A lively coastal city of almost 400,000 people, Halifax is the perfect size – offering a blend of everything you want in an urban setting with a friendly, small-town feel.

Halifax boasts a youthful spirit, rich history and a scenic waterfront just a quick hop from campus. Combine that with our legendary Maritime charm, and Nova Scotia’s capital city will quickly become your second home.

With a thriving local music and arts scene, Halifax often plays host to world-class athletic and cultural events, as well as indoor and outdoor concerts.

**HALIFAX**

**How long is my flight?**

Flying times to Halifax from:

- **Toronto**: 2 hours
- **Montreal**: 1.5 hours
- **Boston**: 1.5 hours
- **New York**: 2 hours
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</table>
Located in Halifax, Nova Scotia, Dalhousie is one of Canada’s leading universities. We are widely recognized for outstanding academic quality in our education and research activities.

**Using this Booklet**
This booklet is designed as a fast and easy reference to Dalhousie’s many graduate programs. We would be delighted to provide you with more information if you contact us at any of the links provided on the back cover.

### Estimated Costs for One Full Year

<table>
<thead>
<tr>
<th>Description</th>
<th>CDN$</th>
<th>US$***</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011/12 fees:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition and incidental fees*</td>
<td>$7731</td>
<td>$7591</td>
</tr>
<tr>
<td>Books and Supplies</td>
<td>$2400</td>
<td>$2356</td>
</tr>
<tr>
<td>Residence (lodging and food) **</td>
<td>$9845</td>
<td>$9666</td>
</tr>
<tr>
<td>Spending money</td>
<td>$5000</td>
<td>$4908</td>
</tr>
<tr>
<td></td>
<td>$24 976</td>
<td>$24 521</td>
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</table>

For Non-Canadian Citizens:

<table>
<thead>
<tr>
<th>Description</th>
<th>CDN$</th>
<th>US$***</th>
</tr>
</thead>
<tbody>
<tr>
<td>Differential fee</td>
<td>$7 260</td>
<td>$7 128</td>
</tr>
<tr>
<td>Health Insurance</td>
<td>$636</td>
<td>$624</td>
</tr>
<tr>
<td></td>
<td><strong>$32 872</strong></td>
<td><strong>$32 273</strong></td>
</tr>
</tbody>
</table>

* Based on courses in the Faculty of Arts & Social Sciences.
  Fees vary by program.

** Based on the average residence rate for a double room.

*** Based on current exchange rate of 0.98. The rate of exchange will vary.

In the event of a discrepancy regarding the information provided in this booklet, the University Calendar will take precedence.
APPLICATION PROCEDURE

Application Deadlines

<table>
<thead>
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<th>General Graduate Application Deadlines</th>
<th>Canadian Applicants</th>
<th>Non-Canadian Applicants</th>
</tr>
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<tbody>
<tr>
<td>For September Admission</td>
<td>June 1</td>
<td>April 1</td>
</tr>
<tr>
<td>For January Admission</td>
<td>October 31</td>
<td>August 31</td>
</tr>
<tr>
<td>For May Admission</td>
<td>February 28</td>
<td>December 31</td>
</tr>
</tbody>
</table>

Please check program listings for program specific deadlines and/or contact the department offering the program directly.

If you wish to be considered for a Dalhousie Graduate Scholarship, you are strongly urged to have submitted your completed application by the following dates, regardless of when during the year you intend to start your program:

University Scholarships: January 31
Departmental Scholarships: March 1

International applicants should apply as early as possible in advance of the deadline in order to allow sufficient time for visa processing.

Application Form
APPLY ONLINE at dal.ca/grad

Or apply on paper, hard copy applications can be found at registrar.dal.ca/forms/

Submit $70.00 CDN for application fee.
Application Package
Supporting documents:
• Provide 2 copies of sealed official transcripts for all post secondary institutions attended
• Provide at least 2 confidential academic references¹
• If required, an English language competency score
• If required, Graduate Record Examination (GRE) score, GMAT, additional reference letters or personal statement, research interest statement.²
• Proof of permanent residence status, if applicable
• Proof of financial support

¹Academic references may be submitted electronically in the online application process; references must be submitted using university email addresses only
²Check to see if these are required by your department

Send Completed Paper Application Packages to:
Office of the Registrar
Dalhousie University
6299 South St.
Henry Hicks Academic Bldg.
PO Box 15000
Halifax, NS B4H 4R2
Canada

Email: admissions@dal.ca
Phone: 902.494.2450
Fax: 902.494.1630

Questions Regarding Status of Application
902.494.2485
graduate.studies@dal.ca
dal.ca/grad
ADMISSION REQUIREMENTS

Please note that entry into Dalhousie’s graduate programs is very competitive, and applicants who meet the minimum requirements are not guaranteed admission. Normally, successful applicants have academic records and qualifications which are well above the minimum requirements.

Master’s Degree Program
Candidates for admission must hold at least a four-year Bachelor’s Degree with a minimum B average from a university of recognised standing, with the following conditions:

• For entry into a Master’s program with a thesis requirement, candidates must hold a four-year Bachelor’s Degree with an honours or the equivalent of honours standing as granted by Dalhousie University in the area in which graduate work is to be done or an area which is relevant to the graduate work.
• For entry into all other programs, candidates must hold a four-year Bachelor’s Degree with at least four classes, or their equivalent, taken at a senior undergraduate level in the area in which graduate work is to be done or an area which is relevant to the graduate work. Candidates must achieve an average of at least a B in those four classes, as well a B average in the last 60 credit hours of their degree.
• Some professional programs offer a one-year Master’s program for which an honours degree or equivalent is not required for admission.

Doctoral Degree Program
The criteria for admission to Doctoral programs are more rigorous than for Master’s programs. Typically a PhD thesis must represent an original contribution which advances the field of learning in the subject. Candidates must hold:

• a first-class thesis Master’s Degree, or its equivalent, from a recognised university, for entry into a Doctoral program with a two year program fee and residency requirement; or
• a Bachelor’s Degree from a recognised university with a first-class (i.e. a minimum of an A- average) honours standing (including a research dissertation) as granted by Dalhousie University, for entry into a Doctoral program with a three year program fee and residency requirement.
• a first-class non-thesis Master’s Degree may be considered for admission to the PhD where evidence of independent research can be clearly demonstrated, such as a major research paper, presentation at scholarly conferences, publications in journals, etc.
English Language Competence
As the standard language of study at Dalhousie University is English, candidates whose native language is not English must demonstrate their capacity to pursue a graduate-level program in English before admission. The standard test is the TOEFL, however, four other standard tests are approved: MELAB, IELTS, CanTest, and CAEL. (Please see Regulation 2.4 in the Graduate Calendar for more info). The Faculty of Graduate Studies sets a minimum acceptable score of 580 for the written TOEFL, or 92 for the internet-based test. Please note, that some programs set a higher score, check online at dal.ca/grad or with the department for more information.

Additional Requirements
Some departments require the Graduate Record Examination (GRE) or GMAT scores of applicants as a criterion for admission. See Departmental Listings for details of individual admission requirements.

For More Information
For more information about Graduate Studies admission requirements please refer to the Graduate Studies Calendar which can be found online at: registrar.dal.ca/calendar/gr.

Contact
902.494.2485
ggraduate.studies@dal.ca
dal.ca/grad
Dalhousie University offers the unique opportunity to pursue graduate studies through various combined programs. Combined programs allow candidates to develop a program of study that offers further education in both disciplines. Often the combined programs reduce the number of courses required if the two programs were taken individually due to common requirements. To apply for combined degrees candidates must apply to each program separately. For more information on the individual degree programs please check the alphabetical listing.

**MASc/MPlan or MEng/MPlan***
The School of Planning, in co-operation with the Department of Civil Engineering, offers two combined programs. These programs are ideal for students with interests such as water resource planning, waste management, transportation, or infrastructure planning.

**MBA/MEng**
This is a 2 year program that enables students to select classes which lead to the degrees Master of Engineering and Master of Business Administration. This combination provides graduates with a diverse skill set in two high-demand disciplines and also serves as an outstanding tool for the future.

**MBA/JD**
This is a four-year program which enables students to select classes leading to the degrees of Bachelor of Laws and Master of Business Administration. Both admission tests (GMAT and LSAT) are required - one for each school.

**MHA/JD**
The four-year MHA/JD program between the Dalhousie Law School and the School of Health Administration enables students to select classes leading to degrees of Master of Health Administration and Bachelor of Law.

**MLIS/JD**
Dalhousie is the first university in Canada to offer the MLIS/JD degree combination. Both degrees are obtained in four years, rather than five if taken separately. This is a four-year program leading to the degrees of Bachelor of Laws and Master of Library and Information Studies.
**MPA/JD**
The School of Public Administration and the Faculty of Law offer a joint MPA/JD program. The program allows students to take the two degrees simultaneously and to complete them in four years, rather than in five years as is the case if each is taken independently.

**MLIS/MPA**
The MLIS/MPA combined degree is a three-year, full-time course of study leading to the degrees Master of Library and Information Studies and Master of Public Administration. It is the only dual degree, MLIS/MPA program in Canada and prepares students to pursue careers that deal with information in the public sector.

**MN/MHA**
The combined MN/MHA program, a collaborative undertaking between the School of Nursing and the School of Health Administration, is a three-year program which enables students to select classes leading to degrees of Master of Nursing and Master of Health Administration.

**MREM/MLIS**
A twenty-eight month course of study leading to the combined degrees Master of Library and Information Studies and Master of Resource and Environmental Management (MREM/MLIS).

*Admission temporarily suspended*
Dalhousie University offers several programs which are considered interdisciplinary. These programs cut across disciplinary boundaries and often have the flexibility to accept students from a range of backgrounds. Examples of interdisciplinary interests include environment, health, administration, international development, economics, marine affairs, social work, law, and information management.

For more information on the following programs please refer to the alphabetic listing in this book.

Interdisciplinary Programs (Faculties in brackets)

- Biomedical Engineering (Medicine and Engineering)
- Computational Biology and Bioinformatics (Computer Science, Medicine, and Science)
- Electronic Commerce (Computer Science, Law, and Management)
- Health Informatics (Computer Science and Medicine)
- Interdisciplinary PhD (Graduate Studies)
- Neuroscience (Medicine and Science)
- Prosthodontics (Dentistry and Engineering)
The Master of Science program with a specialization in agriculture represents a unique cooperation between Dalhousie University and the Nova Scotia Agricultural College. The degree is granted by Dalhousie University in association with the Nova Scotia Agricultural College, the only educational institution in the Atlantic Region with the faculty and facilities capable of providing such a program of study. This program is designed to provide a foundation for studies at the doctoral level and for professional careers in research and development, teaching, industry and extension.

**Length of Program**
- MSc – typical time to complete is 2 years

**Areas of Specialization**
- Agribiology
- Agricultural Chemistry
- Soil Science
- Animal Science
- Plant Science

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.893.6502
gradstudies@nsac.ca
nsac.ca/research/graduatestudies
Faculty of Medicine

ANATOMY AND NEUROBIOLOGY

Master of Science (MSc)
Doctor of Philosophy (PhD)

This graduate program provides the student with a sound multidisciplinary background in the morphological sciences, in-depth research training in a particular aspect of anatomy, neurobiology or a related field, and introduces the student to methods of teaching anatomy. The majority of students in this graduate program have a strong background in the biological sciences but they also come from the medical and allied health professions.

Length of Program
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Research Facilities
The department provides facilities for advanced study and research in Neuroscience, Histology, Embryology, Cell Biology, and Evolutionary Biology. The department has well-equipped research laboratories, small-animal operating rooms, aquarium rooms, walk-in cold rooms, a tissue culture facility, and a modern diagnostic imaging suite.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. In addition, applicants are expected to have received a sound training in biology and chemistry.

Contact Information
902.494.2051
gradanat@dal.ca
anatomy.dal.ca
Architecture is a challenging, well-rounded discipline. By studying architecture, students develop their artistic skill, knowledge of history and technology, social and cultural awareness, and critical imagination. Architectural design typically involves drawing and model-making, by hand or with a computer. At times it may also involve on-site construction with full-scale materials.

**Length of Program**
- MARCH – typical time to complete is 2 years
- MARPP – typical time to complete is 2 years
- MEDS – typical time to complete is 2 years

**Facilities**
One-third of the Architecture building is devoted to studio spaces open to Architecture students twenty-four hours a day. The building also has several computer labs with a wide array of equipment, as well as a fully-equipped woodworking shop, photographic facilities, and a large exhibition hall. The University Library’s Architecture collection is located nearby.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. A design portfolio is needed for application to the MARCH and MARPP programs. A design portfolio is optional for the MEDS program.

**Application Deadline**
The deadline to apply to this program is February 1st for Canadian and American students, December 1st for international students.

**Contact Information**
902.494.3973
grad.arch@dal.ca
archplan.dal.ca
Faculty of Medicine

BIOCHEMISTRY AND MOLECULAR BIOLOGY

Master of Science (MSc)
Doctor of Philosophy (PhD)

The Department of Biochemistry and Molecular Biology has a strong research focus. A vital component of their research activity is their commitment to training students for successful careers in academic, medical and industrial settings. This training includes not only laboratory work, but also guided seminar presentations and discussion groups to develop the well-rounded researcher. Their students’ successes have established a reputation of excellence for their training program.

Length of Program
• MSc – typical time to complete is 2 years
• PhD – typical time to complete is 3-4 years

Areas of Specialization
• Molecular cell biology and molecular genetics
• Comparative genomics, proteomics, and molecular evolution
• Structure, function and metabolism of biomolecules

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. A TOEFL score of at least 600 (or the equivalent score on a comparable test) is required of applicants whose native language is not English.

Contact Information
902.494.2306
rmcdevit@dal.ca
www.biochem.dal.ca
The Biological Engineering Program at Dalhousie University offers a variety of fields—biological waste management, biorobotics, agricultural engineering, aquacultural engineering, food processing engineering, renewable energy, energy conservation in greenhouses, and pollution control. The MASc and PhD degrees involve a research thesis and 4 courses plus a graduate seminar. The MEng degree is a Professional Engineering degree that requires three more courses than the MASc degree plus a graduate seminar and a project.

**Length of Program**
- MEng — typical time to complete is 2 years
- MASc — typical time to complete is 2 years
- PhD — typical time to complete is 3-4 years

**Facilities**
- Bioenergy, biotechnology and waste management labs
- Biodiesel lab
- Energy storage and desiccant lab
- Food engineering lab
- Soil and water conservation lab
- Machine shop
- Bioenvironmental engineering centre

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.4597
gsr@dal.ca
biologicalengineering.dal.ca
The Biology Department at Dalhousie University offers MSc and PhD degree programs in a broad range of specialties. Students in the department enjoy a lively intellectual and social atmosphere created by an international mix of students who have diverse interests. Programs of study and research are flexibly designed to suit the individual needs of students. Scholarship and other forms of financial support for students are available.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Areas of Investigation**
- Regulatory genetics
- Gene probing in population ecology
- Cell and developmental biology
- Physiology of marine organisms
- Marine ecology
- Life history theory
- Behavioural ecology
- Applied ecology

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.3515
biology@dal.ca
biology.dal.ca
The School of Biomedical Engineering is a collaborative effort of the Faculty of Medicine and the Faculty of Engineering. The program has a particular interest in biomedical devices innovation. Degrees are awarded for concentrated study in a selected area involving course work and a research project, and a thesis is required. Applicants should indicate their preferred research area when applying.

**Length of Program**
- MASc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Areas**
- Biomaterials and Tissue Engineering
- Biosignals and Physiological Modelling
- Human Dynamics and Rehabilitation Engineering

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Students from overseas should note that the Graduate Record Examination (GRE) is strongly recommended, and that a score of 600 in the paper-based TOEFL (or the equivalent score on a comparable test) is required from students whose first language is not English. Please note this department requires all applicants to have an A- average.

**Contact Information**
902.494.3427
bme@dal.ca
bme.medicine.dal.ca
Canada’s only Corporate Residency MBA provides opportunities for faster career advancement in the student’s chosen field. Through an eight-month corporate residency, students will have the opportunity to work with one of Canada’s leading employers in an exceptional, paid work experience. This MBA program prepares talented and committed professionals to manage with integrity and make a difference. Starting in July of each year, this 22-month program integrates top employers throughout the academic process, is delivered by award-winning faculty and provides personalized, integrity-based leadership development.

**Length of Program**
- MBA – typical time to complete is 2 years

**Concentrations**
- Finance
- Business & Government
- International Business
- Marketing

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. A previous business degree is not required. A resume, profile, personal essay, letters of recommendation and a minimum GMAT score of 550 are required.

**Contact Information**
902.494.1814
Toll free: 1.888.432.5622
mbacr@dal.ca
dalmba.ca
The responsibilities assumed by Chemical Engineers include a wide range of activities such as research and development of novel products and processes, the design, development and operation of process plants, and management of technical operations and sales. Research opportunities leading to the Masters and Doctorate degrees are offered in a wide range of topics within the Department as well as in conjunction with other departments and a number of research centres on the campus.

Length of Program
- MEng – typical time to complete is 2 years
- MASc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Research Areas
These encompass, among others, the traditional areas of environmental control, plastics and polymers, pulp and paper, instrumentation and process control, petrochemicals, petroleum and natural gas processing, and energy conversion and utilization, as well as the growing fields of biotechnology, food processing, composite materials, corrosion and protective coatings, and manufacture of microelectronic components.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Contact Information
902.494.4597
gsr@dal.ca
chemicalengineering.dal.ca
The Department of Chemistry has an international reputation for both teaching and research. The graduate program typically includes about 70 MSc or PhD students, 5 visiting scientists, 20 postdoctoral researchers or research associates and 25 summer research assistants. Alumni of Dalhousie Chemistry occupy prominent academic, industrial and government positions across North America. Both the MSc and PhD emphasize independent research carried out by the student under the supervision and guidance of faculty members.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Facilities**
The Nuclear Magnetic Resonance Centre, the X-ray Crystallography Facility, the Mass Spectrometry Lab, the Theoretical & Computational Chemistry Facility, and the Laser Photolysis Centre.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. It is recommended that all students from outside Canada submit the results of the advanced subject Graduate Record Examination (GRE) in Chemistry. In most cases this will be made a precondition to consideration of the student’s application for admission.

**Contact Information**
902.494.3306
chemistry@dal.ca
chemistry.dal.ca
Civil Engineering graduates can be found in responsible engineering and administrative positions in industry and government. Some become consultants in planning, design or construction of engineering projects or in specialized fields where the application of research to the solution of practical problems is important. The professional practice of a Civil Engineer includes the conception, design, construction, operation, and maintenance of private and public projects.

**Length of Program**
- MEng — typical time to complete is 2 years
- MASc — typical time to complete is 2 years
- PhD — typical time to complete is 3-4 years

**Course Work**
Courses are available in the following areas:
- Transportation
- Hydrotechnical Engineering
- Environmental Engineering
- Geotechnical Engineering
- Materials and Structural Engineering

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.3241
gsr@dal.ca
civilandresource.engineering.dal.ca
Faculty of Arts and Social Sciences

CLASSICS

Master of Arts (MA)
Doctor of Philosophy (PhD)

The Department of Classics graduate programs specialize in the main fields of Literature, History, Philosophy, and Patristics. These programs address the interests of students seeking knowledge of their literary, philosophical, political, and religious traditions. In general, the program should appeal to students with wide humanistic interests who wish to study contemporary culture through its ancient origins.

**Length of Program**
- MA – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Areas of Study**
MA students may concentrate their work in Greek, Roman or Hellenistic history, literature, or philosophy, or they may choose Medieval Philosophy. PhD candidates must work in the area of Hellenic and Hellenistic Studies.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies and will normally hold an Honours degree in Classics or its equivalent. Please note that some components of this graduate program require competency in Greek and Latin.

**Contact Information**
902.494.3468
claswww@dal.ca
classics.dal.ca
The academic objective of the Clinical Vision Science program is to provide students interested in the profession of orthoptics/ophthalmic medical technology with a strong foundation in the vision sciences and in research techniques. The program is directed at optimising professional clinical practice by encouraging an integrated approach to the field of the vision sciences and expanding knowledge of the research that underpins much clinical practice.

**Length of Program**
- MSc – typical time to complete is 3 years

**Program Options**
Students have the option of exiting from the program after the second year with a concurrent Graduate Diploma in Orthoptics and Ophthalmic Medical Technology, or completing a thesis for an MSc in Clinical Vision Science.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. In addition, entrants should have a minimum of one class in human anatomy and/or physiology and one class in psychology with a laboratory component.

**Application Deadline**
The application deadline for this program is March 1st.

**Contact Information**
902.494.1547
orthoptics@iwk.nshealth.ca
cvs.healthprofessions.dal.ca
Faculty of Medicine

COMMUNITY HEALTH AND EPIDEMIOLOGY

Master of Science (MSc)

The MSc Program in Community Health and Epidemiology is a degree program with an emphasis on knowledge, analytical skills and formal evaluative methods. These skills are applied to disease prevention, health promotion and assessment of community health service and system needs. The program requires a minimum of 5 core courses, 3 elective courses, and a Master’s Thesis.

Length of Program
• MSc – typical time to complete is 2 years

Required Classes for MSc
• Community Health Principles
• Epidemiology Principles
• Principles of Biostatistics
• Research Methods in Community Health and Epidemiology
• Introduction to Health Services Research & Policy

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Other requirements for entry include undergraduate training in a health or related scientific discipline. Work experience in the health sector is recommended.

Application Deadlines
The application deadline for this program is January 31st or November 1st of prior year for students wishing to be considered for funding.

Contact Information
902.494.3575
chegrad@dal.ca
che.medicine.dal.ca
This program is set within the framework of current interdisciplinary research conducted within Dalhousie. Students in this program will join a community of researchers in the fields of computational biology and bioinformatics. Resources from the Faculties of Computer Science, Medicine, and Science are coordinated to offer a flexible program, with a limited course load and an emphasis on research activities. Students from a broad selection of backgrounds are invited to consider the program. Each candidate is supervised within the research group of their supervisor from the beginning of their tenure.

**Length of Program**
- MSc – typical time to complete is 2 years

**Relevant Disciplines**
Candidates for admission to the Masters of Computational Biology and Bioinformatics should hold an honours degree in any relevant discipline. Relevant disciplines are typically: Biology, Biochemistry and Molecular Biology, Computer Science, Mathematics, Physics and Statistics.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.2740
cblouin@cs.dal.ca
gcal.dal/compbiol.htm
The Faculty of Computer Science offers both Master’s and Doctoral degree programs. The Master’s program is available either with a traditional research-oriented thesis option, or with a project option and more courses designed for students interested in an advanced professional degree. Research in the Faculty has an interdisciplinary approach. There are approximately 30 full-time professors in the Faculty, and approximately 200 students registered in the Master’s and Doctoral programs.

**Length of Program**
- MCSc or MACSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Areas**
Software engineering and applications, data collection, storage and analysis, communications and networks, theory and algorithms, network and new media applications, and human computer interaction.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. To be admitted to the MCSc or MACSc all students must have completed an undergraduate program in Computer Science with high standing. To be admitted to the PhD program all students must have completed a thesis-based Master’s degree in Computer Science.

**Contact Information**
902.494.6438
graduate@cs.dal.ca
cs.dal.ca
The Department of Earth Sciences at Dalhousie University offers MSc and PhD programs in a variety of fields. Co-operation with the Geological Survey of Canada (Atlantic) at the Bedford Institute of Oceanography and the Oceanography Department (Dalhousie) enhances their research strength in Marine Geology, mainly carried out through the Department’s Centre for Marine Geology. The Department is actively involved in the Ocean Drilling Program (the Canadian Secretariat for this program is in the Department) and with International Geological Correlation Programs.

Length of Program
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Fields of Study
These include for example: marine geology and geophysics, Appalachian geology, isotope geology, economic geology, petrology, geochemistry and mineralogy, geophysics, sedimentology, micropaleontology and coastal sedimentation, structural geology, metamorphism, and tectonics.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Contact Information
902.494.2358
earth.sciences@dal.ca
earthsciences.dal.ca
Faculty of Science

ECONOMICS

Master of Arts (MA)  
Master of Development Economics (MDE)  
Doctor of Philosophy (PhD)

The MA in Economics is an intensive, 12-month course of study that prepares the student for PhD-level study in economics, or to pursue a career as an economic analyst in the public or private sector. The Department also offers a Master of Development Economics (MDE), which is a two-year professional course of study that focuses on economic progress in poor countries and poor regions of wealthy countries such as Canada. The MDE prepares students for professional policy-analysis in the public or private sectors in Canada or abroad. Finally, they also offer a PhD program intended particularly for those interested in an academic career. PhD students complete courses in micro- and macroeconomic theory, econometrics, and two fields of specialization.

Length of Program

- MA – typical time to complete is 2 years
- MDE – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Program Choices for MA

Economic theory, econometrics, labour economics and social policy, public finance, resource economics, monetary theory, industrial organization, and regional and development economics.

Admission Requirements

Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. For the MA and MDE programs, candidates must have an average of at least B+. For the PhD program, students must have an average of at least A-.

Contact Information

902.494.2037  
economics@dal.ca  
economics.dal.ca
The Electrical & Computer Engineering Department includes 14 full time faculty members, 5 adjuncts, and 60+ graduate students. The role of this department in the intellectual and technological growth of Nova Scotia and Canada is that of a catalyst for research and technology transfer. The collaboration of faculty members with companies, universities, and centers of excellence is an indication of the strengths of this department. Their graduates hold positions in both major industrial companies and small and medium enterprise companies.

Length of Program
- MEng – typical time to complete is 2 years
- MASc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Research Labs
Communications, Micro/Nanoelectronics and MEMS, Photonic and Optics, Power Systems and Energy, RF/Microwave Wire-less, and Robotics. The Department houses two Research Chairs: Killam Chair in Wireless Technologies and CRC-II in Photonics as well as one NSERC-UFA.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Contact Information
902.494.3996
gsr@dal.ca
ece.dal.ca
Electronics Commerce is a discipline whose underpinnings lie equally in technology, business, and social and economic policy and yet is distinct from any of the disciplines. This multi-disciplinary two-year program consists of core courses, elective courses, a research paper, project, or thesis and an industrial internship. Students study core topics in each of the three areas and can then concentrate on some topics by choosing electives from the Technology, Business, Law, and Policy study areas.

Length of Program
- MEC – typical time to complete is 2 years

Options for the Research Component of the Program
- Research paper + 2 additional electives
- Research project
- Thesis

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Students entering this program have usually completed a four-year bachelor’s program or graduate degree in Computer Science, Computer Engineering, Industrial Engineering, Business, Social Science (e.g. Political Science or Economics), Law, or other related disciplines. All applications are individually evaluated and students from other disciplines may be admitted. A paper-based TOEFL score of at least 600 (or the equivalent score on a comparable test) is required of applicants whose native language is not English.

Contact Information
902.494.2740
mec@cs.dal.ca
ecomm.dal.ca
Areas of Study

- Biological Engineering
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Electrical and Computer Engineering
- Engineering Mathematics
- Environmental Engineering
- Food Science
- Industrial Engineering
- Internetworking
- Materials Engineering
- Mechanical Engineering
- Mineral Resource Engineering
- Petroleum Engineering

For more information on individual programs, please see corresponding alphabetical listing.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Contact Information
902.494.1288
gsr@dal.ca
engineering.dal.ca
Faculty of Engineering

ENGINEERING MATHEMATICS

Master of Science (MSc)
Doctor of Philosophy (PhD)

The program provides a specialization in Applied Mathematics with the engineering background knowledge required for work with engineers and scientists on problems that require a combination of engineering insight and rigorous mathematical analysis. It also prepares the student for work on engineering problems in research centres and industry. The program is designed for students who have already completed an undergraduate program in Mathematics, Physics, Computer Science, or Engineering.

Length of Program
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Current Research Projects
- Biological Control Systems
- Geotechnical Engineering
- Industrial Control Systems
- Internetworking
- Signal Processing/Pattern Recognition
- Fluid-Structure Interaction
- Marine Ecosystem Modelling

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. They also require at least two full year mathematics classes at the third year level, one of them in differential equations. Applicants without these requirements may be admitted to a Qualifying Program.

Contact Information
902.494.6085
gsr@dal.ca
www.engmath.dal.ca
Dalhousie’s Department of English is one of the oldest in Canada, having been established in 1866. The Department currently has twenty-two tenured or tenure track faculty, and sixteen adjunct faculty who teach at neighbouring institutions but take an active part in this graduate program. The Department’s graduate programs are small and select and known for their collegiality. They take in about fifteen MA students per year, and about three or four new doctoral students.

**Length of Program**
- MA – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research**
The Department of English currently offers seminars and conducts research in all areas of British, American, Canadian, and Postcolonial literatures, as well as literary theory and cultural studies.

**Admission Requirements**
Candidates must, at a minimum, satisfy the general requirements for admission to the Faculty of Graduate Studies. Standards in the department require applicants to have at least an average of A-, and a writing sample must be submitted.

**Application Deadline**
Students who wish their applications to be competitive should submit them by January 31st, or January 15th to be considered for a Killam award.

**Contact Information**
902.494.6924
gradengl@dal.ca
english.dal.ca
ENVIRONMENTAL ENGINEERING

Master of Engineering (MEng)
Master of Applied Science (MASc)

This program is comprised of faculty from different departments in the Faculty of Engineering who have research interests in the multidisciplinary field of Environmental Engineering. Graduate education in Environmental Engineering develops a strong foundation in science and engineering principles which are applied to the solution of important problems related to sustainable utilization of natural resources and protection of the environment. Areas of study include energy and the environment, soil and water quality management, waste management and remediation, pollution control, and environmental assessment.

**Length of Program**
- MEng – typical time to complete is 2 years
- MASc – typical time to complete is 2 years

**Field Research**
Graduate students can also conduct field research studies on soil erosion, biochemical transport phenomena, engineered wetlands, bio-waste composting and bioremediation at the Bio-Environmental Engineering Centre jointly administered by the Faculty of Engineering and the Nova Scotia Agricultural College located in Truro, Nova Scotia.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.4597
gsr@dal.ca
environmental.engineering.dal.ca
The School is a leading institution in environmental management and capacity building in Canada and abroad. At the core is an interdisciplinary teaching and research program emphasizing rigorous inquiry and ethical practice as the foundation of responsible environmental and resource management. Efforts are devoted to addressing causes rather than symptoms and learning to predict change.

**Length of Program**
- MES – typical time to complete is 2 years
- MREM – typical time to complete is 2 years

**Program Requirements**
The MES includes course work and a thesis. The minimum course requirement is eight half-credits.

The MREM involves three coursework terms and one internship term. The internship will be undertaken during the summer months in the third semester. The minimum course requirement is 13 half credits.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Application Deadline**
The application deadline for this program is January 31st.

**Contact Information**
902.494.3632
sres@dal.ca
sres.management.dal.ca
This program offers graduate level class work and research opportunities related to food process technology, food microbiology, edible oils, engineering design, post-mortem biochemistry of muscle foods, proteins and enzymes, food rheology, and beverage science. A wide range of food processing equipment, a pilot plant, and well-equipped laboratories offer unique opportunities for graduate training and research. Students with degrees in food science, engineering, chemistry/biochemistry, microbiology or biology are invited to apply. The graduate degree programs share some facilities with the Canadian Institute of Fisheries Technology, a specialized resource centre for graduate education and research in food science and food process engineering with emphasis on seafoods.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Facilities**
- Fish & food processing pilot plant
- Food analysis labs
- Food chemistry lab & instrumentation room
- Marine oils lab
- Rheology/texture lab

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.4597
gsr@dal.ca
foodscience.engineering.dal.ca
Graduate students may specialize in various sub-fields in literature, linguistics or francophone culture. It is also possible to carry out graduate studies in applied linguistics as related to the teaching of second languages. The French Department at Dalhousie believes strongly that acquiring teaching experience is a normal part of a graduate student’s training, and consequently MA students are generally offered teaching assistantships, while PhD students may be assigned a number of lectureships in the course of their studies.

**Length of Program**
- MA – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Areas**
- French and Francophone Literature and Linguistics
- Semiotics
- Cultural Studies
- French as a Second Language

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Students must also have a minimum average of B+ and must possess a high level of proficiency in French.

**Contact Information**
902.494.6816
french@dal.ca
french.dal.ca
Graduate students in this Department may concentrate on any of the periods or any particular aspect of the history of German literature and thought. Interested and gifted students may continue with doctoral studies under the supervision of Dalhousie Faculty at the University of Heidelberg. The language of instruction is German.

**Length of Program**
- MA – typical time to complete is 2 years

**Research**
Research in the Department is concerned principally with the Baroque Age, the literary and philosophical tradition of German Idealism and modernity, and the culture of the twentieth century. We have special expertise in the following fields: Reception of Islamic Orient, Reception of Greek and Roman Antiquity, General and Comparative Aesthetics.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.2161
german@dal.ca
german.dal.ca
This program meets the needs of those pursuing administrative careers in the Canadian health care delivery system. The program seeks to provide a conceptual background for the increasingly complex managerial tasks that need to be performed in health institutions and health-related government departments. The emphasis in the program is on academic, multi-disciplinary, and professional education.

**Length of Program**
- MHA – typical time to complete is 2 years

**Employment Opportunities**
The program is designed to prepare individuals for careers in hospital administration, nursing administration, long term care administration, public and community health administration, and administration in regional, provincial, and federal governments in health and health-related areas. Employment opportunities for individuals with an MHA are in policy, planning, evaluation, administration, and research.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Please note this department requires all applicants to have a B+ average.

**Contact Information**
902.494.1547
healthadmin@dal.ca
schoolofhealthadministration.dal.ca
Health Informatics studies and uses computing and information technology in health research, education, patient care, policy setting, and health services administration. Health Informatics provides a way of studying and disseminating knowledge and skills about the interaction of information technology, health care, and people. The principle purpose of this program is to prepare individuals with knowledge and skills to use information and information technology to support clinical care, health service administration, research, and teaching within the health care industry.

Length of Program
- MHI – typical time to complete is 2 years

Research Interests of the Faculty
Electronic health records, clinical decision support systems, clinical practice guidelines, healthcare knowledge management, health data mining, healthcare enterprise systems, Web information systems, health outcomes, effects of technology on health policy, telemedicine, machine learning systems, patient information systems, and the application of standards for the exchange of health information electronically.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. An undergraduate degree in a health profession or in an information technology area is necessary. It is also recommended to have university courses in statistics and computer programming. Preference is given to students with two years experience in the field (information technology or health professions). A paper-based TOEFL score of at least 600 (or the equivalent score on a comparable test) is required of applicants whose native language is not English.

Contact Information
902.494.2740
hinf@cs.dal.ca
healthinformatics.dal.ca
Health Promotion is an academic area of study and a professional field in Canada. Its goal is to promote individual, family and community health through educational processes. In the graduate program, global meets local. From an Arts and Social Sciences perspective, this department develops scholars who combine theory, practice and research in health to address issues related to diversity and social justice. The degree, which is research-based and requires the completion of a thesis, allows students to develop competency in both quantitative and qualitative research methods.

Length of Program
- MA – typical time to complete is 2 years

Programs of Study
- Communications
- Education
- Epidemiology
- Marketing
- Medicine
- Psychology
- Public Health
- Sociology
- Statistics

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Please note this department requires all applicants to have a 3.5 GPA (between B+ and an A-).

Application Deadline
The application deadline for this program is January 15th, though applications will be considered until June 1st pending space availability.

Contact Information
902.494.1154
hahp@dal.ca
hahp.healthprofessions.dal.ca
The History Department offers both Masters and Doctoral degree programs in a range of geographical and thematic areas of research. Small enough to offer individualized attention and large enough to be known internationally, their programs are characterized by a vibrant intellectual environment. Graduate students participate in the weekly “grad/fac” seminar series and organise an annual graduate history conference.

**Length of Program**
- MA – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Areas of Expertise**
- Social History
- Legal History
- Gender History
- History of Popular and High Culture
- The New Political History
- Intellectual History

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.2011
gradhist@dal.ca
history.dal.ca
This department offers Master’s level programs in Speech-Language Pathology and Audiology. Their programs include courses in foundation, or core knowledge areas considered necessary for further study in either of the two professions, as well as profession-specific courses. The programs have an extensive clinical education component, with preparation for student practicum beginning early in the first year of study. They offer both a project and a thesis option for students to undertake research work.

**Length of Program**
- MSc – typical time to complete is 3 years

**Programs**
Speech-language pathologists are qualified to identify, assess and manage disorders of speech, language, and voice affecting people from infancy through adulthood.

Audiologists are healthcare professionals concerned with the diagnosis, assessment, rehabilitation and prevention of hearing loss and balance disorders.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Please note this department requires all applicants to have an average of at least B+.

**Application Deadline**
The application deadline for this program is January 15th.

**Contact Information**
902.494.5161
hucd@dal.ca
humancommunicationdisorders.healthprofessions.dal.ca
Industrial Engineering is at the heart of the systems that are essential to our society. From airlines to online retailers, from hospitals to manufacturers, from telecommunication companies to world-wide shipping companies, industrial engineers design solutions to improve the performance of complex systems of people, technology, and information. Students entering this program come from a variety of backgrounds, including Industrial Engineering, Mechanical Engineering, Mathematics, and others. Each student is provided with a personal work area in one of the graduate student offices. Ample computer resources are available, and many students are also provided with teaching and research assistantships.

**Length of Program**
- MEng – typical time to complete is 2 years
- MASc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Areas of Research**
Areas of research include operations research, ergonomics, and a variety of other fields related to professors’ specialties.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Non-Canadian applicants must also submit a GRE score before their application will be considered.

**Contact Information**
902.494.3281
gsr@dal.ca
industrialengineering.dal.ca
The Master of Library and Information Studies is a versatile, professional degree that prepares graduates for exciting careers in the field of information. The student is introduced to the development and significance of information management wherever it is practiced, to the underlying principles of the profession, and to the techniques of information organization, analysis, retrieval, and use. Recent graduates have obtained positions all over the world as archivists, database designers, indexers, information brokers, information systems managers, professional librarians, records managers, researchers, and web designers.

**Length of Program**
- MLIS – typical time to complete is 2 years

**Areas of Concentration**
- Archives/Records Management
- Information Organization
- Information Services
- Information Systems
- Organizational Management

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. A paper-based TOEFL score of at least 600 (or the equivalent score on a comparable test), is required of applicants whose native language is not English.

**Contact Information**
902.494.2453
sim@dal.ca
sim.management.dal.ca
The Interdisciplinary PhD program is designed to meet the needs of an increasing number of highly motivated, experienced, and highly qualified students looking for research opportunities which cut across disciplinary boundaries. In some cases, the research incorporates the insights of two or three traditional disciplines; in others the research itself is in an interdisciplinary field such as environment, health administration, international development, or information management.

Length of Program
- PhD — typical time to complete is 3-4 years

Interdisciplinary Areas
The following interdisciplinary areas are particularly well represented at the university (the main relevant Faculties are indicated in parentheses): Ocean Studies (Science, Arts & Social Sciences, Law, Management, Engineering); Health Studies (Health Professions, Medicine, Science); Environmental Studies (Management, Health Professions, Arts & Social Sciences, Architecture, Engineering, Law); Management Studies (Management, Health Professions, Law, Arts and Social Sciences); and Health Informatics (Computer Science and Medicine).

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Please note this department requires all applicants to have an average of least A-. A paper-based TOEFL score of at least 600 (or the equivalent score on a comparable test) is required of applicants whose native language is not English.

Application Deadlines
Deadlines are February 1st for a September start, or October 1st for a January or May start.

Contact Information
902.494.8078
idphd@dal.ca
idphd.grad.dal.ca
The Department of International Development Studies aims to foster greater understanding between developed and underdeveloped societies through study, research and cross-cultural learning experiences. Candidates study theory, research methods, research design, development practice and write a thesis.

**Length of Program**
- MA – typical time to complete is 2 years

**Courses**
This degree is interdisciplinary and draws on courses in Biology, Business Administration, Community Health & Epidemiology, Economics, English, Environmental Studies, Health Administration, History, International Development Studies, Law, Marine Affairs, Political Science, Public Administration, Social Work, Sociology and Social Anthropology, and Urban and Rural Planning.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Please note this department requires applicants to have a minimum A- average.

**Application Deadline**
It is strongly recommend that applicants submit their information before January 31st.

**Contact Information**
902.494.3814
dsgrad@dal.ca
dal.ca/ids
Internetworking is a course-based program that covers a range of topics related to the industry, including current technology and, its past and future evolution. This intensive, one-year degree program provides students with practical experience and the solid theoretical background necessary to analyze the strengths and weaknesses of technology and the challenges that lie ahead.

**Length of Program**
- MEng – typical time to complete is 2 years

**Courses**
The program consists of 10 academic courses:
- Introduction to Computer Networks
- Mathematics for Internetworking
- Physical and Datalink Layer Standards and Protocols
- Internet Communications Protocols
- Network Architecture
- Telecommunication and Wide Area Networks
- Real-time Programming for Internetworking
- Network Security
- Emerging Internetworking Technologies
- Network Design

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.1114
internet.eng@dal.ca
internetworking.engineering.dal.ca
The Master of Journalism offered jointly by Dalhousie University and University of King’s College prepares leaders for the rapidly evolving news industry. The professional degree focuses on new methods of journalism research, new multimedia and multiplatform story forms and emerging business models. The degree has two streams: Investigative reporting and New Ventures in Journalism. Both the Investigative and New Ventures streams conclude with a professional project and both are built around a core of classes in the craft and economics of digital journalism.

Length of Program
- MA – typical time to complete is 10 months

Areas of Study
Shooting and editing video and audio, filing a mobile report from the field, the use of social media, content management systems for journalism, data visualization techniques such as mapping, timelines and slideshows, how emerging business models affect content, which news organizations will thrive and which won’t, where the jobs will be in the next decade, and what skills will be required to lead the evolution of the industry.

Admission Requirements
Applicants must satisfy the general requirements for admission to the Faculty of Graduate Studies. A personal statement and portfolio are required.

Application Deadline
The application deadline for this program is February 15th.

Contact Information
902.422.1271 ext 185
jour@dal.ca
ukings.ca/master-journalism
A multi-disciplinary study of human movement, the MSc Kinesiology program focuses on the theoretical and applied aspects of human performance in a variety of settings. The combination of theory and application, together with development of research skills, results in an outstanding academic experience and preparation for professional practice or further study. Through Dalhousie and its links with many institutions and organizations within Halifax and beyond, students are able to make important connections, resulting in valuable and meaningful collaborative learning opportunities.

**Length of Program**
- MSc – typical time to complete is 2 years

**Areas of Study**
Skeletal adaptations, exercise psychology, sport psychology, nutrition, exercise physiology, biomechanics, motor control and ergonomics

**Course Work**
All students in the program must complete a class in research methodology, instrumentation and at least one course in exercise physiology, skeletal adaptations, ergonomics or biomechanics. The remaining class work is to be determined by consultation involving the student and the academic advisor.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Please note this department requires all applicants to have a 3.5 GPA (between a B+ and an A-).

**Application Deadline**
The application deadline for this program is January 15th.

**Contact Information**
902.494.1154
hahp@dal.ca
hahp.healthprofessions.dal.ca
The Schulich School of Law is the oldest university-based common law school in the British Commonwealth. It is truly a national and international law school, and encourages applicants from all parts of the world. Over the years graduates of Dalhousie’s law faculty have had a distinguished influence on the development of law, legal education and public institutions throughout Canada and beyond. Their diverse curriculum, leading specializations, and internationally recognized faculty provide exceptional opportunities in all facets of legal education. There are approximately 40 faculty members, 450 JD students and 20-30 graduate students at the school at any given time.

**Length of Program**
- LLM – typical time to complete is 2 years
- JSD – typical time to complete is 3-4 years

**Specialized Programs**
- Marine and Environmental Law Program
- Law and Technology Institute
- Health Law Institute

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. A paper-based TOEFL score of at least 600 (or the equivalent score on a comparable test) is required of applicants whose native language is not English.

**Application Deadlines**
The application deadline for this program is January 31st.

**Contact Information**
902.494.1036
law.graduate.studies@dal.ca
law.dal.ca
Situated within the School of Health and Human Performance, the Leisure Studies program is perfectly positioned to provide students with inter-professional collaboration opportunities that emphasize the importance of leisure and its impact on health. The MA Leisure Studies program focuses on leisure across the life course, theoretical concepts related to leisure, and the delivery of leisure services in diverse contexts. Since leisure is a significant component in the promotion of social, physical, psychological, and spiritual health, students in this program are able to apply their skills in a variety of settings.

Length of Program
• MA – typical time to complete is 2 years

Areas of Study
• Leisure and lifestyles of social groups such as older adults, women, and persons with health problems or disabilities;
• Analysis of recreation administration (i.e., sport administration, municipal recreation administration, cultural administration) and marketing;
• Recreation and cultural diversity of leisure services and programs.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Please note this department requires all applicants to have a minimum 3.5 GPA (an average between a B+ and an A-).

Application Deadline
The application deadline for this program is January 15th.

Contact Information
902.494.1154
hahpgrad@dal.ca
hahp.healthprofessions.dal.ca
The Marine Affairs Program offers a professional education at the graduate level for ocean managers. The Master of Marine Management (MMM) degree is of interest to students with a strong academic record planning a career in marine affairs, managers employed in the public and private sectors with responsibilities in marine affairs, individuals aspiring to commence or strengthen their academic or teaching careers, and community organisers wishing to further their understanding of marine affairs in order to benefit their communities.

**Length of Program**
- MMM – typical time to complete is 1 year

**Subject Areas**
Coastal zone management, sea use planning, ecosystem based management, climate change adaptability, fisheries management, marine law and policy, maritime transport, development of non-living resources, protection and preservation of the coastal and marine environment, coastal tourism, marine enforcement and conflict management.

**Admission Requirements**
Applicants to the MMM must satisfy general requirements for admission to the Faculty of Graduate Studies.

**Application Deadline**
The application deadline for this program is January 31st.

**Contact Information**
902.494.3555
marine.affairs@dal.ca
marineaffairsprogram.dal.ca
Faculty of Engineering

MATERIALS ENGINEERING

Master of Engineering (MEng)
Master of Applied Science (MASc)
Doctor of Philosophy (PhD)

The Materials Engineering Program has a strong research record, with a mix of fundamental research coupled with work of direct commercial relevance conducted in collaboration with industry. The program offers opportunities for study in fields ranging from materials production, including extraction from ores and recycling, to the design, development, and processing of these materials.

Length of Program
- MEng – typical time to complete is 2 years
- MASc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Topics of Research
Topics of current research include powder metallurgy processing of light metals, intermetallics, and cermet materials, corrosion, electronic materials development, synthesis of intermetallic compounds, ceramic processes and properties, as well as composite materials synthesis.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Contact Information
902.494.4597
gsr@dal.ca
materials.engineering.dal.ca
The mathematics division offers programs leading to MSc and PhD degrees in the following areas: algebra, approximation theory, category theory, convex geometry, differential equations, functional analysis, graph theory, number theory, numerical analysis, operator theory, optimization, general relativity theory, stochastic modelling, and topology.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Computing Facilities**
The department operates a network of Sun workstations, PCs, and Xterminals. Standard mathematical software such as NAG, Maple, Matlab, Mathematica, S and SAS is available, as well as special-purpose applications software in a variety of areas.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.3214
chair@mscs.dal.ca
mathstat.dal.ca
Faculty of Engineering

MECHANICAL ENGINEERING

Master of Engineering (MEng)
Master of Applied Science (MASc)
Doctor of Philosophy (PhD)

Graduate studies in Mechanical Engineering at Dalhousie University are designed to help students develop an understanding of the fundamental principles of Mechanical Engineering through lecture, tutorial, and laboratory activities. Modern, well-instrumented laboratories in thermofluids, energy conversion, stress analysis, vibrations, and control systems provide experience in measurements and applications to ensure a thorough understanding and appreciation of the subject matter. The department consists of thirteen full-time faculty members, forty postgraduate students, and one hundred and twenty undergraduate students. Several research centres are affiliated with the Department.

Length of Program
- MEng – typical time to complete is 2 years
- MASc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Research Areas
Fluid Mechanics, solid mechanics, combustion & environment, energy and heat transfer, energy modelling, mechanical design, micro-machines/MEMS, manufacturing, grinding, control systems and robotics, finite element modeling of advanced materials for manufacturing processes.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Contact Information
902.494.3989
gsr@dal.ca
me.dal.ca
This program is designed for persons who will become clinical specialists, but who plan careers as clinician scientists. The program allows the MD graduate to concentrate primarily on thesis research in Medical Sciences and to bridge the gap between clinical and basic medical research. In addition, the program offers training in clinical research.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Program Requirements**
There will be a minimum requirement of one-half credit in the discipline most relevant to the research project. Additional courses may be required to provide the knowledge base required for the thesis research. In addition, regular contributions to, and attendance at, a Journal Club and a Seminar series, will be a requirement to ensure a firm grounding in experimental methods.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. All students must have an MD degree from an LCME accredited Medical School and candidates must be currently registered in a Canadian Royal College Accredited Residency Program, a Residency Program in the Canadian College of Family Physicians or hold positions as a clinical fellow at a Canadian teaching hospital.

**Contact Information**
902.494.1395
msgp@dal.ca
msgp.medicine.dal.ca
The Department of Microbiology and Immunology has a long-standing reputation for academic and research excellence, equipping its students and postdoctoral trainees to reach their goals in a wide range of work environments. The Department houses several internationally recognized and well funded research groups.

Length of Program
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Research Areas
- Virology
- Bacteriology
- Microbial Pathogenesis
- Microbial Genetics
- Molecular Genetics
- Cancer Biology
- Immunology

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies and in general should have taken courses in microbiology, immunology, cell biology, biochemistry, molecular genetics, and also possess some relevant research experience. A TOEFL score of at least 600 (or the equivalent score on a comparable test) is required is of applicants whose native language is not English. Please note this department requires all applicants to have at least a B+ average.

Contact Information
902.494.3562
MICIgrad@dal.ca
microbiology.medicine.dal.ca
Mineral Resource Engineering concentrates on the technical, environmental and economic aspects of the extraction and processing of the earth’s mineral resources. It has a strong industrial and research interest in underground and surface mining for coal, oil shales, metals, gold and industrial minerals, and in mineral processing. Studies in reservoir engineering, offshore drilling and production of oil and gas complement this program.

Length of Program
- MEng — typical time to complete is 2 years
- MASc — typical time to complete is 2 years
- PhD — typical time to complete is 3-4 years

Faculty Research
Mineral Resource Engineering faculty have strong research interests with ongoing projects in underground and surface mining, oil and gas, mining geology, mineral processing, and the development of innovative instruments and technologies in these fields.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Contact Information
902.494.3960
gsr@dal.ca
mining.engineering.dal.ca
Students in the MA in Musicology program will have the opportunity to investigate music's role and meaning in various social and historical contexts, through text-based analysis informed by cultural studies. This Department’s faculty members pursue research in genres ranging from medieval chant to contemporary experimental composition, canonic orchestral repertoire, film music, and diverse styles understood to be popular music. They foster a vibrant intellectual climate that encourages innovative approaches and non-traditional thinking about music as a social text.

Length of Program
- MA – typical time to complete is 2 years

Program Information
The MA is a thesis-based program, in which students take two required seminar classes and choose three other seminars before embarking on a thesis prospectus and then thesis research. Students in the program are eligible for Dalhousie graduate scholarships and teaching assistantships in the Department of Music.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Contact Information
902. 494.8517
music@dal.ca
music.dal.ca
Neuroscience is an interdisciplinary program offering MSc and PhD degrees. The program is run in conjunction with five basic science departments: Anatomy & Neurobiology, Biochemistry & Molecular Biology, Pharmacology, Physiology & Biophysics, and Psychology. The goals of the Neuroscience Program are to provide the opportunity for students to obtain a broad exposure to the field of Neuroscience in addition to specialized training in the student’s specific area of research.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Facilities**
Research laboratories are located in the Life Sciences Centre, the Tupper Medical Building and the Clinical Research Centre. The program is closely linked with the Institute for Neuroscience at Dalhousie, which also includes members of the Departments of Anaesthesiology, Medicine, Ophthalmology, Pathology, Pediatrics, Psychiatry, Surgery and Urology.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Applicants should have a minimum A- average in their last two years of study.

**Contact Information**
902.494.3417
Neuroscience.Institute@dal.ca
neuroscience.dal.ca
The Master of Nursing Program is a research-oriented program framed within a philosophy of primary health care that recognizes the unique strengths and contribution of individuals, families, and communities. The program is 36 credit hours divided into two phases. The PhD program prepares nurse scientists who will develop nursing practices that improve health outcomes generally or women’s health outcomes specifically. Normally the program requires a six-term residency.

Length of Program
- MN – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

MN Program Options
- A thesis is intended for those students seeking to conduct independent and/or collaborative research.
- A health policy practicum is intended for those students seeking to increase knowledge and skills in health care policy development, implementation or evaluation.
- A nurse practitioner option is intended for those students seeking preparation as an advanced nurse practitioner.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Application Deadline
The application deadline for this program is February 1st.

Contact Information
902.494.2397
nursing@dal.ca
nursing.dal.ca
Occupational therapists are university-educated health professionals who assist people to do the things they want to do everyday. When life is challenged by illness, injury, developmental delay, disadvantaging social conditions, or aging issues, occupational therapists are there to help. The focus is letting people fulfill their potential, preventing disabilities, and promoting health.

**Length of Program**
- MSc – typical time to complete is 2 years

**Degrees Offered**
- Master of Science (Occupational Therapy):
  This program is for entry into the profession. A Masters level degree is the national standard to enter Occupational Therapy in Canada.

- Master of Science (Occupational Therapy – Post-Professional):
  This program is an on-line distance program that provides qualified occupational therapists with the opportunity to advance their knowledge and skills so they can expand their traditional career or develop new career options.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Application Deadline**
The application deadline for the MSc (Occupational Therapy) program is January 31st, and February 28th for the MSc (Occupational Therapy – Post Professional).

**Contact Information**
902.494.6447
occupational.therapy@dal.ca
occupationaltherapy.dal.ca
Dalhousie’s Department of Oceanography is Canada’s premier location for oceanographic research and education. Their researchers study every aspect of the world’s oceans, from the velocity of the waves to the salinity of the water, the biology of the deep sea to the mud of the ocean floor. Their research has real-world results: from moving shipping lanes in the Bay of Fundy to protect endangered right whales, to collecting valuable data from the ocean that helps us to better understand climate change and predict the weather.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Facilities**
The department’s facilities include a large running seawater system with environmentally controlled rooms, high-pressure facilities for simulation of deep sea conditions, and large tanks for fish studies. Seagoing facilities are supplied by federal oceanographic ships. The department is equipped with the collecting gear, laboratory instrumentation and computers required for oceanographic research. Library facilities are centralized in a science library nearby.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.3558
graduate.ocean@dal.ca
oceanography.dal.ca
The graduate training program in oral and maxillofacial surgery is a six year program. It is a joint program leading to an MD/MSc in Oral and Maxillofacial Surgery. The program utilizes the facilities of the Queen Elizabeth II Health Sciences Centre, IWK—Grace Health Care Centre and Dalhousie University. An important part of the program is devoted to research, including an original research project leading to a Master’s thesis and defence.

**Length of Program**
- MD/MSc – typical time to complete is 6 years

**Training**
Extensive training is provided in surgical correction of dentofacial deformities, obstructive sleep apnea, cleft lip and palate, maxillofacial pathology and reconstruction, maxillofacial trauma, dental implants and other surgery as it pertains to the specialty of Oral and Maxillofacial Surgery.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. In addition, candidates must possess either a DDS or DMD and be eligible for student licensure in the Province of Nova Scotia.

**Application Deadline**
The application deadline for this program is August 31st of the year preceding commencement of the program.

**Contact Information**
902.494.1679
omfs.dentistry@dal.ca
gr.cal.dal.ca/ORAL.htm
Pathology, the study of the essential nature of disease, uses a wide variety of approaches to elucidate mechanisms responsible for disease. Because of its close academic and clinical ties with the QEII Health Sciences Centre and the Izaak Walton Killam Health Centre for Children, Women and Families which provide tertiary care for the entire Canadian Maritime region, the Dalhousie Pathology Department is able to offer an unsurpassed milieu in which to pursue experimental pathology.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Programs**
- Clinical and Environmental Chemistry
- Hematopathology
- Immunology
- Molecular Genetics
- Transplantation

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.2091
pathgrad@dal.ca
pathology.medicine.dal.ca
Dalhousie’s Periodontics program is designed to train clinicians for the specialty practice of Periodontics, using an evidence-based approach. The program involves a variety of clinical experiences and participation in a research project. The school puts emphasis on thoroughness of patient evaluation, accuracy in diagnosis and treatment planning, evidenced-based approaches to treatment.

**Length of Program**
- MSc – typical time to complete is 3 years

**Areas of Training**
Students will be trained to the level of proficiency in management of patients in need of treatment for a variety of periodontal diseases and mucogingival defects, treatment for Temporomandibular Joint Disorders (TMDs), as well as dental implant therapy and conscious sedation.

**Admission Requirements**
Candidate must have completed a minimum of an accredited four-year D.D.S. program and be eligible for student licensure in the Province of Nova Scotia. A minimum A- average required for the last two years of study. Students for whom English is not a first language must submit a TOEFL score above 600 (or the equivalent score on a comparable test). International students are required to submit a GRE score as well.

**Application Deadline**
The application deadline is October 1st of the preceding year.

**Contact Information**
902.494.1912
denadmin@dal.ca
dentistry.dal.ca/prospective/GradPerio
Petroleum Engineering at Dalhousie is viewed as a specialized professional discipline focused on the fundamental knowledge and skills associated with the production, transport and processing of petroleum products. The Faculty of Engineering at Dalhousie University offers challenging new education and research programs focused on Atlantic Canada’s oil and gas industry. These programs are supported by expertise, experience and resources from all of the Faculty’s departments. They reflect a broad vision of “oil and gas engineering” as an integrated endeavour based upon concepts, principles and techniques from all professional engineering disciplines.

Length of Program
- MEng – typical time to complete is 2 years
- MASc – typical time to complete is 2 years

Core Courses
Reservoir engineering, enhanced oil and gas recovery, natural gas reservoirs, drilling engineering, production technology, petroleum geoscience, production technology, and directed studies.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

Contact Information
902.494.4597
gsr@dal.ca
gr.cal.dal.ca/PETR.htm
The goal of this program is to educate students to become high quality, research-based scientists who can contribute to drug discovery and development in academia and the pharmaceutical industry. Please note that this program is research-intensive and is only open to students who have completed a Bachelor of Science degree.

Length of Program
• MSc – typical time to complete is 2 years

Learning Outcomes
• Competence in performing general laboratory techniques as well as techniques specific to chosen area of research,
• Development and execution of a research project,
• Development of scientific writing skills,
• Development of oral presentation skills,
• Development of clear, succinct communication skills,
• Development of clinical thinking skills required of a researcher.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Applicants whose native language is not English must demonstrate a minimum TOEFL score of 600 (or the equivalent score on a comparable test). Please note this department requires all applicants to have a minimum B+ average.

Contact Information
902.494.3832
pharmacy@dal.ca
pharmacy.dal.ca
The graduate programs in our department are designed to provide in-depth experience in laboratory research in experimental pharmacology, and provide a broad knowledge of academic pharmacology. The PhD program in particular is designed to generate competent scientists capable of initiating and maintaining independent research programs in either academic or industrial settings.

Length of Program
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Research Focus
At Dalhousie University, faculty members work with approximately 50 graduate students, postdoctoral fellows and staff on a variety of research objectives that include cancer, cardiovascular and muscle diseases, Parkinson’s disease, Huntington’s disease, epilepsy, and drug abuse. Collaborative research projects with faculty in clinical departments such as Neurology, Psychiatry, Urology, Ophthalmology, Anaesthesia and Medicine enhance our research and training environment.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. A paper-based TOEFL score of at least 600 (or the equivalent score on a comparable test) is required of applicants whose native language is not English. Please note this department requires all applicants to have a minimum average of A-.

Contact Information
902.494.1384
pharmacology@dal.ca
pharmacology.medicine.dal.ca
This Department’s graduate programs are small and selective. They typically have eight to ten MA students and six to eight PhD students. Graduate students receive individual attention, and courses of study can be developed to suit individual interests. The atmosphere is unusually friendly, stimulating and supportive. There is a great deal of faculty/student interaction, not only in classes and weekly colloquia, but also informally.

**Length of Program**
- MA – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Areas**
They offer opportunity for study in a wide variety of fields in contemporary philosophy, including: ethics & metaethics, bioethics, epistemology, feminist theory, philosophy of mind and language, logic, philosophy of biology, and also support studies in several periods in the history of philosophy.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Application Deadline**
The deadline to apply to this department is January 31st.

**Contact Information**
902.494.3810
dalphil@dal.ca
philosophy.dal.ca
The Department prides itself on providing its students with cutting-edge, world class research opportunities in a collegial environment. Students have access to a wide range of state-of-the-art equipment, including materials growth and characterization facilities, high power computer clusters, atmospheric observational facilities and medical imaging facilities. Their friendly faculty and staff provide graduate students with an environment where ideas and research facilities are shared between groups. They offer physics, atmospheric science and graduate seminars with a wide variety of speakers to compliment the total learning experience at the school.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Areas**
The Department offers exciting opportunities in four major areas of research of great importance in Canada: novel materials, atmospheric science, bio/medical physics and applied physics.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. It is recommended that all international students provide the department with an official copy of the advanced Graduate Record Examination (GRE) in Physics.

**Contact Information**
902.494.2311
gradc@fizz.phys.dal.ca
physics.dal.ca
The Physics and Atmospheric Science Program at Dalhousie University specializes in research dedicated to improving our understanding of the physical and chemical components of the climate system. They are involved in the major international field programs that further these interests, and with the models of global and regional climates that implement and test our improved understanding of these processes.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Research Areas**
Cloud physics, aerosol physics and chemistry, dynamics, radiation, atmospheric chemistry, LIDAR studies, middle atmosphere dynamics and climate modelling.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.6835  
gradc@fizz.phys.dal.ca  
atm.dal.ca
The Department of Physiology and Biophysics is located in the Sir Charles Tupper Medical Building, which houses the basic science departments of the Faculty of Medicine. The research interests of the faculty encompass a wide range of expertise in physiology, biophysics, biochemistry, cell biology and molecular biology. The faculty have many collaborative projects in basic science and clinical departments throughout the University.

Length of Program
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Research Opportunities
Cardiovascular Physiology and Biophysics, Electrophysiology and Biophysics, Endocrinology/Neuroendocrinology, Molecular/Genetic Physiology, Pathophysiology, and Respiratory Physiology.

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. In addition, foreign applicants must submit the results of the Graduate Record Examination (GRE). A paper-based TOEFL score of at least 600 (or the equivalent score on a comparable test) is required of applicants whose native language is not English. Please note this department requires all applicants to have a minimum GPA of 3.5 (between B+ and A-).

Contact Information
902.494.3517
graduate.physiology@dal.ca
www.physiology.dal.ca
Physiotherapists understand how the body moves, what keeps it from moving well and how to restore mobility. Working as part of a health-care team or independently, physiotherapists strive to improve the health and mobility of their patients. They can also advise on ways to prevent health problems from occurring before they arise.

**Length of Program**
- MSc – typical time to complete is 2 years

**Degrees Offered**
Master of Science (Physiotherapy):
The program prepares students with the education and clinical experience necessary to take the Physiotherapy Competency Examination and to subsequently apply for a licence to practice physiotherapy.

Master of Science (Rehabilitation Research - Physiotherapy):
This program aims to improve the evidence that we use in clinical practice. In this advanced, thesis-based MSc, students enrich their research knowledge and gain valuable teaching experience.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Application Deadline**
The deadline to apply to this program is January 31st.

**Contact Information**
902.494.1947
physiotherapy@dal.ca
physiotherapy.dal.ca
The School of Planning provides professional planning education at the graduate level. They are one of two constituent schools in the Faculty of Architecture and Planning. Their strength lies in understanding urban and environmental systems, and the relationships between them. The faculty are committed to planning and designing good communities in life-sustaining environments. The School offers two programs: the MPlan, and the MPS, a post-professional degree that provides professional planners with an opportunity to pursue research at the graduate level.

**Length of Program**
- MPlan – typical time to complete is 2 years
- MPS – typical time to complete is 5 years

**Curriculum Emphasis**
The curriculum of the School emphasizes:
- Specialized knowledge of theory and practice of planning processes;
- A sound appreciation of the environmental, social, and economic processes that shape the form and character of communities;
- The active contribution of students in confronting and resolving contemporary planning problems in local communities; and
- The development of personal capabilities suited to the leadership roles that planners assume

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Admission Deadline**
This program strongly suggests that applicants apply before February 1st.

**Contact Information**
902.494.3260  
plan.office@dal.ca  
ar{}c{}h{}i{}t{}e{}c{}t{}u{}r{}e{}a{}n{}d{}p{}l{}a{}n{}n{}i{}n{}g.dal.ca/planning
The department of Political Science offers a high quality graduate program in a collegial, small department. There is extensive contact between professors and students. There is also a congenial social environment, enhanced by the excellent entertainment and environmental amenities of the City of Halifax. Students may also work in interdisciplinary programs, such as International Development Studies. The Department is complemented by the Centre for Foreign Policy Studies, which is active in research, publishing, policy advising, and teaching on various aspects of foreign policy, defence and security studies, and international relations.

**Length of Program**
- MA – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Subject Areas**
- Canadian Government and Politics
- Comparative Politics
- Political Theory
- International Relations and Foreign Policy

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Applicants whose native language is not English must demonstrate a minimum TOEFL score of 600 (or the equivalent score on a comparable test). Please note this department requires all applicants to have a minimum A- average.

**Contact Information**
902.494.2396
psadmin@dal.ca
politicalscience.dal.ca
Faculties of Dentistry and Engineering

PROSTHODONTICS*

Master of Science (MSc)
Master of Applied Science/Diploma (MASc/Diploma)

The primary objective of both programs is to produce clinician-researchers who will be prepared for an academic career in the related fields of Prosthodontics and Biomedical Engineering. As clinicians, these graduates will provide an important link between clinical treatment and basic science research. The program will be particularly attractive to students who are interested in an academic career in Prosthodontics. Students will have the opportunity to work in dedicated space in the Faculty of Dentistry clinics and dental laboratories, as well as the fully equipped biomaterials research and the new tissue engineering facilities. All students in the program will be given the opportunity to teach in the undergraduate DDS program.

Length of Program
• MSc – typical time to complete is 2 years
• MASc/Diploma – typical time to complete is 2 years

Degree Options
Two graduate programs are offered in Prosthodontics. Students can opt for either a Master of Science in Prosthodontics from the Faculty of Dentistry or a combined Diploma in Prosthodontics and Master of Applied Science in Biomedical Engineering.

Admission Requirements
*Program suspended for 2011/12 admission year.

Contact Information
902.494.1654
richard.price@dal.ca
g.cal.dal.ca/PROS.htm
Psychology is the study of the organization of behaviour. As a science, Psychology studies human and animal behaviour under natural and controlled conditions using both observational and experimental approaches. As a profession, psychology promotes human welfare through personal counselling and the clinical treatment of behaviour problems.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Programs**
- MSc or PhD in (experimental) Psychology
- MSc or PhD in Psychology/Neuroscience
- PhD in Clinical Psychology

**Research Areas**
Research areas in which the department has considerable strength include: animal learning and behaviour, clinical, cognitive and cognitive neuroscience, developmental, health psychology, neuropsychology, neuroscience, perception, and physiological psychology.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Please note this department requires all applicants to have a minimum B+ average.

**Application Deadline**
Recommended deadline is January 1st, but will continue to accept applications until program is full.

**Contact Information**
902.494.3839
gradprog@dal.ca
psychology.dal.ca
The graduate programs of the School are designed to provide the professional education essential to a career in modern public service. They are offered to students who either are preparing for initial employment or are returning to university with work experience. Their unique position within the Faculty of Management connects them to the School of Business Administration, the School of Information Management and the School for Resource and Environmental Studies, providing students with interdisciplinary learning opportunities and course offerings, with a foundation of values-based management.

**Length of Program**
- MPA – typical time to complete is 2 years

**Internship Program**
The internship provides for formal integration of practical public service experience with academic studies in the MPA program. It involves work by students for employers in the public sector on projects deemed to be significant by the employer and appropriate to the skills of career-oriented graduate students. The terms of reference are established through consultation between the student, the participating employer, and the School.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Contact Information**
902.494.3742
dalmfa@dal.ca
spa.management.dal.ca
The Master of Social Work program offers in-depth academic scholarship both in course content and in field placements. The program embraces a critical and anti-oppressive social justice approach to social work practice that includes a strong emphasis upon theoretical perspectives, social policy, professional values, research skills, practice methods and critical analysis. Elective courses focus on skill development in an area of special interest to the student. Students may also choose a thesis option for their MSW. The Department offers a distance-education option for this program.

**Length of Program**
- MSW – typical time to complete is 2 years

**Area of Focus**
Theoretical perspectives, social policy, professional values, research skills, practice methods and critical analysis. Elective courses focus on skill development in an area of special interest to the student.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

**Application Deadline**
The application deadline for this program is December 1st.

**Contact Information**
902.494.1343
social.work@dal.ca
socialwork.dal.ca
Faculty of Arts and Social Sciences

SOCIOLoGY AND SOCIAL ANTHROPOLOGY

Master of Arts (MA)
Doctor of Philosophy (PhD)

The Department of Sociology and Social Anthropology offers a unique program of research and teaching that is interdisciplinary, comparative, and critically engaged. They draw on the strengths of two disciplines—sociology and social anthropology—by recognizing both their distinct intellectual and methodological heritages, while emphasizing how they complement each other.

Length of Program
- MA – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

Departmental Concentrations
- Social Justice and Inequality
- Economy, Work, and Development
- Critical Health Studies

Admission Requirements
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Candidates will normally be expected to hold a four-year degree in Sociology or Social Anthropology with at least an A- average.

Application Deadline
The deadline to apply to this program is January 15th.

Contact Information
902.494.6593
sosagrad@dal.ca
sociologyandsocialanthropology.dal.ca
The department offers programs leading to the degrees of MSc and PhD in the following areas: statistical inference, robust statistics, data mining, bioinformatics, data analysis, multivariate analysis, linear and nonlinear regression, time series analysis, statistical genetics, environmental statistics, and information theory.

**Length of Program**
- MSc – typical time to complete is 2 years
- PhD – typical time to complete is 3-4 years

**Computing Facilities**
The department operates a network of Sun servers, workstations, a Unix cluster, and PCs. Standard statistical and mathematical software such as Splus, SAS, BMDP, Minitab, NAG, IMSL, Matlab and Maple are available, as well as special-purpose applications software in a variety of areas. Graduate student offices are all equipped with computers.

**Admission Requirements**
Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies. Graduate Record Examination (GRE) Aptitude and Advanced Mathematics scores are recommended for all applicants for graduate studies whose undergraduate work has been completed outside of Canada.

**Contact Information**
902.494.2572
chair@mscs.dal.ca
mathstat.dal.ca
The Centre for Advanced Management Education (CFAME) delivers sector-specific graduate programs for Dalhousie’s Faculty of Management. These degree programs are designed for working professionals and offered in a blended delivery format that minimizes in-classroom time and maximizes on-line learning. The context for each degree program is very specific in terms of the sector and the audience it will serve; however, at the core of each learning experience is enhanced leadership skills.

**Master of Business Administration — Finance (MBA FS)**
This program is specifically tailored to the financial services sector of the business world. There are several streams designed specifically for various banking and insurance institutions. In partnership with these well-established banking and insurance educational institutions we provide you with excellent learning potential.

Typical time to complete: 3-4 years

**Master of Information Management (MIM)**
The Dalhousie MIM Degree helps mid-career professionals in any sector enhance their information management skills by furthering their ability to exercise leadership and make sound decisions, honing their analytical skills and sharpening their judgement.

Typical time to complete: 3-4 years

**Master of Public Administration — Management (MPA M)**
The MPA (M) is a unique program. Its highly acclaimed blended learning model allows you to earn your graduate degree and advance your career without leaving your current position. Many of the Faculty teaching on the program bring a combination of advanced knowledge and high level, hands-on experience gained through their years working as high level government officials.

Typical time to complete: 4-5 years.

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