

International Students –

a part of our global community.

Dalhousie's Internetworking Program draws students from around the world. This multicultural environment exposes students to a wide range of cultures and lets you embrace the views and experiences of many different countries. Every student brings his or her own unique experiences and perspectives to the university, and helps shape our learning community. At the Internetworking Program, you are a member of our global family.

Dalhousie University provides a wide array of services to our International applicants. Visit discover.dal.ca to learn more.



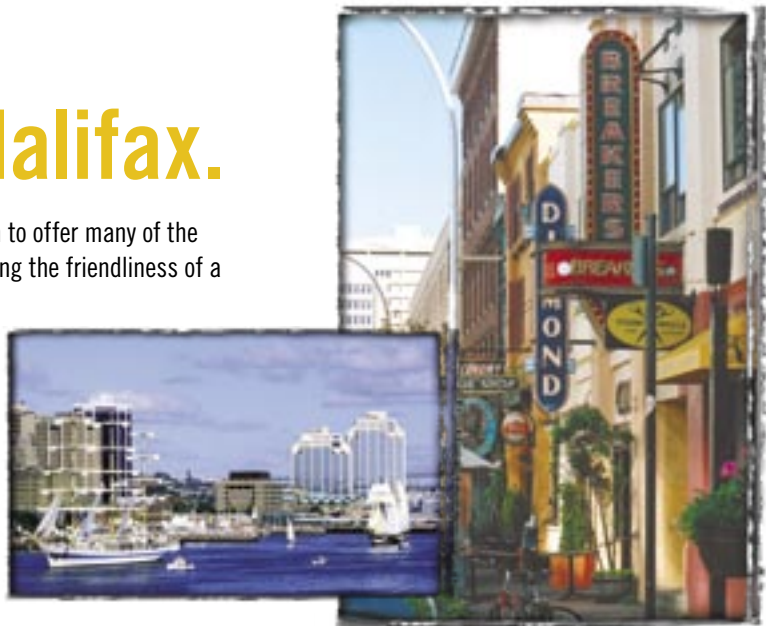
Your new space.
All the comforts of **home.**

Whether you choose to live in residence, or rent an apartment off-campus your new home is an important part of your world. You might choose to live in one of our 2,700 student housing residence rooms or apartments, or in an off-campus home with other students.

Experience it **all** in the
heart of Halifax.

Halifax, an international city of 360,000 is large enough to offer many of the activities and services of an urban city, while maintaining the friendliness of a small town.

Infused with the energy and enthusiasm of thousands of students, Halifax is an exciting coastal city with a youthful flair. Combine this student-friendly atmosphere with our legendary Maritime charm, and it is easy to see that Nova Scotia's capital city will quickly become your second home.



Exciting, challenging, rewarding

Discover
Internetworking

 **DALHOUSIE
UNIVERSITY**
Inspiring Minds
Faculty of Engineering

Internetworking Program
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MASTER OF ENGINEERING



IN INTERNETWORKING

 **DALHOUSIE
UNIVERSITY**
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Be part of the future.



Dalhousie University's Master of Engineering in Internetworking program was established in 1997 and was the first such program in the world.

Dalhousie University is one of Canada's leading universities widely recognized for outstanding academic quality and the opportunities presented by our broad range of educational and research activities. We provide a unique interactive and collaborative environment with diverse, challenging academic programs and career-oriented opportunities.

Through consultation with major internetworking industrial partners, the Internetworking Program was designed to ensure that students graduate with the knowledge and skills required to become successful participants in the internetworking industry. Network Architect, Network Test Developer, Systems Engineers, Systems Administrators, and Network Planners, are a few of the job titles held by internetworking graduates.

Acquiring knowledge is one thing.

Having a **unique** experience is another.

At Dalhousie University you will have the opportunity to apply your knowledge and develop hands-on experience using state-of-the-art internetworking equipment. You will have invaluable opportunities to analyze, test and integrate your knowledge, concepts and ideas, through interactive learning.



You will also benefit from an on-site certified Cisco instructor who will guide you in self-directed training and certification opportunities. Industry recognizes the great value of practical learning and Cisco Systems commented, "The academic quality of the program combined with the hands-on technical labs allows the graduates to make an immediate contribution to their employers."



Faculty who **innovate**.

Experts who **mentor**.

As an industry, internetworking relies on interdisciplinary knowledge, requires practical ability, and capitalizes on individual strengths. Recognizing this, our faculty members are drawn from Dalhousie's Faculties of Engineering and Computer Science. Among them are award-winning innovators, teachers, scholars, and researchers.

Earn your Master's degree in just one year.

The Internetworking Program consists of a pre-set schedule of 10 academic courses. Courses are normally taught in two-week blocks; one per month for 10 months.

Required Courses:

- Introduction to Computer Networks
- Mathematics for Internetworking
- Physical and Datalink Layer Standards and Protocols
- Internet Communication Protocols
- Network Architecture
- Telecommunication and Wide Area Networks
- Real-time Programming for Internetworking
- Network Security
- Emerging Internetworking Technologies
- Network Design

Collaborative learning environment.

Collaborative group work is built into the Internetworking Program. Working with students from around the world, you will acquire team skills that are highly valued by industry.

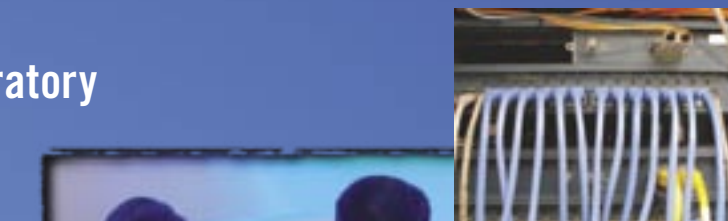
Our students earn considerable praise from industry. The Royal Bank says, "RBC Financial Group has now hired three INWK students in the last 18 months. Their innovation and ability to deliver on major projects has greatly exceeded our expectations. As a result, two of three students have been promoted in the first year of their employment. We greatly value their dedication to achieve and their desire to work as a team."

Internetworking Equipment Room Advanced Internetworking Laboratory

You will learn in an environment that features some of the world's most advanced equipment.

The Internetworking equipment room includes 10 equipment racks and two head racks. Here you will find:

- Cisco 2621 Terminal Servers
- Cisco 3640 Routers
- Cisco 4000 Router
- Three Cisco 3620 Router
- Cisco 3512XL Switches
- Cisco LightStream 1010 ATM Switch
- Ethernet Hubs
- Token Ring Hubs
- Nortel Accelar 1100 Router/Switch
- Nortel Passport 7440 Router/Switch
- Nortel Shasta 5000
- Nortel Passport 8600 Router/Switch



The Internetworking Program has established an Advanced Internetworking Laboratory (AIL). The AIL contains a full complement of multi-vendor technologies such as:

- Optical DWDM
- Wireless
- IP Telephony
- Storage Area Networks (SAN)
- Routing & Switching
- Security
- Network Performance Measurements and Testing Tools
- IPTV
- Multimedia application and service platforms capable of true end-to-end networking capabilities

You can increase your knowledge of these technologies through participation in training opportunities and on-going projects.

Dalhousie's internetworking equipment can be accessed remotely from any where in the world. As a graduate of the Internetworking Program, you can continue to use the equipment to help you advance and compete in the internetworking world.

Your **SUCCESS** is our success.