | |

THE UNIVERSITY OF HONG KONG
FACULTY OF ENGINEERING
Bachelor of Engineering in Data Science and Engineering
Course Enrollment Form (2022-2023)

[For reference only]

| | | | |
|----------------------------------|--|-----------------------|--|
| Student Name (Surname first): | | University Number: | |
|----------------------------------|--|-----------------------|--|

| Course Code | Course Title | No. of Credits | First Semester | Second Semester | Summer Semester |
|--|---|----------------|----------------|-----------------|-----------------|
| UG5 Requirements | | | | | |
| <i>Common Core Courses</i> | | | | | |
| | | 6 | | | |
| | | 6 | | | |
| | | 6 | | | |
| <i>English Language Enhancement</i> | | | | | |
| CAES1000 | Core University English | 6 | | | |
| <i>Chinese Language Enhancement Course (Choose ONE from the following; for Putonghua-speaking students only)</i> | | | | | |
| CUND9002 | Practical Chinese and Hong Kong Society | 6 | | | |
| CUND9003 | Cantonese for Non-Cantonese Speaking Students | 6 | | | |
| | | | | | |
| Engineering Core Courses | | | | | |
| ENGG1320 | Engineers in the modern world | 6 | | | |
| ENGG1330 | Computer programming I | 6 | | | |
| ENGG1340 | Computer programming II | 6 | | | |
| MATH1013 | University mathematics II | 6 | | | |
| Discipline Core Courses | | | | | |
| MATH2014 | Multivariable calculus and linear algebra | 6 | | | |
| COMP2501 | Introduction to data science and engineering | 6 | | | |
| Free Electives | | | | | |
| | | 6 | | | |
| | | 6 | | | |
| | | 6 | | | |
| SUB-TOTAL | | | | | |
| GRAND TOTAL (FIRST + SECOND + SUMMER) | | | | | |

THE UNIVERSITY OF HONG KONG
FACULTY OF ENGINEERING
Bachelor of Engineering in Engineering Science
Course Enrolment Form (2022-2023)

[For reference only]

| | | | |
|----------------------------------|--|-----------------------|--|
| Student Name (Surname first): | | University Number: | |
|----------------------------------|--|-----------------------|--|

| Course Code | Course Title | No. of Credits | First Semester | Second Semester | Summer Semester |
|---|---|----------------|----------------|-----------------|-----------------|
| UG5 Requirements | | | | | |
| <i>Common Core Courses (12-18 credits)</i> | | | | | |
| | | 6 | | | |
| | | 6 | | | |
| | | 6 | | | |
| | | 6 | | | |
| <i>English Language Enhancement Course</i> | | | | | |
| CAES1000 | Core University English | 6 | | | |
| <i>Chinese Language Enhancement Course (Choose ONE from the following) (Putonghua-speaking students)</i> | | | | | |
| CUND9002 | Practical Chinese and Hong Kong Society | 6 | | | |
| CUND9003 | Cantonese for Non-Cantonese Speaking Students | 6 | | | |
| Other language course | | 6 | | | |
| Engineering Core Courses (Refer to the syllabus for different Majors) | | | | | |
| MATH1851 | Calculus and ordinary differential equations | 6 | | | |
| MATH1853 | Linear algebra, probability and statistics | 6 | | | |
| ENGG1300 | Fundamental mechanics | 6 | | | |
| ENGG1310 | Electricity & electronics | 6 | | | |
| ENGG1320 | Engineers in the modern world | 6 | | | |
| ENGG1330 | Computer programming I | 6 | | | |
| ENGG1340 | Computer programming II | 6 | | | |
| ENGG1350 | Thermofluid mechanics | 6 | | | |
| Free Electives | | | | | |
| | | 6 | | | |
| | | 6 | | | |
| | | 6 | | | |
| SUB-TOTAL | | | | | |
| GRAND TOTAL (FIRST + SECOND + SUMMER) | | | | | |

THE UNIVERSITY OF HONG KONG
FACULTY OF ENGINEERING
Bachelor of Arts and Sciences in Financial Technology
Course Enrollment Form (2022-2023)

[For reference only]

| | | | |
|----------------------------------|--|-----------------------|--|
| Student Name (Surname first): | | University Number: | |
|----------------------------------|--|-----------------------|--|

| Course Code | Course Title | No. of Credits | First Semester | Second Semester | Summer Semester |
|---|--|----------------|----------------|-----------------|-----------------|
| UG5 Requirements | | | | | |
| <i>Common Core Courses</i> | | | | | |
| | | 6 | | | |
| | | 6 | | | |
| <i>English Language Enhancement Course (Students with level 4 in HKDSE English Language are required to take 6 additional credits in CAES1000)</i> | | | | | |
| CAES1000 | Core University English | 6 | | | |
| Chinese Language Enhancement Course (Choose ONE from the following; for Putonghua-speaking students only) | | | | | |
| CUND9002 | Practical Chinese and Hong Kong Society | 6 | | | |
| CUND9003 | Cantonese for Non-Cantonese Speaking Students | 6 | | | |
| | | | | | |
| BASc Core Courses | | | | | |
| BASC9001 | Foundations of human knowledge | 6 | | | |
| STAT1005 | Essential skills for undergraduates: foundations of data science | 6 | | | |
| Discipline Core Courses | | | | | |
| ENGG1330 | Computer programming I | 6 | | | |
| FITE1010 | Introduction to financial technologies | 6 | | | |
| FITE2000 | Foundations of FinTech Programming | 6 | | | |
| ACCT1101 | Introduction to financial accounting | 6 | | | |
| ECON1210 | Introductory microeconomics | 6 | | | |
| Free Electives (Students without taking Extended Module 1 or 2 in HKDSE are required to take MATH1011 as one of the free electives before taking MATH1853) | | | | | |
| MATH1011 | University mathematics I | 6 | | | |
| | | 6 | | | |
| | | 6 | | | |
| SUB-TOTAL | | | | | |
| GRAND TOTAL (FIRST + SECOND + SUMMER) | | | | | |