

University of Alberta University of Alberta Calendar 2025-2026

Graduate Programs in Internetworking

Master of Science Internetworking Program
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General Information

The MSc in Internetworking program is a two year degree program that offers a theoretical and practical grounding in the principles of data communications and Internetworking. The degree is designed for individuals seeking to develop their understanding of the principles and practice of Internetworking, and to develop their ability to manage technical projects and / or companies operating in this area.

Course work consists of core courses plus options covering protocols and protocol suites, application programming, modeling and simulation, security, etc., a laboratory course to integrate the course material, and a final project to demonstrate the use of skills in these areas.

Entrance Requirements

The Department's minimum admission requirements are an undergraduate degree with an admission GPA of at least 3.0 on the 4-point scale from the University of Alberta, or an equivalent qualification and standing from a recognized institution. The admission GPA will be calculated on the last 60 units of graded coursework completed, or on the equivalent of the last two years of full-time graded coursework.

Applicants must hold a bachelor's degree in Computing Science, Electrical Engineering or Computer Engineering, or in a related field in Science or Engineering with some relevant experience. Industrial experience may also be considered as a factor when considering admission of students close to these boundaries.

Where applicable, applicants must provide proof of English Language Proficiency (refer to [English Language Requirement](#)). Any one of the following is acceptable:

- a TOEFL score in excess of 100 (Internet-based) or equivalent;
- a minimum IELTS score of 6.5 with at least 6.0 on each band
- an equivalent score on an English Language Proficiency test approved by the Faculty of Graduate & Postdoctoral Studies

It should be noted that these are minimum requirements only. Admission is competitive and applicants will be ranked with all applicants in a given admission year.

The deadline to apply for the MSc in Internetworking is February 1.

Academic Standing Requirement

Students must maintain a cumulative grade point average of 2.7. Any optional courses in which a failing grade is obtained must be retaken or replaced with an approved alternate course (see [Failure in or Failure to Complete a Course or Research Work](#)). In addition, graduation requires a minimum 2.7 GPA on all MINT courses credited towards the degree. Students must maintain standards acceptable to the Faculty of Graduate & Postdoctoral Studies to remain in the program.

Graduate Program Requirements

Master's Programs

- [Master of Science \(Internetworking\)](#)

Graduate Courses

Graduate courses can be found in [Course Listings](#), under the subject heading Master of Internetworking, MINT.
