



## Cyber Security Graduate Programmes & Courses

### Royal Military College of Canada

The Royal Military College of Canada (RMC) is pleased to tell you about its various options for graduate studies in Cyber Security. This short note aims to let our partners know about these programmes and to inform you of the application and registration details for the Winter 2021 Academic Semester. General information on these programmes and courses can be found in the RMC Graduate Studies Calendar (<https://www.rmc-cmr.ca/en/registrars-office/graduate-programmes-electrical-engineering-and-computer-engineering>) and are discussed in further detail below.

#### Graduate Degree Programmes in Electrical and Computer Engineering

RMC has been offering graduate programmes at the doctoral and master's level in Electrical and Computer Engineering (ECE) for many years, where it is possible to specialize in Computer & Network Security. Officers of the Canadian Armed Forces can obtain the *Computer Network Security Officer* Specialty Qualification code AKQX following the completion of such a graduate degree. While more details on these programmes can be found here (<https://www.rmc-cmr.ca/en/registrars-office/graduate-programmes-electrical-engineering-and-computer-engineering#mddr>), you should note that the Doctorate (PhD) requires a qualifying master's degree and the completion of four additional graduate courses, comprehensive exams and a thesis and the Master of Applied Science (MASc) requires the completion of six graduate courses and a thesis. Graduate degree programmes can be completed on a full-time or part-time basis, and distance education options are currently offered. PhD and MASc students usually begin their programme of study in the Fall semester and can apply at any time.

#### Graduate Certificate in Cyber Security (GCCS)

We are pleased to announce the creation of the GCCS in 2020. The GCCS is described here (<https://www.rmc-cmr.ca/en/registrars-office/graduate-programmes-electrical-engineering-and-computer-engineering#gccc>). It is a non-degree granting graduate programme which requires the completion of five select graduate courses in ECE (EE547, EE569, EE578, EE580, EE593, EE595, EE597), the Master of Business Administration (MBA503) or Master of Public Administration (MPA535, MPA591) programmes. While the entrance requirements to ECE graduate programmes are quite stringent, the GCCS is intended to be more permissive and we encourage all interested person to apply, as the Selection Committee will consider all relevant academic, professional and work experience.

#### Special Student Category - Interest Only

Potential applicants can also complete up to two courses as an *Interest Only* student, without having to be admitted to a graduate programme, though students are still required to apply. As was the case for the GCCS, admission requirements for *Interest Only* students are also more permissive than those applying to graduate programmes.

## Applications

More information on our graduate programmes can be found here (<https://ecegrad.segfaults.net/>); of particular interest are the **Information for applicants to graduate studies** and **Courses Offered** pages (please note that this lists all ECE graduate course, and not only those relating to cyber security).

Interested applicants should apply through the *Online Application Form* found here (<https://www.rmc-cmr.ca/en/division-graduate-studies-and-research/apply-grad-studies-rmc>), noting the following:

- Applicants to graduate degree programmes in ECE should chose the **Engineering Faculty** under the *Programme* tab of the *Online Application Form*, along with the desired degree and they should choose **Electrical and Computer Engineering** as a *Programme*. Also please note that the ECE Department does not permit applications into the *Master of Engineering*.
- Applicants to the GCCS should choose the **Non Degree Studies Faculty** under the *Programme* tab of the *Online Application Form* and choose *Certificate in Cyber Security* as a *Programme*.
- Applicants who want to do a course without applying to a programme should choose the **Non Degree Studies Faculty** with **Special Student Category: Interest Only (Graduate Studies)** as a *Programme*.

Once an applicant who is made an offer accepts it, they may register in the courses that interest them. Because of equipment limitation, we must limit enrollment in many of the cyber security graduate courses. To that end, we encourage interested parties to apply as early as possible. For example, EE569 *Malware Analysis* is available remotely during the Winter 2021 semester and currently still has a few open seats. New applicants wishing to take this course as either a *GCCS* or *Interest Only* student must apply no later than 11 December 2020.

## Additional Information

Potential applicants or supervisors who would like more information can reach out to our ECE Graduate Advisor for Cyber Security, Prof. Brian Lachine at [Brian.Lachine@rmc.ca](mailto:Brian.Lachine@rmc.ca)

Please help us distribute this announcement within your organization. We hope to see many personnel apply in the coming semesters.

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