

APPLIED SUSTAINABILITY

The collaborative specialization in Applied Sustainability offers M.Eng. and M.A.Sc. students training in a multidisciplinary environment spanning engineering departments and linking with researchers in the School of Policy Studies. The collaborative specialization allows students to undertake cutting-edge research under the supervision of internationally recognized investigators in diverse Applied Sustainability fields, and provides opportunities for multidisciplinary research and learning that will be invaluable for the graduate student's career development. Areas of research interest include:

1. Applied Sustainability and Energy Technology,
2. Applied Sustainability and Fresh Water Systems,
3. Applied Sustainability and Resource Management and
4. Applied Sustainability and Policy Studies.

Building on the applied sustainability strategic theme of the Faculty of Engineering and Applied Science, the objective of the collaborative specialization is to expose students to the implementation of sustainable engineering solutions within the context of broader sustainability theory. To do this properly, engineering students must not only advance their technical education, but must gain insights into how public policy impacts on the success of engineering solutions to multidisciplinary sustainability problems.

The collaborative specialization available to Master's students is associated with these six graduate programs at Queen's University:

- Chemical Engineering
- Civil Engineering
- Electrical and Computer Engineering
- Geological Sciences and Geological Engineering
- Mechanical and Materials Engineering
- Mining Engineering

Application Procedure

Applicants are accepted under the general regulations of the School of Graduate Studies and of the member graduate programs.

The collaborative specialization is offered at only the Master's level. For further details, interested students are encouraged to contact the representative from the department that is best aligned with their current research interest.

Program of Study

The collaborative specialization is available to eligible, approved Master's students associated with the six member programs at Queen's University.

Students will enroll in their respective home departments and must meet the program requirements of their home departments.

There will be two mandatory core courses students in the collaborative specialization must take: CMAS 801 Topics In Applied Sustainability and CMAS 897 Applied Sustainability Seminar.

M.A.Sc. students take four courses plus a thesis, plus the seminar series. M.Eng. students take eight courses, one of which may be a project course, plus the seminar series.

Upon graduation, students will have "with specialization in Applied Sustainability" added to their official transcripts.

Financial Support

Full-time students are encouraged to seek external financial support and are encouraged to apply for NSERC and OGS graduate scholarships. Fellowships and teaching assistantships are available through the University and students are automatically considered for these, on a competitive basis, upon admission to one of the member programs.