

REGULATIONS FOR THE DEGREE OF MASTER OF SCIENCE IN ENGINEERING (MSc[Eng])

(Applicable to students admitted in the academic year 2026-27 and thereafter)

(See also General Regulations and Regulations for Taught Postgraduate Curricula)

The degree of MSc(Eng) is a postgraduate degree awarded for the satisfactory completion of a prescribed curriculum in the Faculty of Engineering.

The major part of the curriculum must include courses offered in one of the following fields: building services engineering, civil engineering, electrical and electronic engineering, energy engineering, industrial engineering and logistics management, infrastructure engineering and management, innovative design and technology, integrated circuits and electronic systems, low-altitude technology, mechanical engineering, microelectronics science and technology, and robotics and intelligent systems.

The MSc(Eng) curriculum is offered in part-time and full-time modes, with the exception of Master of Science in Engineering in Low-Altitude Technology (MSc(Eng)(LAT)) and Master of Science in Engineering in Integrated Circuits and Electronic Systems (MSc(Eng)(ICES)), which are exclusively offered in full-time mode.

MSc 1 Admission requirements

To be eligible for admission to the curriculum leading to the degree of MSc(Eng), a candidate shall:

- (a) comply with the General Regulations;
- (b) comply with the Regulations for Taught Postgraduate Curricula;
- (c) hold
 - (i) a Bachelor's degree of this University in a related field; or
 - (ii) a relevant qualification of equivalent standard from this University or from another university or comparable institution accepted for this purpose; and
 - (iii) in respect of the courses of study leading to the degree of Master of Science in Engineering in the fields of Innovative Design and Technology, Integrated Circuits and Electronic Systems, Low-Altitude Technology and Microelectronics Science and Technology, a Bachelor's degree in Engineering or related Science discipline;
 - (iv) in respect of the courses of study leading to the degree of Master of Science in Engineering in Civil Engineering, a Bachelor's degree in related disciplines, such as Environmental Engineering, Chemical Engineering, Mechanical Engineering, Environment-related Sciences, Computer Science, Mathematics or Statistics;
 - (v) in respect of the courses of study leading to the degree of Master of Science in Engineering in Infrastructure Engineering and Management, a Bachelor's degree in related disciplines, such as Architecture, Civil Engineering, Computer Science, Construction Management, Electrical and Electronic Engineering, Industrial and

System Engineering, Mechanical Engineering, Smart Construction, Structural Engineering, Surveying, Transportation Engineering or Urban Planning; and

- (d) satisfy the examiners in a qualifying examination if required.
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MSc 2 Qualifying Examination

- (a) A qualifying examination may be set to test the candidate's academic ability or his/her ability to follow the curriculum prescribed. It shall consist of one or more written papers or their equivalent and may include a dissertation.
 - (b) A candidate who is required to satisfy the examiners in a qualifying examination shall not be permitted to register until he/she has satisfied the examiners in the examination.
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MSc 3 Period of Study

- (a) The curriculum of the degree of MSc(Eng) (except for MSc(Eng)(LAT) and MSc(Eng)(ICES)) 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.
 - (b) The curriculum of the degree of MSc(Eng)(LAT) shall normally extend over one and a half academic years of full-time study. Candidates shall not be permitted to extend their studies beyond the maximum period of registration of three academic years of full-time study, unless otherwise permitted or required by the Board of Faculty. The period of study shall include any assessment to be held during and/or at the end of each semester.
 - (c) The curriculum of the degree of MSc(Eng)(ICES) shall normally extend over one academic years of full-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, unless otherwise permitted or required by the Board of Faculty. The period of study shall include any assessment to be held during and/or at the end of each semester.
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MSc 4 Curriculum Requirements

To complete the curriculum, a candidate shall, within the prescribed maximum period of registration stipulated in Regulation MSc3 above:

- (a) satisfy the requirements prescribed in TPG6 of the Regulations for Taught Postgraduate Curricula;
- (b) take courses and satisfy the credit requirements as follows:
 - (i) for the degree of MSc(Eng) (except for MSc(Eng)(LAT)), take not fewer than 72 credits of courses, in the manner specified in these regulations and syllabuses and pass all courses as specified in the syllabuses;

- (ii) for the degree of MSc(Eng)(LAT), take not fewer than 84 credits of courses, in the manner specified in these regulations and syllabuses and pass all courses as specified in the syllabuses;
 - (c) follow courses of instruction and complete satisfactorily all prescribed practical / laboratory work; and
 - (d) satisfy the examiners in all forms of assessment as may be required in either:
 - (i) for the degree of MSc(Eng) (except for Master of Science in Engineering in Electrical and Electronic Engineering (MSc(Eng)(EEE)), Master of Science in Engineering in Energy Engineering (MSc(Eng)(EnergyE)) and MSc(Eng)(LAT)):
 - (1) 72 credits of courses which must include a dissertation of 24 credits or a project of 12 credits as capstone experience; or
 - (2) at least 60 credits of courses successfully completed at this University (which must include a dissertation of 24 credits or a project of 12 credits) and not more than 12 credits of courses successfully completed at this or another university before admission to the MSc(Eng) and approved by the Board of the Faculty.
 - (ii) for the degree of MSc(Eng)(LAT):
 - (1) 84 credits of courses which must include a dissertation of 30 credits as capstone experience; or
 - (2) at least 72 credits of courses successfully completed at this University (which must include a dissertation of 30 credits) and not more than 12 credits of courses successfully completed at this or another university before admission to the MSc(Eng)(LAT) and approved by the Board of the Faculty.
 - (iii) for the degree of MSc(Eng)(EEE) and MSc(Eng)(EnergyE):
 - (1) 72 credits of courses which must include a capstone experience comprising either a dissertation of 24 credits, a co-op capstone project of 18 credits (available to full-time study only), or a project of 12 credits (available to part-time study only); or
 - (2) at least 60 credits of courses successfully completed at this University (which must include either a dissertation of 24 credits, a co-op capstone project of 18 credits, or a project of 12 credits) and not more than 12 credits of courses successfully completed at this or another university before admission to the MSc(Eng)(EEE) or MSc(Eng)(EnergyE) and approved by the Board of the Faculty.
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MSc 5 Dissertation or project report

- (a) A candidate who is permitted to select a dissertation or a project is required to submit the dissertation or the project report by a date specified by the Board of Examiners.
- (b) All candidates shall submit a statement that the dissertation or the project report represents his/her own work undertaken after the registration as a candidate for the degree.

MSc 6 Selection of Courses

- (a) A candidate shall select courses according to the guidelines stipulated in the syllabuses for the degree of MSc(Eng).
- (b) Selection of study patterns, as stipulated in the respective syllabus, shall be subject to the approval of the Head of the Department concerned.
- (c) Candidates shall select their courses in accordance with these regulations and the guidelines specified in the syllabuses before the beginning of each academic year.
- (d) Changes to the selection of courses may be made only during the add/drop period of the semester in which the course begins, and such changes shall not be reflected in the transcript of the candidate.
- (e) Subject to the approval of the Committee on Taught Postgraduate Curricula on the recommendation of the Head of the Department concerned, a candidate may in exceptional circumstances be permitted to select additional course(s).
- (f) Requests for changes after the designated add/drop period of the semester shall be subject to the approval of the Committee on Taught Postgraduate Curricula. Withdrawal from courses beyond the designated add/drop period will be subject to the approval of the Committee on Taught Postgraduate Curricula.

MSc 7 Assessment

- (a) The written examination for each course shall be held after the completion of the prescribed course of study for that course, and not later than January, May or August immediately following the completion of the course of study for that course unless otherwise specified in the syllabuses.
- (b) A candidate, who is unable to complete the requirements within the prescribed maximum period of registration specified in Regulation MSc 3 because of illness or circumstances beyond his/her control, may apply for permission to extend his/her period of studies.
- (c) A candidate who has failed to satisfy the examiners in any course(s) is required to make up for failed course(s) in the following manners:
 - (i) undergoing re-assessment/re-examination in the failed course(s); or
 - (ii) repeating the failed course(s) by undergoing instruction and satisfying the assessments; or
 - (iii) taking another course in lieu and satisfying the assessment requirements.
- (d) A candidate who has failed to satisfy the examiners in his/her dissertation or project report may be required to submit or resubmit a dissertation or a project report on the same subject within a period specified by the Board of Examiners.
- (e) In accordance with G9(h) of the General Regulation and TPG8(d) of the Regulations for Taught Postgraduate Curricula, there shall be no appeal against the results of examinations and all other forms of assessment.

MSc 8 Grading system

Individual courses shall be graded according to the following grading system as determined by the Board of Examiners:

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

MSc 9 Discontinuation of Studies

Unless otherwise permitted by the Board of the Faculty, a candidate will be recommended for discontinuation of their studies in accordance with General Regulation G12 if he/she has:

- (a) failed to pass 12 credits in an academic year; or
- (b) failed to satisfy the examiners at a second attempt in his/her dissertation or project report within the specified period; or
- (c) failed to achieve a cumulative grade point average* (CGPA) of 1.0 or higher for two consecutive semesters with course enrolment; or
- (d) exceeded the maximum period of registration specified in Regulation MSc3.

* *At the end of each semester, a cumulative grade point average (CGPA) for all courses, except cross-listed undergraduate courses and outside curriculum requirement optional courses as specified in the syllabuses, taken by a student (including failed courses) at the time of calculation is computed.*

MSc 10 Advanced Standing

Advanced standing may be granted to candidates in recognition of studies completed successfully before admission to the curriculum in accordance with TPG3 of the Regulations for Taught Postgraduate Curricula. Candidates who are awarded Advanced Standing will not be granted any further credit transfer for those studies for which Advanced Standing has been granted. 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 candidate may be granted a total of not more than 20% of the total credits normally required under a curriculum for Advanced Standing unless otherwise approved by the Senate; and
 - (b) credits granted for advanced standing shall not be included in the calculation of the GPA but will be recorded on the transcript of the candidate.
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MSc 11 Award of Degree

To be eligible for the award of the degree of MSc(Eng), a candidate shall:

- (a) comply with the General Regulations and the Regulations for Taught Postgraduate Curricula;
- (b) complete the curriculum and satisfy the examiners in accordance with the regulations set out; and
- (c) achieve a cumulative grade point average (CGPA) of 1.0 or higher.

MSc 12 Assessment results

On successful completion of the curriculum, candidates who have shown exceptional merit of achieving a cumulative grade point average (CGPA) of 3.6 or higher may be awarded a mark of distinction, and this mark shall be recorded on the candidates' degree diploma.