

I Gill

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I) MASTERS PROGRAMS

1) Master of Engineering Thesis program (M.Eng. Thesis)

This is a research program

The M.Eng. Thesis program is a full-time program, and students in this program automatically have full-time status. Part-time status is not permitted in this program. The length of study for full-time students is typically 18-24 months. The time limit to complete this degree is three years. Whether or not you are registering for courses, you must register for the current academic year online and include the registration confirmation REGN RCGR numbers (for both

encouraged. Note that it is not necessary to wait to register for MECH 603 and MECH 604 until you plan to submit your project report. If you do not submit your report by the end of the term(s) in which you register for these courses, do not register for them again. T (which), is assigned and then changed to a regular grade once the project report has been submitted.

All M.Eng.

- MECH 533 Subsonic Aerodynamics (3 credits)
- MECH 542 Spacecraft Dynamics (3 credits)
- MECH 687: Aerospace Case Study (3 credits). See details below
- MECH 688: Industrial Stage (6 credits): See details below
- Complementary Advanced Courses (selection of courses to reach a minimum of 45 credits).
A minimum of two (2) advanced courses are to be taken outside of McGill, at least at two (2) other participating universities. This does not include the MECH 687 Aerospace Case Study that may also be taken at other participating universities but is considered as a McGill course.
List of graduate courses: https://www.mcgill.ca/study/2016-2017/faculties/engineering/graduate/courses?f%5B0%5D=field_subject_code%3AMECH.

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- MECH 687: Aerospace Case Study (3 credits). See details below
- MECH 688: Industrial Stage (6 credits): See details below

MECH 687 Aerospace Case Studies (applies to ALL M.Eng. Aero programs): Case Study courses are organized by CIMGAS, and are shared while being offered at one of the participating universities and are conducted by industrial experts. The course covers topical case studies drawn from aerospace industrial experience. The member of the Aerospace Engineering Committee in charge of coordinating courses is [Prof. Tim Lee](#).

responsibility to ensure that the following two documents are forwarded, by the Supervisor, to the Graduate Student Affairs Coordinator (grad.mecheng@mcgill.ca) in the Department of Mechanical Engineering at McGill University:

- 1) A desensitized report of his/her findings and accomplishments during the Stage be submitted both to the company supervisor and the Aerospace Engineering Committee at McGill.
- 2) A Stage Evaluation Form: [French Form](#) / [English Form](#)

Because there is a limited number of internships available per term and recruitment is competitive, the MIAE cannot guarantee that each student will be successful in obtaining an internship. In the case where a degree candidate is unable to arrange for a suitable Industrial Stage, it is possible for him/her to apply to replace this with the Aeronautics Project Course (MECH 681) towards the completion of his/her degree requirements.. Aeronautics projects are undertaken under the direct supervision of at least one staff member. Examination entails the writing of a report, which is examined internally.

Note for M.Eng. Aero Students

exam the committee will evaluate the capability of the student to carry out the proposed research.

The Ph.D.

5) Course Failure and unsatisfactory Progress Tracking Report: In the event of a first course failure or a first unsatisfactory Progress Tracking Report, specific steps must be taken as described in https://www.mcgill.ca/study/2018-2019/university_regulations_and_resources/graduate/gps_gi_failure_policy

In the event of a first course failure (i.e., a grade less than B-, J grade, or K or L grade):

- Master (Thesis): Students can retake the failed course or substitute the failed course by an equivalent course. The selection of an equivalent course must be approved by the Research Supervisor (email supervisor the course number and course description).
- Masters (Non-Thesis):

Internal scholarships: These scholarships are provided by the department of Mechanical Engineering or the Faculty of engineering.

- **McGill Engineering Doctoral Award (MEDA) - Domestic:** For new domestic doctoral students. Valued at \$24,000/year for 3 academic years. Candidates are automatically considered during the Ph.D. application process.
- **McGill Engineering Doctoral Award (MEDA) International:** For new international doctoral students. Valued at \$37,000/year for 3 academic years (to compensate for higher tuition rates). Candidates are automatically considered during the Ph.D. application process
- **McGill Engineering Doctoral Award (MEDA) Leveraged:** Guaranteed top-up award to all successful National Science and Engineering Research Council (NSERC) doctoral scholarship and FRQNT provincial scholarship recipients accepted to McGill Engineering.
- **McGill Engineering International Tuition Award (MEITA):** For new international doctoral students. Valued at a minimum of \$27,000/year for up to 3 years. Candidates are automatically considered during the Ph.D. application process.

Graduate Excellence Fellowships (GEF): Funding available to new and continuing Masters students,

External scholarships: These scholarships are offered by external agencies or organization. The list

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APPENDIX 1: Graduate Seminar

M.Eng. Seminar-Mechanical Engineering: All candidates for a Master's degree (except those in the Aerospace Program) must present one seminar dealing with their research topic, and attend at least twelve seminars presented by other Masters students. Each of the talks in a session will include a 15-17 minute presentation, a 5-minute Q&A and a 5-minute evaluation/transition period (students can complete evaluation forms during the talk and the Q&A). Students planning to present their seminar are expected to reserve a slot, well ahead of time. The sessions for a term will be announced in the beginning of the academic year or at the end of the previous term. Students can sign up for a slot on a first-come, first-served basis as soon as the session dates are announced. **An abstract approved by is required to secure a slot.**

- Once seminar date(s) and time slots are announced, agree with your supervisor on the date/time presentation is **required**.
- Prepare an abstract using the template provided at <http://www.mcgill.ca/mecheng/grad/info/policies/forms-templates> (copy and paste this link in your browser as hyperlink gets compromised during PDF conversion of this document) and have it approved by your supervisor.
- Submit your abstract by e-mail to (grad.mecheng@mcgill.ca) **with copy** to Prof. Melanie Tetreault-Friend (melanie.tetreault-friend@mcgill.ca) **and** your supervisor(s), including in your e-mail your McGill ID number and stating clearly i) that your supervisor(s) has (have) approved it and ii) the time slot(s) your supervisor(s) is (are) committing to attend to. Copying your supervisor(s) ensures their approval and their commitment to attend at the specified date and time(s).
- If by the time of your submission, the time slot(s) that your supervisor(s) can attend are not available anymore, you will have to restart this process for another seminar date. **If you do not receive a confirmation, you do not have a time slot.**

Students will only get credit for attending a talk if they complete and return an evaluation **personally** to the seminar convenor **at the end of each talk**; no evaluations will be accepted at a later time, even during the same seminar session. T TJE3(tudents wil)-2(l onl)-13(y)30()-9(g)10(e)4(t)-11(c)4(re)-2(dit)-3(for)

- Audience engagement: was the presentation sufficiently engaging and interesting to motivate several questions from the audience
- Peer review based on the last rubric on the evaluation forms collected from students attending the seminar. This form will also be used to ascertain the attendance of students at these seminars.

The specific weighting of the above criteria will be at the discretion of the course administrator. A presentation. The criteria for selection for this award will be the same as the evaluation scheme above.

APPENDIX 3: Ph.D. Thesis preparation and submission rules and guidelines

Your Ph.D. thesis must conform to the GPS guidelines found on their website: <http://www.mcgill.ca/gps/thesis/thesis-guidelines>. Information on deadlines can be found here: <http://www.mcgill.ca/gps/thesis/deadlines>. This appendix provides a guideline of the thesis submission process:

1) Nomination of Internal & Examiner (NIE) form: About six weeks before initial submission, you and your supervisor must select an internal examiner (i.e. usually at McGill) and a list of three potential external reviewers (i.e. outside McGill) who can evaluate your Ph.D. thesis. This information must be submitted in a NIE form. The examiners must have the necessary expertise to evaluate your thesis. Please read the guidelines on conflict of interest. Do not contact these examiners. Submit your NIE form to the department by email (grad.mecheng@mcgill.ca).

NIE Form:

Guidelines on selecting thesis examiners:

<https://www.mcgill.ca/gps/thesis/thesis-guidelines/examination/thesis-examiners>

2) Nomination of Examiners (NOE) form: Within three to six weeks before the initial submission of your thesis, you must prepare and submit a NOE form. Submit your NOE form to the department by email (grad.mecheng@mcgill.ca). You must have fulfilled all the other requirements of the program in order to submit your initial thesis submission. Once the form is approved and signed by the Graduate Program Director, it is returned to you by email in time to en-CA11912 to en-CA12 79210 g0 G{

