Regulations for the

M.Eng., Course and Project Master's Program

Department of Computing and Software

McMaster University

CAS-2016-12

1 Master of Engineering (M.Eng.)

This program is intended for those interested in a career as a practicing professional in Computing and Software related fields. Students must:

1. Successfully complete six half (one-term) graduate courses.
2. Complete an independent project demonstrating the ability to carry out independent studies and reach a satisfactory conclusion in an area of Computing and Software.

1.1 Advanced Credit Option

Students in McMaster's Computer Science, Software Engineering, and Mechatronics Engineering undergraduate programs may apply for the Advanced Credit Option upon enrolling in the program *immediately* after completion of their undergraduate study. Students taking the Advanced Credit Option are allowed to take two 600 level courses while in level 4 of the respective undergraduate program. A student may be admitted to the advanced credit option of the M. Eng. program after

- completing level 4;
- completing the advanced credit courses with a minimum of B- for each; and

- achieving at least a B- sessional average in level 4 of their undergraduate program.

1.2 Funding

Funding is normally the responsibility of the candidate. Funds may be available in the forms of teaching assistantships, entrance scholarships, and funding to support a project (see Section 1.5). Students may also enter the program on a part-time basis.

1.3 Supervisor

All students will have a supervisor from the Department to guide them through the program. Students are strongly encouraged to indicate the intended supervisors in their application materials. The supervisor will be assigned in the offer of admission and serve as the project supervisor (see Section 1.5).

1.4 Course Requirements

A student in the M. Eng. program must complete six half (one-term) graduate courses. Students must complete:

1. At least four 700 level courses.
2. At most two courses may be at the 600 level.
3. At most two courses, subject to the approval of the supervisor and graduate advisor, can be from another department in the Faculty of Engineering or the Dept. of Mathematics and Statistics, or the School of Computational Science and Engineering.

The two 600 level courses may be taken as an Advanced Credit in the last year of undergraduate studies in McMaster University (see Section 1.1).

1.5 The Project

The project provides an opportunity for students to demonstrate that they can apply what has been learned in the program.

1. Projects will be specified by the supervisor in the department, possibly in collaboration with industry.

2. The duration of a project is typically four months. A project could be completed at a company, but it must be conducted under the supervision of a faculty member.

3. An Examination Committee is formed, consisting of the supervisor(s) and at least one faculty member from CAS. The supervisor(s) nominate the Examination Committee and should be approved by by the Chair or delegate.

4. Students must submit the project, including all documentation, to the Examination Committee for evaluation before the end of the final term of the degree program.

5. The Examination Committee decides on the outcome: pass or fail. If the decision is fail, comments must be provided to aid in a revision. The decision must be made within three weeks of receipt of the project.

6. If the initial decision was fail, the student may resubmit the project after addressing the committee's concerns. If the subsequent decision is fail, the student is dismissed from the program.

1.6 Program Timing

1. All courses should be completed within 16 months of entry into the program.

2. The project should be completed within 20 months of entry into the program.