4.2.4.1 Overview

The Master of Science in Environmental Engineering programme is targeted at graduates who are either working or considering a career in environmental engineering and wish to be part of the global effort to incorporate environmental considerations in all human activities. The curriculum is sufficiently flexible to accommodate students from science and technology backgrounds as well as provide practising engineers an opportunity to enhance their technical competence. This programme is also suitable for graduates who wish to build on their prior educational background and professional experience in the field of environmental science and technology, and to acquire new skills for solving advanced environmental engineering problems, thus enabling them to contribute in greater measure to Singapore’s push to develop its environmental technology industry. The programme will prepare students to contribute to the environmental protection efforts spearheaded by countries in the region. In addition, this broad-based educational programme would be of relevant interest to professionals in the government’s regulatory and statutory bodies, as well as institutes of higher learning.

The Master of Science (MSc) in Environmental Engineering is structured around lectures, continual assessments and end-of-semester examinations. Candidates may opt for part-time or full-time study.

Part-time students will normally read two graduate modules equivalent to 8 MCs per semester and attend lectures two evenings per week.

Full-time students will normally read three to four graduate modules equivalent to 12 to 16 MCs per semester and attend lectures three to four evenings per week.

A candidate needs to complete a programme of study consisting of one core module and at least nine elective modules. Some modules may have prerequisites. It is the candidate’s responsibility to ensure that the prerequisite requirements, if any, are met. Candidates should also note that the final composition of graduate modules proposed by themselves is subject to approval by the Department of Civil & Environmental Engineering. Candidates may, as part of the ten-module requirement for the MSc and subject to approval by the Department of Civil & Environmental Engineering, take up to two modules not exceeding 10 MCs that are from other departments/faculties.