

THE UNIVERSITY OF HONG KONG
FACULTY OF ENGINEERING
Master of Science in Engineering

1. Applications are invited for admissions in **September 2021** to curricula leading to the degree of Master of Science in Engineering in the fields of

- Building Services Engineering
- Electrical and Electronic Engineering
- Energy Engineering
- Environmental Engineering
- Geotechnical Engineering
- Industrial Engineering and Logistics Management
- Infrastructure Project Management
- Mechanical Engineering
- Structural Engineering
- Transportation Engineering

Applications should be submitted via the online application system at <https://hku.hk/tpg/>. When filling in the online application form, please provide valid mailing address and email address to ensure successful and confidential delivery of materials.

Mode and Period of Study

2. The curriculum shall normally extend over one academic year of full-time study or two academic years of part-time study. Candidates shall not be permitted to extend their studies beyond the maximum period of registration of two academic years of full-time study or three academic years of part-time study, unless otherwise permitted or required by the Board of Faculty. For both full-time and part-time modes, the period of study shall include any assessment to be held during and/or at the end of each semester.

Pattern of Study

3. Candidates should complete 72 credits of courses selected from the syllabus of the candidate's approved field of study which must include a capstone experience in the form of dissertation or project[#].

[#] For MSc(Eng)(EEE) and MSc(Eng)(EnergyE) curricula only.

Entry Qualifications

4. To be eligible for admission to the programmes, a candidate shall satisfy both the University Entrance Requirements and the Programme Entrance Requirements including but not limited to:

- (a) shall comply with the General Regulations;
- (b) shall hold a Bachelor's degree of this University or a qualification of equivalent standard from this University or another comparable institution accepted for this purpose;
- (c) for a candidate who is seeking admission on the basis of a qualification from a university or comparable institution outside Hong Kong of which the language of teaching and/or examination is not English, shall satisfy the University English language requirement applicable to high degrees as prescribed under General Regulation G2(b); and
- (d) satisfy the examiners in a qualifying examination if required.

An application for exemption from the above requirements shall be considered on a case by case basis.

Description of Curriculum

Building Services Engineering

5. The curriculum provides advanced education and training in the theory and practice of building services engineering. It covers the core areas of utility services, electrical services, air conditioning and refrigeration, fire safety, lighting and project management. Further training on more advanced areas in building services is also provided.

Electrical and Electronic Engineering

6. The curriculum provides advanced education and training in the theory, methods and techniques in electronics and computer engineering. It covers topics such as data communication, application of microprocessors, industrial digital control, advanced digital signal processing, software engineering and other advanced topics. Some courses in this curriculum are approved for reimbursement from the Continuing Education Fund (CEF).

Energy Engineering

7. The curriculum provides advanced education and training in the field of Energy Engineering. It covers renewable energy technology, smart grids, electric vehicles, power systems, energy management, carbon audit and other energy-related advanced topics. Some courses in this curriculum are approved for reimbursement from the Continuing Education fund (CEF).

Environmental Engineering

8. The curriculum provides advanced education in the field of Water and Environmental Engineering. Candidates must complete 8 courses (6 credits each) and a dissertation (24 credits). He/She can select no more than three Taught Postgraduate level courses offered by other curricula in the Faculty of Engineering as electives. Some courses in this curriculum are approved for reimbursement from the Continuing Education Fund (CEF).

Geotechnical Engineering

9. The curriculum provides advanced education in the field of Geotechnical Engineering. Candidates must complete 8 courses (6 credits each) and a dissertation (24 credits). He/She can select no more than three Taught Postgraduate level courses offered by other curricula in the Faculty of Engineering as electives. Some courses in this curriculum are approved for reimbursement from the Continuing Education Fund (CEF).

Industrial Engineering and Logistics Management

10. The curriculum provides advanced education and training in the philosophy, methods and techniques of industrial and logistics management that are appropriate to the manufacturing, logistics and service industries. It covers industrial project management, organization theory, ergonomics, operational research, enterprise logistics, supply management, global logistics, supply chain management, terminal and warehousing, costing and finance, quality management, information technology management, and RFID technologies. Some courses in this curriculum are approved for reimbursement from the Continuing Education Fund (CEF).

Infrastructure Project Management

11. The curriculum provides advanced education in the Management of Infrastructure Projects over their entire life cycle. Candidates must complete 8 courses (6 credits each) and a dissertation (24 credits). He/She can select no more than three Taught Postgraduate level courses offered by other curricula in the Faculty of Engineering as electives. Some courses in this curriculum are approved for reimbursement from the Continuing Education Fund (CEF).

Mechanical Engineering

12. The curriculum provides advanced education in the fields of energy and power; materials technology; theoretical mechanics; environmental engineering; medical engineering; control and robotics; engineering management; and computer aided design and manufacturing. Some courses in this curriculum are approved for reimbursement from the Continuing Education Fund (CEF).

Structural Engineering

13. The curriculum provides advanced education in the field of Structural Engineering. Candidates must complete 8 courses (6 credits each) and a dissertation (24 credits). He/She can select no more than three Taught Postgraduate level courses offered by other curricula in the Faculty of Engineering as electives. Some courses in this curriculum are approved for reimbursement from the Continuing Education Fund (CEF).

Transportation Engineering

14. The curriculum provides advanced education in the field of Transportation Engineering. Candidates must complete 8 courses (6 credits each) and a dissertation (24 credits). He/She can select no more than three Taught Postgraduate level courses offered by other curricula in the Faculty of Engineering as electives. Some courses in this curriculum are approved for reimbursement from the Continuing Education Fund (CEF).

Regulations and Syllabuses

15. Regulations and Syllabuses of the MSc(Eng) curricula are available at <https://hku.hk/tpg>.

English Language Requirement

16. Applicants who wish to be admitted on the basis of a qualification from a university or comparable institution outside Hong Kong of which the language of teaching and/or examination is not English shall satisfy the [University English language requirement](#) unless in exceptional circumstances they are exempted from this requirement.

Transcripts

17. When providing official graduate transcript (or interim transcript if the graduate transcript is not available yet) from every college or university you have attended as supporting document, please do not omit the back side of the transcript if it contains information on the grading system.

Please note that you are not required to submit original/certified true copy of your documents to the University during the application stage. Should you be given an admission offer by the University, you will be required to submit original/certified true copy of corresponding documents. Please note that the University will only ACCEPT originals or copies of the documents that have been duly declared as true copies before a notary public (e.g. a Commissioner for Oaths at a District Office in Hong Kong). Copies of documents may be certified by the appropriate officials of your home institute if you are an overseas applicant.

Documents once submitted will not be returned, and will be destroyed if the application is unsuccessful.

Application Fee

18. The application fee is HK\$300 per application (non-refundable), and payment should be made online.

Composition Fee

19. The composition fee for each 6 credit-units for the following MSc(Eng) curricula is HK\$12,000 for the intake in the academic year 2021-2022, subject to the University's approval:

- Building Services Engineering
- Electrical and Electronic Engineering
- Energy Engineering
- Environmental Engineering
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- Structural Engineering
- Transportation Engineering

The composition fee of 12 credit-units is payable at the time of acceptance of an offer of admissions.

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The composition fee for the 24 credit-units dissertation and 12 credit-units project, shall be payable in two instalments upon enrolment, unless otherwise stated, with each instalment paid in each semester. Students are required to pay the composition fee for courses they enrol by semester.

The dissertation / project is compulsory for students in the MSc(Eng) curricula. Students are required to enrol in the dissertation / project immediately upon admissions*.

* Not applicable to MSc(Eng) in Building Services Engineering and MSc(Eng) in Mechanical Engineering curricula.

Announcement of Results

20. Applicants who do not hear from the Faculty of Engineering by July 31, 2021 may assume their applications unsuccessful.

Enquiries

<u>Curriculum</u>	<u>Tel. No.</u>	<u>Fax No.</u>	<u>E-mail</u>
MSc(Eng) in Building Services Engineering	(852) 3917-2630	(852) 2858-5415	kkilo@hku.hk
MSc(Eng) in Electrical and Electronic Engineering	(852) 3917-2708	(852) 2559-8738	tpg-admission@eee.hku.hk
MSc(Eng) in Energy Engineering	(852) 3917-2708	(852) 2559-8738	tpg-admission@eee.hku.hk

MSc(Eng) in Environmental Engineering	(852) 3917-5156	(852) 2559-5337	cpwryan@hku.hk
MSc(Eng) in Geotechnical Engineering	(852) 3917-5156	(852) 2559-5337	cpwryan@hku.hk
MSc(Eng) in Industrial Engineering and Logistics Management	(852) 3917-2551	(852) 2858-6535	brendale@hku.hk
MSc(Eng) in Infrastructure Project Management	(852) 3917-5156	(852) 2559-5337	cpwryan@hku.hk
MSc(Eng) in Mechanical Engineering	(852) 3917-2630	(852) 2858-5415	kkilo@hku.hk
MSc(Eng) in Structural Engineering	(852) 3917-5156	(852) 2559-5337	cpwryan@hku.hk
MSc(Eng) in Transportation Engineering	(852) 3917-5156	(852) 2559-5337	cpwryan@hku.hk

September 2020
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