



Canadian Emergency Medicine Training: Enhanced Competency Directory

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A Few Disclaimers:

This resource is not intended to be used as a final source for application deadlines, program information, salaries, application details, or any other sensitive piece of information. It is meant to be used as a guide to make the search for enhanced competency opportunities more accessible. It is meant to serve as a starting point for research into programs you are interested in. Please contact programs directly for any time sensitive and important details.

Also, please note that this directory was compiled in April 2017 and is subject to change.

Every effort was made to ensure accuracy of the information presented.

There may be programs that were missed by this directory and new enhanced competencies are being designed by residents each year. We will endeavor to keep this directory up to date with every edition update.



Introduction

Welcome to the first edition of the Canadian Emergency Medicine Enhanced Competency Directory! This directory is the culmination of the hard work of many individuals through social media, chief residents nationwide, and a national working group that was put together through the Canadian Association of Emergency Physicians Resident Section.

The five-year residency in emergency medicine through the Royal College of Physicians of Canada mandates "...a minimum of six months devoted to achieving particular expertise either in a scholarly activity or a clinical area, pertinent to the practice of the specialty of Emergency Medicine [1]." In addition, many family medicine graduates pursue extra training in Emergency Medicine through a PGY-3 program and then will go on to develop a practice that includes sports medicine, research, or medical education to name a few.

Throughout residency, you may have found yourself pondering what it is that you might want to do that could provide you with a niche within emergency medicine. There are many factors to consider, including whether your ideal enhanced competency is clinical, scholarly, or both; whether you prefer studying locally or by distance; and what specific subject area interests you most. Thoma and colleagues published an excellent article highlighting the process of finding your niche, from contemplation through application and completion [2].

We hope that this dynamic directory will serve as a list of opportunities for EM residents as was first envisioned in a 2011 Canadian Journal of Emergency Medicine paper detailing the enhanced competency pursuits of four Royal College EM residents [3].

If you are interested in opportunities in the United States, please visit the Emergency Medicine Resident Association fellowship directory [4].



Definitions

Enhanced Competency - A scholarly activity or clinical area pertinent to the practice of emergency medicine that is pursued for at least 6 months as part of emergency medicine residency training [1]. Another term used to describe this is area-of-interest. In this document, we have decided to use the term enhanced competency as it covers all pursuits toward a niche within emergency medicine during residency.

Fellowship - Any Royal College certified training program that may be during or after emergency medicine residency training. At the present time, depending on your province, there are limited opportunities for fellowship pursuit during residency where year one of a fellowship could be completed in PGY-4 and year two as a PGY-6. Traditionally, fellowships are completed post-graduation from residency.

Methods

The directory began as an Excel spreadsheet containing opportunities that had been pursued by emergency medicine residents as outlined by chief residents through a national survey. The list was then published on CanadiEM during which time a social media call-out was placed to the Canadian emergency medicine community at large to submit, through Google Forms other enhanced competencies that were not on the Excel spreadsheet. The CanadiEM publication also served as a callout for applications for residents to join the national working group on enhanced competencies in emergency medicine. In the end, a working group of six individuals was put together and each person was responsible for collecting information for enhanced competency opportunities for 2-3 universities. Multiple contact attempts were made through program directors, program administrators, and chief residents from each enhanced competency. Enhanced competencies were located based on the Excel spreadsheet, the Google Forms submissions, and from searching the internet and Canadian Residency Matching Service (CaRMS) website. Program contacts were then asked to fill out an Excel template with

relevant information for their program. If, after multiple attempts, no one could be contacted, information was input from the program website or from the CaRMS website. Data from each Excel file was then extracted and collated into Microsoft Word at which point the entire document was sent out to all programs that were initially contacted for another final review. The document was then submitted to the CAEP head office for formatting into the final product you currently have access to.

Future Updates

This directory is intended to be dynamic and as such we need your help. If you complete and/or design an enhanced competency that is not listed in this document, or if you notice updated contacts or details, please let us know: defibriletter@caep.ca



Acronyms

ICU	Intensive Care Unit
ED	Emergency Department
EM	Emergency Medicine
PGY	Post-graduate year
FRCP	Fellow of the Royal College of Physicians
CCFP(EM) i.e. +1	Canadian College of Family Physicians (Emergency Medicine)
RCPSC	Royal College of Physicians and Surgeons of Canada
UBC	University of British Columbia
BC	British Columbia
EMS	Emergency Medical Services
TTL	Trauma Team Leader

Table of Contents

Critical Care	8
Clinical Epidemiology/Research	27
Medical Education	36
Emergency Medical Services (EMS)	48
Disaster Medicine	68
Geriatric Medicine	72
Palliative Care Medicine	75
Pediatric Emergency Medicine	82
Resuscitation	109
Simulation	115
Sports and Exercise Medicine	124
Trauma	135
Toxicology	145
Ultrasound	150
Aboriginal Health	168
Quality Improvement	171
International Emergency Medicine	174
Clinical Epidemiology/ Public Health	178
Business, Law, and Technology	182
Arts and Humanities	189
Index by School	194
References	196

CRITICAL CARE

University of Alberta Critical Care



The program spans two main academic teaching hospitals. Trainees will gain experience managing the full spectrum of critical illness in general systems ICUs. Three additional months of subspecialty training are dedicated to Cardiovascular ICU, Neurosciences ICU, and community ICU. Edmonton is also the largest transplant center in western Canada, offering a unique opportunity to be involved in the care of the critically ill transplant patient. In addition, the University of Alberta is a recognized international leader in critical care nephrology, affording trainees unmatched exposure in this field including intensivist prescription of renal replacement therapy (both continuous renal replacement therapy and intermittent hemodialysis) in the critically ill.

Curriculum

This residency program is for 2 years. The mandatory thirteen blocks of core critical care medicine are divided into eight-week blocks at the University of Alberta and Royal Alexandra Hospital sites. Residents are scheduled for 8 home-call shifts each 28-day block while on core ICU rotations. Up to three blocks can be allocated to completing the mandatory research or quality improvement project. Additional research time is available for residents wishing to pursue research careers. Other elective options include anesthesia, bronchoscopy, pulmonary, nephrology, echocardiography (level 1 certification), transport medicine, general and/or transplant infectious diseases, acute care surgery, trauma, coronary care unit (CCU), toxicology, palliative care, community/regional ICU (e.g. Grande Prairie, Red Deer) and out-of-province electives. Residents are not expected to do any call while on elective rotations – leaving time for reading and exam preparation.



Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o CARMS deadline for medicine fellowship match
- What are the prerequisites?
 - o Please visit the CARMS website for more details.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many fellows are admitted per year?
 - o 3
- What will my salary be?
 - o University of Alberta fellow standard salary

Contact details:

Program Director: Dr. Wendy Sligl (wsligl@ualberta.ca)

Program admin: Hazel Robinson (ccmedu@ualberta.ca)

Website:

<https://www.ualberta.ca/critical-care/>



University of Toronto Critical Care



The trainee will obtain experience in a variety of intensive care units and gain experience in the management of patients with medical, surgical, neurological illnesses, transplantation and trauma. The 2-year curriculum includes rotations in University and Community Hospital ICUs, 6 blocks of scholarly activity, and elective rotations.

This includes didactic and interactive series of academic half-days, including a summer Orientation Program (July and August), Critical Care Expert lecture series, Simulation sessions, Critical Care Communicator simulation days, Critical Care Advocate medical ethics and law series, Critical Care Scholar research methodology course and journal club, Leadership and Management Course, Clinical Research in Progress rounds, Extra-corporeal life support workshop, Critical Care Ultrasound Advanced training sessions, and the annual Art Slutsky Academic Day.

Curriculum

Primary Training Sites

Toronto General Hospital, Toronto Western Hospital, Mount Sinai Hospital, St. Michael's Hospital

Sunnybrook Health Sciences Centre.

Community sites include:

St. Joseph's Health Sciences Centre, Toronto East General Hospital, North York General Hospital

Trillium Health Partners – Credit Valley or Mississauga, Scarborough General Hospital.



Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o CARMs deadline for medicine fellowship match
- What are the prerequisites?
 - o Royal College Certification in Anesthesiology, Cardiac Surgery, Emergency Medicine, General Surgery, or Internal Medicine, or enrolment in a Royal College approved training program in one of these areas (see requirements for these qualifications).
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many fellows are admitted per year?
 - o 6
- What will my salary be?
 - o University of Toronto fellow standard salary
- Will I have the ability to moonlight?
 - o Yes, if candidate has a general license

Contact details:

Program Director: Dr. Andrew Steel (andrew.steel@uhn.ca)

Program Admin: Ms. Stephanie Nardella (stephanie.nardella@uhn.ca)



Website:

<http://www.criticalcare.utoronto.ca>



McMaster University Critical Care



The Adult Critical Care Medicine Residency Program at McMaster University is a two-year program. Applicants must have base specialty training from Internal Medicine, General Surgery, Emergency Medicine, Anesthesia, or Cardiac Surgery. The Program, while utilizing the regional resources of both the University as well as the affiliated teaching hospitals, is centrally coordinated in a multidisciplinary fashion thus reflecting the cross-specialty horizontal nature of Critical Care Medicine in Canada.

In addition to the clinical ICU experience, the academic side of the program affords varied and full opportunities to develop and perfect teaching skills as well as to expand and deepen one's appreciation and understanding of the field of critical care. The educational curriculum includes academic half-day seminars, journal clubs, regional rounds, as well as other sessions which all round out a full academic experience.

Curriculum

At least 16 Blocks of the Program must be spent on rotations in the ICU. The other 10 Blocks may be spent on clinical rotations relevant to critical care training, research relevant to the educational objectives for critical care training or further rotations in ICU.

The mandatory ICU rotations provide the trainee with a broad experience caring for general medical and surgical patients, as well as many trauma, neurosurgical and cardiovascular patients. Experience is also available with pediatric critical care as well as burn patients. Included in the mandatory rotations, each trainee will complete rotations on a Rapid Response Team



at two hospitals. The remaining period of training is available for elective rotations that will enhance/strengthen the trainee's skill set.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - Yes
- What are the deadlines for application to this fellowship?
 - See CaRMS website as this fellowship requires a CaRMS match.
- What are the prerequisites?
 - All residents in Critical Care must be enrolled in an approved residency-training program. This includes, but is not limited to those residents enrolled in Anesthesiology, General Surgery, Cardiac Surgery, Emergency Medicine and Internal Medicine.
- Is this enhanced competency available to CCFP(EM) graduates?
 - No
- How many residents are admitted per year?
 - 3 per year
- Are there any recent graduates I can contact for further information?
 - Available upon request
- What will my salary be?
 - Salary as per PGY level
- Will I have the ability to moonlight?
 - Yes

Contact details:

Program Director: Dr. Timothy Karachi (karachi@mcmaster.ca)

Program Administrator: Sarah Richardson (srichar@mcmaster.ca)

Website:

https://fhs.mcmaster.ca/anesthesiaeducation/critical_care_program.html



University of Western Ontario Critical Care



Our training program has a long history in education, research, and leadership in Critical Care for over 30 years. It is an accredited subspecialty program of the Royal College of Physicians and Surgeons of Canada (RCPSC) and two years in duration. All residents rotating through core ICU blocks have a protected "Scholar Week" enabling them to foster their growth in scholarship including teaching, research and life-long learning skills.

Curriculum

Residents gain experience in leading the Critical Care Outreach Teams (CCOT). We believe in the richness of multiple backgrounds of both our faculty and our trainees and therefore have always successfully been able to train "overlap" or "combined" trainees with other specialties. Moreover, availability of resource base for research in multiple facets of medicine including medical education, clinical trials, patient safety, and quality improvement along with bench research. Excellent ultrasound curriculum with dedicated ultrasound course and learning program. Strong neurocritical training with bedside continuous EEG at every bedside and support for learning these skills.

Within Critical Care, research groups exist in the areas of vascular biology, sepsis, neurocritical care, mechanical ventilation, medical education and applied health services research. All residents have the opportunity to learn about the broad spectrum of research and participate in a scholarly project from quality improvement projects to case reports to clinical or bench research. Each resident chooses a mentor to oversee his/her scholarly project(s).



Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - Yes
- What are the deadlines for application to this fellowship?
 - See CaRMS website as this fellowship requires a CaRMS match.
- What are the prerequisites?
 - Entry occurs after three years in a primary discipline, i.e., Anesthesia, Internal Medicine, Emergency Medicine, Cardiac Surgery, or General Surgery, and its certification is a prerequisite for RCPSC 'Certificate of Special Competence' in Critical Care Medicine.
- Is this enhanced competency available to CCFP(EM) graduates?
 - No
- Are there any recent graduates I can contact for further information?
- What will my salary be?
 - Salary as per PGY level for Ontario (see CaRMS website for salaries)

Contact details:

Program Director: Dr. Mithu Sen (mithu.sen@lhsc.on.ca)

Program Administrator: Corey Hillard (corey.hillard@lhsc.on.ca)

Website:

<http://www.schulich.uwo.ca/criticalcare/>



University of Calgary Critical Care



The program is based primarily in 3 major Calgary tertiary hospitals (Foothills Medical Centre, Peter Lougheed Centre, and Rockyview General Hospital) and received full accreditation by the Royal College in 2015. Our 3 regional hospitals offer state-of-the-art intensive care units. Two of our critical care units recently underwent major renovations and reconstruction. The Peter Lougheed site was renovated in 2009 to accommodate up to 22 patients. In 2011, the new McCaig ICU at the Foothills Medical Centre was completed. This new unit accommodates 36 patients and has been recognized for its award-winning design. Additionally, a new South Health Hospital opened its ICU in the spring of 2013. All critical care units are run and staffed by fully trained intensivists from a variety of specialist backgrounds. Total admissions of approximately 3700 ICU patients per year in Calgary provide a wide spectrum of disease processes [medical, surgical (including cardiovascular), trauma, neurosurgical, burn and transplant (renal and bone marrow)].

Curriculum

This is a two-year program. General Critical Care Medicine: a minimum of 13 blocks spent on critical care rotations (including CVICU and our rural rotation to Red Deer ICU) with additional training in core selective and elective disciplines relevant to Critical Care Medicine for the remaining blocks of the two-year program. Opportunities for training are individualized and flexible including rotations in medicine and surgical subspecialties, cardiovascular anesthesia, toxicology, research, echocardiography, diagnostic imaging, transport medicine (STARS) and transplant medicine. A pediatric ICU rotation is also available.

An academic program devoted to the development of research skills, with attainment of an advanced degree is available to residents who



demonstrate an interest and proficiency. A Masters or PhD in Medical Science (Critical Care), Clinical Epidemiology or Health Research is offered by the University of Calgary and can be combined with the Critical Care Medicine residency program as a research fellowship. The Department also supports applications to the University of Calgary Clinical Investigator Program.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o CARMS Deadline
- What are the prerequisites?
 - o A high weighting will be given to academic excellence. Selection will be based on a review of all documents and interview results. Selection of candidates into the Trauma / Critical Care Medicine stream will be based on a review of all documents and interview results by representatives from the departments of Critical Care Medicine and Trauma Surgery. Candidates applying to the Trauma / Critical Care Medicine stream must have successfully completed residency training in a General Surgery program that is accredited by the Royal College of Surgeons of Canada or the ACGME.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many fellows are admitted per year?
 - o 4
- What will my salary be?

- o Standard salary for Alberta post graduate year level

Contact details:

Program Director: Dr. Jonathan Gaudet

Program Admin: Thelma Bartolome
(thelma.bartolome@albertahealthservices.ca)

Website:

<http://cumming.ucalgary.ca/pgme/programs/residency-training-programs/critical-care-medicine>

University of Manitoba Critical Care



UNIVERSITY
OF MANITOBA

Critical Care residents are trained in a unique Critical Care environment that exhibits inter-facility coordination, managerial role discipline and collegial communication directed towards the goal of providing maximum patient access regardless of resource limitation. Critical Care residents work in an environment where all Intensivists in the region collaborate to accept and share responsibility for all patients referred to Critical Care in the province of Manitoba and beyond including Nunavut, northwestern Ontario and occasionally eastern Saskatchewan. The teaching hospital units are the only tertiary care units for over 1,000,000 people in this area. All tertiary units are staffed by full time trained Critical Care academic physicians who are truly multidisciplinary (Medicine, Anesthesia, Surgery, Emergency, and Cardiac Surgery). The training program has a tradition extending almost 40 years and has had full Royal College approval since 1989. The program was recently reviewed and accredited by the Royal College. We are confident that trainees are exposed to adequate numbers and complexity of critically ill patients during residency.

Curriculum

12 months of core critical care are done on-site in our institution. Selectives and electives may be considered off-site if agreed upon by the Residency Program Committee. Ultrasound modules online via CAE are offered to all ICU fellows with the expectation of completion. In addition to the 12 months of critical care, 6 months of selectives are completed and include Cardiac Anesthesia, Bronchoscopy and Echocardiography. Additional selectives and training are at the request of the trainee. During ICU Rotations, residents are expected to do 5 calls in a 28-day period (two weekend days and three weekdays). Call above this is remunerated. When not on ICU rotations, residents are not expected to do call in ICU although they may choose to, for which they will be remunerated.



Residents in the program have the opportunity to be part of the Residency Program Committee. In addition, they will be part of a Quality Improvement initiative during their training. Researchers in the section are always available to mentor trainees in research projects. In addition, many fellows take part in an optional Masters level course on Meta-Analysis taught by an intensive care clinician scientist.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o See CaRMS website as this fellowship requires a CaRMS match.
- What are the prerequisites?
 - o A minimum of three years of base specialty training before applying to Critical Care. At present base specialty training can be in: Internal Medicine; General Surgery, Cardiac Surgery, Anesthesia; or Emergency Medicine.
 - o All candidates must have completed at LEAST two four-week rotations in a tertiary care critical care unit during their base specialty training.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many residents are admitted per year?
 - o Variable
- What will my salary be?
 - o Salary as per PGY level for Manitoba (see CaRMS website for salaries)

- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director: Dr. Faisal Siddiqui (fsiddiqui@exchange.hsc.mb.ca)

Program Administrator: Ms. Holly Thibert (hthibert@hsc.mb.ca)

Website:

http://www.umanitoba.ca/faculties/health_sciences/medicine/units/intmed/critical_care/Educational.html

University of British Columbia Critical Care



The program is structured to provide trainees with both an outstanding clinical and research environment in which to learn. In what we feel is the best interest of our trainees, we have moved to a blended program, whereby the clinical work is spread over the entire two years, and the research component is adjusted to meet the career goals of the individual trainee.

Curriculum

Each trainee will complete thirteen months of adult critical care medicine, shared between the three participating teaching hospitals (Vancouver General Hospital, St Paul's Hospital & Royal Columbian Hospital), although we may move to include a two month 'community hospital rotation' in the coming year. Other core rotations include a month or two months of cardiac critical care (post-cardiac surgical ICU and coronary care) in year 2.

Trainees are identified by their career goals and interests and mentored into one of three tracks:

1. Those interested in ultimately working in a community ICU will be encouraged to use elective time to broaden their clinical skill, and learn administrative skills.
2. In year 2, a research block allows the trainee to complete the project. Individuals choosing this track are required to complete at least one of the following: an abstract, poster, paper, or present at a meeting or "resident's research day". Individuals hoping for a more in depth research experience will be encouraged to consider enrolling in the Clinical Investigators Program.
3. The third possible track is for individuals interested in an academic



career related to education. These individuals will again be given a one-month rotation in their first year in which to identify a supervisor, and project. Again, they will be expected to do background reading, outline a project with goals suitable to the mentor and Training Committee.

All residents will also be required to complete a Quality Improvement/Quality Assurance project during their two years of training. Projects and mentors will be identified in the first year of training.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o See CaRMS website as this fellowship requires a CaRMS match.
- What are the prerequisites?
 - o Note: this is not an enhanced competency to be started in PGY-4. This is a full fellowship program that requires completion of a PGY-6 and PGY-7 and as such may only be applied for in the PGY-5 year of a Royal College emergency medicine program.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many residents are admitted per year?
 - o 2
- What will my salary be?

- o Salary as per PGY level for British Columbia (see CaRMS website for salaries)

Contact details:

Program Director: Dr. Gord Finlayson (Gordon.Finlayson@vch.ca)

Program Administrator: Ana Palomino (Ana.Palomino@vch.ca)

Website:

<http://www.ubccriticalcaremedicine.ca/adult.php>

CLINICAL EPIDEMIOLOGY / RESEARCH

University of Toronto Clinical Epidemiology



The Clinical Epidemiology and Health Care Research (Clin-Epi) program at the Institute for Health Policy, Management and Evaluation (IHPME) offers a master's program with two streams available: course-based or thesis-based. There is also an option for a PhD. The Clin-Epi program is targeted towards health care professionals and is designed to train experts in epidemiology so they can conduct their own programs of research. As such, most of your fellow classmates are residents/fellows/staff in medicine.

Curriculum

The first year of the two-year program is heavily course based. Classes and tutorials are weekly, the number of hours of class are based on the courses you are taking. For the thesis-based masters, you would defend a thesis proposal in your first year. The second year of the program is completing your research, writing your thesis and papers, as well as defending your thesis. Thesis-based masters: 6 courses and thesis. Course-based masters: 10 courses. The service requirements are 32 emergency medicine shifts per year.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes, if enrolled in the Clinician Investigator Program.
- What are the deadlines for application to this fellowship?
 - o November of the previous year for a July start date
- What are the prerequisites?



- o 4-year undergraduate degree, relevant research experience.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes
- How many fellows are admitted per year?
 - o 20-30 Fellows per year.
- Are there any recent graduates I can contact for further information?
 - o Keerat Grewal (keerat.grewal@mail.utoronto.ca)
- What will my salary be?
 - o If the program is completed during residency (i.e. during the sub-specialty year), the first year is the standard residency salary.
 - o There is no dedicated salary for the second year. You can apply for the Clinician Investigator Program and/or Clinician Scientist Training Program for salary support equivalent to your resident salary for the second year of the program.
 - o The cost of the program is \$7030 per year.
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director: Dr. Rob Fowler (<http://ihpme.utoronto.ca/faculty/rob-fowler/>)

Program Admin: clinepi.grad@utoronto.ca

Website:



<http://ihpme.utoronto.ca/academics/rd/cehcr-mscphd/>

University of Ottawa Emergency Medicine Clinical Research



uOttawa

The University of Ottawa Department of Emergency Medicine offers a Clinical Research Fellowship designed for residents and/or graduates of certified residency programs in emergency medicine. The goal of the fellowship is to provide a sound background in the principles and practice of clinical research for physicians who plan a career in academic emergency medicine.

Curriculum

We offer a 2-year program that has fellows obtaining a MSc degree from the University of Ottawa Department of Epidemiology. Fellows will plan and conduct clinical research under the close and regular supervision of experienced researchers (Ian Stiell MD, George Wells PhD, and others of the [Emergency Medicine Research Group](#)). We have trained more than 25 fellows from around the world (see website). Fellows will have limited clinical responsibilities working as junior faculty and will have no teaching or administrative duties.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No but fellows may enroll in the uOttawa RCPSC Clinician Investigator Program if they wish
- What are the deadlines for application to this fellowship?
 - o January 31 for expected start date of Sept 1. A separate application must be made for the MSc Epidemiology program at University of Ottawa.



- What are the prerequisites?
 - o Graduates of approved emergency medicine training programs. Canadian residents may do the 1st year during their PGY4 year and the 2nd year following their PGY5 year.
- How many residents are admitted per year?
 - o 3
- Are there any recent graduates I can contact for further information?
 - o Dr. Debra Eagles deagles@toh.ca
- What will my salary be?
 - o The fellows will work clinically as junior faculty and can expect an annual income of at least \$250,000 per annum.
- Will I have the ability to moonlight?
 - o Yes but this is unnecessary due to shift opportunities at UO teaching hospitals.

Contact details:

Program Director: Dr. Ian Stiell (istiell@ohri.ca)

Program Administrator: Ms. Carolyne Kennedy (cakennedy@ohri.ca)

Website:

http://www.emottawa.ca/eng/70-research_fellowship.html



University of British Columbia Clinical Investigator Program



The UBC Clinician Investigator program is designed to provide a combined research and clinical training stream for residents in Clinical Specialty Programs at UBC. The aim is to encourage young physicians to pursue careers as clinician-scientists and to renew the clinical academic faculty at UBC and other Canadian Medical Schools.

Curriculum

There are three pathways for CIP training:

1. The Continuous Training (CT) pathway, involves a minimum of 24 months of continuous, intensive, research training, which can be done at different points in residency.
2. The Fractionated Training (FT) pathway is intended to allow for a distribution of a minimum 24 months of research during training, in periods of 3 months or longer blocks, with one year of continuous research training. The FT option is for individuals who wish to pursue research that requires more than several years to plan a research project, obtain research ethics board approval and complete the project, which may involve patient recruitment to a study. This pathway is particularly suitable for clinical epidemiology research, where intensive research activities will be separated by long waiting periods.
3. The Distributive Curriculum Training (DCT) pathway is intended for outstanding residents who have research experiences prior to entering a residency program. In the DCT pathway, there is coordinated entry into the PGY1 year for both CIP and the specialty program. The PGY1 and PGY2 years in the DCT pathway are identical to a traditional specialty training program but the PGY3 equivalent is distributed over the PGY3 to PGY5 years, with three months of selective time in the PGY3 year utilized for research and completion of some clinical training requirements during the



research block. In the DCT pathway, there are 27 months of research experience.

The research component of the CIP may be satisfied within a Faculty of Medicine graduate program at UBC or, with permission of the CIP director, within an external research and educational institution. The research component of the CIP will be supervised by a primary supervisor and a supervisory committee. The research supervisor must have an appointment with a University (not necessarily UBC).

The clinical component of the program is identical to the RCPSC approved residency training program in the specific discipline with the exception that, with the approval of the department and division head, one year may be used for research training. Thus, the CIP adds a minimum of one year to the residency training. During the two-year research training, no more than 20% of a regular work week may be spent on clinical work, unless it is an integral part of the research. However, candidates are encouraged to take advantage of ongoing rounds, academic clinical events and academic half day sessions.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o December of year prior to July 1st start
- What are the prerequisites?
 - o Residents in all clinical Departments are eligible to apply to the Faculty of Medicine's Clinician Investigator Program. Candidates must be nominated by their prospective research

supervisor, program directors and department heads. Residents can apply for the CIP at any time during their training including at the time of initial application to the specialty training program.

- o Enrolment in a graduate degree program to complete a thesis or equivalent (graduate stream), or, if the trainee already has a graduate degree, enrolment in a postdoctoral fellowship (postdoctoral stream).
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many residents are admitted per year?
 - o 7; not restricted to emergency medicine
- What will my salary be?
 - o Salary as per PGY level for British Columbia (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director: Dr. Sian Spacey (spacey@mail.ubc.ca)

Program Administrator: Ms. Tessa Feuchuk
(tessafeuchuk@postgrad.med.ubc.ca)

Website:

<http://cip.med.ubc.ca>



MEDICAL EDUCATION

University of Toronto Master of Science in Community Health MSSC



The Health Practitioner Teacher Education (HPTE) is an area of growing interest as, the expectation for skills training in pedagogy and certification of teaching become the norm for university instructors around the world. The MScCH (HPTE) addresses the practical high quality education needs of health professionals locally, nationally and internationally.

Curriculum:

12 months full-time. Up to 6 years part-time. There is a mix of online, onsite components.

Frequently Asked Questions

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No
- What are the deadlines for application to this fellowship?
 - o November of PGY-3 to start summer of PGY-4.
- What are the prerequisites?
 - o An appropriate bachelor's degree or its equivalent from a recognized university. At least a mid-B average in final year of the degree or in the last 5.0 full course equivalents complete senior level. Certification / licensure in a Regulated Health Profession. Relevant professional experience
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes



- How many residents are admitted per year?
 - o No limit, application is competitive as per academic requirements
- What will my salary be?
 - o Salary as per PGY level in your local university (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes

Website:

<http://www.dlsph.utoronto.ca/program/mscch-health-practitioner-teacher-education-hpte/>

University of Ottawa Emergency Medicine Clinical Educator



uOttawa

This program is designed for those who aspire to be a leader in medical education in their professional work. We envision a clinician-educator (CE) as a career path beyond effective teaching alone. A CE is a consultant in education, applying advanced expertise in curriculum, teaching, assessment, and learning theory. As Emergency physicians, we have a unique and broad understanding of the medical education continuum and the breadth of disciplines. We are well placed to make effective contributions to medical schools, academic departments, and other institutions. If you can see yourself as a CE in EM, then this program is for you!

Our unique program in Ottawa is positioned to provide excellent CE training. Not only is our internationally-recognized department the most academically active in Canada, it is also one of the largest clinical training programs. Each year, the DEM sees more than 70 emergency medicine residents and fellows, more than 100 medical students in our emergency medicine clerkship, more than 100 off-service residents, and nearly 70 faculty. In Ottawa, our CE experiences can take advantage of our connections to the Royal College of Physicians and Surgeons of Canada, the Canadian Medical Protective Association (CMPA), the Canadian Resident Matching Service (CaRMS), and the Medical Council of Canada (MCC). Our CE program also provides synergies with other DEM programs in simulation, ultrasound, EMS, and educational research.

We are affiliated with the [University of Ottawa's Academy for Innovation in Education \(AIME\) programs](#), led by Stan Hamstra PhD. Participants in the DEM CE fellowship will be able to also be a part of the [AIME Health Education Scholars Program \(HESP\)](#).



Curriculum

Duration: 2 years

Curriculum Elements

- Career mentoring
- EM Med Ed Journal Club
- Applied projects/innovations
- Publications
- Presentations
- Individualized curriculum modules
- Opportunities to provide clinical teaching
- Clinical emergency medicine shifts

Major content areas

- Principles of health

professions education

- Systematic curriculum design
 - *Curriculum rationale*
 - *Needs assessment*
 - *Instructional methods*
 - *Assessment systems*
- Program evaluation
- Competency-based education
- Continuum of medical education: UGME, residency, PGME, CPD
- Accreditation
- Credentialing of physician competence
- Competence concepts
- Learning science
- Effective teaching
- Faculty Development

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No
- What are the prerequisites?
 - Senior resident (PGY4 and up) or faculty with a valid clinical license to practice Emergency Medicine in Ontario (independent or educational)
 - Evidence of interest and ability in medical education

- o Must enroll in one of the available graduate degree programs in health professions education (e.g. M.Ed., DipMedEd, MHPE, MA); or
 - o Enrolment in the Royal College of Physicians & Surgeons of Canada Area of Focused Competence/Diploma Clinician-Educator program
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No

Contact details:

Program Director: Dr. Jason Frank

Program Administrator: Ms. Rachel Baril (rabaril@toh.on.ca)

Website:

http://www.emottawa.ca/eng/08-emergency_medicine_clinician_educator.html



McMaster University Master of Science in Health Science Education



The Master of Science in Health Science Education program offers online courses in learning and curriculum, simulation/technical & non-technical skills, online learning, educational leadership, assessment and evaluation, and research methods. In addition, two mandatory in-person residency periods must be completed. The program offers students two completion pathways: a course-based option which is offered in online format through part-time studies (full time may be considered with special permission), or a thesis-based option offered in either part-time or full-time studies. Non-health practitioners will only be considered for the full-time, thesis stream. The program will be highly accessible through blended delivery of online and in-class formats.

Curriculum

Varies depending on completion pathway (course based or thesis-based)

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No
- What are the prerequisites?
 - Candidates for admission to this health science education program will have an honours-equivalent, four-year bachelor's degree in a health science or related health professional degree (e.g. Bachelor of Health Sciences from the Nursing, Physician Assistant or Midwifery Programs), an MD, or a Master of Science in Physiotherapy or Occupational Therapy, etc. or others with special permission and health care qualifications. Check the Admission Requirements section under Prospective



Students for information on additional requirements. Admission is competitive. Meeting the minimum standards does not guarantee admission to the program.

- How long does this program take to complete?
 - 1 (Full-time, course) or 3 years (Part-time, thesis)
- Is this enhanced competency available to CCFP(EM) graduates?
 - Yes
- Are there any recent graduates I can contact for further information?
 - Contact program for further information
- What will my salary be?
 - Salary as per PGY level.
- What is the cost of the program?
 - Annual Tuition - Full Time: \$8412; Part Time: \$5579
- Will I have the ability to moonlight?
 - Yes

Contact details:

Program Director: Dr. Kelly Dore (dore@mcmaster.ca)

Program Administrator: Darci Hill (HSED@mcmaster.ca)

Website:

<http://hsed.mcmaster.ca/index.html>



McMaster University Clinician Educator Program



Clinician Educators are physicians with formal training in medical education, who can provide consultative medical education advice and guidance for education projects. Example areas where Clinician Educators can assist include: curriculum design and implementation, scholarly teaching and learning, assessment and evaluation, education scholarship and leadership. The goal of the CE program is to train a competent and successful Clinician Educator, who is capable of enhanced practice in this area of focused competence. Successful program completion includes acquisition of a working knowledge of the discipline, offering a valuable educational resource to the educational environment and workplace.

Curriculum

This competency-based program is designed for completion concurrent with your active clinical medical practice. It is anticipated that most resident candidates will complete the program within 12-18 months.

The CE Diploma program consists of 4 mandatory units: Foundations, Curriculum, Teaching & Learning and Assessment. Each unit is anticipated to take the trainee 2-3 months to complete. There are 3 prescribed selective experiences, with each trainee selecting 2 of these 3 units: Simulation, Leadership and Education Scholarship. The total duration of this elective time is anticipated to take 6 months. Each unit will have identified key faculty supervisors from their home department.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?



- Yes - DRCPC(CE)
- What are the prerequisites?
 - Current employment as a physician or enrolment in a senior postgraduate medical training position with demonstrated proficiency and engagement in teaching Any Royal College or Family Medicine certification is eligible Evidence that current clinical practice will provide opportunities for direct supervision (within the McMaster University CE Program) for educational activities required of each unit. Candidates are welcome from all McMaster campuses and distributed learning sites
- Is this enhanced competency available to CCFP(EM) graduates?
 - Yes
- How many residents are admitted per year?
 - 6-8 (2 spots for residents; remainder for faculty)
- Cost of program
 - \$5000,00
- Will I have the ability moonlight?
 - Dependent on program director.

Contact details:

Program Director: Dr. Karen Finlay

Program Administrator: Robyn Crozier (crozier@mcmaster.ca)

Website:

<https://fhs.mcmaster.ca/postgrad/CEP.html>



University of British Columbia Clinical Educator Program



The Centre for Health Education Scholarship is offering opportunities for residents in Royal College Programs or Family Medicine or established clinicians to develop experience or skills in health education scholarship through the Clinical Educator Fellowship Program (CEFP). This 2-year fellowship is designed for those interested in developing an academic career as a Clinician Educator. Over the course of two years, fellows spend at least 80% of their time dedicated towards CEF activities.

Curriculum

- Be based in the Centre for Health Education Scholarship with release of 20% of time (in addition to teaching time) for clinical work
- Be enrolled in and complete an advanced degree in education
- Engage in and complete a scholarly (research) project as the thesis component of the degree program
- Participate in the CEF academic sessions
- Meet regularly with the CEF director
- Provide 300 hours per year of teaching (75% of which is MD undergraduate teaching) in diverse settings including being a CBL tutor, a clinical skills preceptor, and teaching on the clinical wards

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No



- What are the deadlines for application to this fellowship?
 - o Third Friday in December each year
- What are the prerequisites?
 - o Residents training in programs with a year of research (R3-5 in Royal College training programs) or enhanced skills programs (R3 in family medicine training program) may apply to enter the fellowship during their residency program.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes
- How many residents are admitted per year?
 - o Variable
- What will my salary be?
 - o Salary as per PGY level for British Columbia if taking part in the program as a resident (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes, if you have the necessary licensing to do so

Contact details:

Program Director: Dr. Rose Hatala (rhatala@mac.com)

Website:

<http://ches.med.ubc.ca/programs/clinical-educator-fellowship-program/>



EMERGENCY MEDICAL SERVICES (EMS)

University of Toronto EMS Fellowship



UNIVERSITY OF
TORONTO

The EMS Fellowship Program at the University of Toronto was the first of its kind outside of the United States, and the model for other similar programs in Canada. By working with national and international leaders in this domain, the Program offers candidates an exceptional experience to obtain leadership skills in all aspects of prehospital care and transport medicine. The Fellow will be fully integrated into Canada's largest municipal land EMS service (~400,000 responses / year) and Canada's largest air medical and land critical care transport program (~19,000 transports / year), where he/she will assume several key responsibilities with increasing autonomy. The candidate will have access to a broad range of experiences, including provider education, service provision, dispatch and resource allocation, quality care initiatives, and research. The Program is competency-based, in keeping with current and future CanMEDs principles. It is also designed to meet the requirements of the newly approved Royal College AFC-Diploma program in EMS, with the Program Director being the Royal College's Chair of the EMS AFC-Diploma working group. Prior graduates now have significant national and international leadership positions, and are fostering growth in this domain around the world.

Curriculum

The program is designed as a formal one- or two- year fellowship for trainees who have completed their EM residency program, or can be tailored as a one-year enhanced competency experience for trainees currently in an EM residency program. All aspects of the program are designed to be carried out on site in Toronto or at one of the affiliated sites in Ontario.



Trainees in a Royal College emergency medicine residency program may (upon request of individual consideration) complete up to 6 months (of 12-month total) of this program during their final 24 months of training - the remaining 6+ months are then completed after their RC-EM residency program is complete and the candidate is emergency medicine board-certified by the Royal College (i.e. FRCPC).

The trainee will be expected to carry out between 5 and 7 clinical ED shifts per month at one of two quaternary care teaching hospital affiliated with the University of Toronto, including the hospital designated as to provide direct medical control to Toronto's land paramedic service. They will also be expected to carry out an independent research project during the Program. The infrastructure, resources, and mentorship necessary to fulfill and succeed with this requirement are in place. Prior Fellows have successfully completed this requirement, presented at national and international conferences, and published in peer-reviewed journals. A Masters degree is included as part of the two-year option (note: there is a separate application process for graduate degree).

The Program can be tailored to meet specific needs of an individual candidate, while keeping the ultimate goal of completing the AFC-Diploma requirements set by the Royal College. This will ensure the candidate is eligible for the Diploma upon completion of the Fellowship).

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes (AFC-Diploma program for post-residency candidates)
 - o The program can be a one year enhanced competency experience or a two-year fellowship
- What are the deadlines for application to this fellowship?

- o Application deadline is September 1st for following academic year (July - June)
- What are the prerequisites?
 - o Graduates of an existing emergency medicine residency training program must have emergency medicine board certification from home country and be eligible for an educational license with the College of Physicians and Surgeons of Ontario.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes
- How many applicants are admitted per year?
 - o 1-2
- Are there any recent graduates I can contact for further information?
 - o Dr. Thamir AlSayed - dr.tjunaid@hotmail.com;
 - o Dr. Maxwell Osei-Ampofo - maxwelloseiampofo@yahoo.com;
 - o Dr. Nawfal Algerian - nawfalaljerian@gmail.com
- What will my salary be?
 - o \$75,000.00 per year for fellows, assuming candidate has completed their emergency medicine residency training program. If the trainee is carrying out components of the program within an existing residency training program, salary is derived from their "home" training program.
- Will I have the ability to moonlight?
 - o Yes, if candidate has a general license (moonlighting must not interfere or conflict with program requirements and expectations)
- Is there a cost to the program?

- o None for the 1-year program. The 2-year program with graduate degree involves graduate school tuition and related fees which are not waived for Fellows or covered by the fellowship program.

Contact details:

Program Director: Dr. Russell MacDonald (rmacdonald@ornge.ca)

Program Administrator: Sawan Massey (division.em@utoronto.ca)

Website:

<http://www.deptmedicine.utoronto.ca/clinical-research-fellowships>



University of Alberta EMS



There are two routes available for this experience one during, and one post residency.

During Residency

The EMS Diploma at the University of Alberta anticipates recognition by the RCPSC as an Area of Focused Competence (AFC). This 6-month learning opportunity for senior emergency medicine residents endeavors to meet all requirements for RCPSC diploma recognition. Areas of program focus include EMS history, system design, personnel, equipment, communication, transport destination choices, online and offline medical control, patient care considerations including critical care and resuscitation, aeromedical transport, legal considerations, disaster medicine, public health, adult education, and business administration. This 6-month focused program combines academic learning and practical experience.

Post-Residency

The Post-Residency EMS Diploma at the University of Alberta anticipates recognition by the RCPSC as an Area of Focused Competence (AFC). Our 6-month learning opportunity for graduates of accredited Emergency Medicine Residency Training Programs will endeavor to meet all requirements for RCPSC AFC (Diploma) recognition. Areas of focus include EMS history, system design, personnel, equipment, communication, transport destination choices, online and offline medical control, patient care considerations including critical care and resuscitation, aeromedical transport, legal considerations, disaster medicine, public health, adult education, and business administration. This 6-month focused training program combines academic learning with practical experience. An independent practice license is required for registration in this advanced training program.



Curriculum

During Residency

Our EMS Diploma Candidates provide direct leadership for Spruce Grove Fire Service, an integrated Fire-EMS service located in a suburban community just west of Edmonton. As well, EMS Diploma Candidates have a variety of opportunities to work with Direct-Delivery AHS EMS Special Teams in Edmonton Zone. A research project is to be discussed a priori with the Fellowship Director. The curriculum includes a mix of ground and air medical EMS transport experiences with a negotiable schedule. Responsibilities include EMS Medical Direction for a regional integrated Fire-EMS service, supervised by the Fellowship Director.

Post-Residency

Our Post-Graduate EMS Diploma Candidates provide leadership for Spruce Grove Fire Service, an integrated Fire-EMS service located in a suburban community just west of Edmonton. As well, Post-Graduate EMS Diploma Candidates have a variety of opportunities to work with Direct-Delivery AHS EMS Special Teams in Edmonton Zone. A research project is to be discussed a priori with the Fellowship Director. A mix of ground and air medical EMS transport experiences is part of a negotiable schedule. Responsibilities include EMS Medical Direction for a regional integrated Fire-EMS service, supervised by the Fellowship Director.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o During Residency
 - o No (Anticipated to receive it in the near future)
 - o Post-Residency
 - o Yes

- What are the deadlines for application to this fellowship?
 - Minimum 6 months before proposed start date
- What are the prerequisites?
 - Minimum PGY-4 or higher and must have completed ICU and EMS rotations
- Is this enhanced competency available to CCFP(EM) graduates?
 - During Residency
 - No
 - Post-Residency
 - Yes
- How many fellows are admitted per year?
 - During Residency
 - Up to 2
 - Post-Residency
 - Up to 2
- Are there any recent graduates I can contact for further information?
 - Dr. Mandeep Sran
 - Dr. Sara McKinnon
- What will my salary be?
 - During Residency
 - Home Program resident salary
 - Post-Residency
 - Negotiable
- Will I have the ability to moonlight?
 - During Residency

- o If licensed by CPSA for physician extender shifts.

Contact details:

Fellowship Director: Dr. Kevin Lobay

Program Director Dr. Sandy Dong (sdong@ualberta.ca)

Program admin: Maria Borges (maria.borges@ualberta.ca)

Website:

<https://www.ualberta.ca/medicine/departments/emergency-medicine>



Dalhousie University EMS Fellowship



The one-year EMS fellowship at Dalhousie Medical School generally begins in July. You'll experience the full spectrum of EMS medical oversight, system design, research and administration. And our integrated provincial system enables hands-on experience with Lifelight, ground ambulance and medical communications. Our goal is to educate physicians who are valued contributors within the EMS system, and who have sound knowledge of EMS system design, evidence-based practice, research methodology and adult education.

Curriculum

Our curriculum is based on that outlined in *The Development of a National Emergency Medical Services Curriculum Framework for Physicians in Canada* (Prehosp Emerg Care 2008; 12(3)). You'll also have the ability to structure your learning based on your personal goals.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No. However, opportunities exist for senior residents to partially or fully satisfy the Royal College requirement for an area of concentration.
- What are the prerequisites?
 - Applications from residents in the FRCP and CCFP(EM) emergency medicine residency programs are welcome.
- Is this enhanced competency available to CCFP(EM) graduates?



- Yes
- What funding opportunities are available?
 - The fellowship is self-funded by locum shifts at the Queen Elizabeth II Health Sciences Centre's Charles V. Keating Emergency and Trauma Centre -- a state-of-the-art teaching hospital affiliated with Dalhousie Medical School. Bursaries are also available for application.

Contact details:

Program Director: Dr. Alix Carter (ems@dal.ca)

Website:

<https://medicine.dal.ca/departments/departments/sites/emergency/divisions/ems/education/ems-fellowship.html>

University of Ottawa EMS Fellowship



uOttawa

This exciting new fellowship prepares emergency medicine physicians for a leadership role in prehospital care and disaster medicine. Ottawa has one of the largest, oldest, and most advanced prehospital systems in Canada. This organization offers ample opportunity for learning the craft of EMS. Combined with the prehospital research strengths of the DEM and the disaster-preparedness efforts of the capital region, this fellowship provides unique experiences. Training is one or two years, depending on participant goals.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No
- What are the prerequisites?
 - Applications from residents in the FRCP and CCFP(EM) emergency medicine residency programs are welcome.
- Is this enhanced competency available to CCFP(EM) graduates?
 - Yes

Contact details:

Program Director: Dr. Richard Dionne (dionner@sympatico.ca) and Dr. Justin Maloney (jmaloney@sympatico.ca)

Program Administrator: Ms. Stephanie Verhey (sverhey@toh.on.ca)

Website:



http://www.emottawa.ca/eng/08-emerg_prehospital_care_disaster_ems.html

McMaster Prehospital Care / EMS Fellowship



The goal of the Prehospital Care Fellowship Program is to support a fully trained Emergency Physician to develop sub-specialty skills and expertise in Prehospital Care. The fellow will participate in a variety of activities including directed study, administrative meetings/projects, clinical EMS field experiences, education development and delivery, disaster preparedness and simulation, and clinical emergency medicine.

Curriculum

- Emergency Department 12-20 hours/week as an emergency physician/fellow (~1-2 days/week)
- Paramedic/Physician EMS Education/Evaluation/Simulation (~1 day/week)
- EMS Field, EMS Communication Centre, Disaster Planning/Simulation (~1 day/week)
- QA/CQI/Research Projects (~1 day/week)
- Administrative meetings, guidelines and Medical Directive preparation, reference review (~1 day/week)

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - Diploma in EMS approved by RCPSC 2017; process will be in place by 2018 for McMaster Program to Apply
- What are the deadlines for application to this fellowship?
 - Contact program for further details
- What are the prerequisites?
 - Application letter, 3 letters of reference, Specialty certificate (Royal College of Physicians and Surgeons of Canada or equivalent)



- Is this enhanced competency available to CCFP(EM) graduates?
 - Yes
- How many residents are admitted per year?
 - 1-2
- How long does this program take to complete?
 - 12 months, may be extended for an additional year with approval to complete a prehospital care Research fellowship.
- Are there any recent graduates I can contact for further information?
 - Contact program for further details
- What will my salary be?
 - Applicants who are eligible for independent licensure in Ontario; funding will occur through clinical scholar framework based upon part-time clinical work in the Emergency Department (or other); External applicants who are not eligible for independent licensure must be fully self-funded as per McMaster postgraduate requirements
- Will I have the ability to moonlight?
 - Varies, contact program for further details

Contact details:

Program Director: Dr. Michelle Welsford (dr.m@welsford.ca)

Program Administrator: Teresa Vallera (vallera@mcmaster.ca)

Website:

https://fhs.mcmaster.ca/emergmed/postgrad/academics_fellowships_ems.htm



University of British Columbia



THE
UNIVERSITY OF
BRITISH
COLUMBIA

This 1 year enhanced competency is based at the BC Ambulance Service's head office in Vancouver. It is a mix between administrative involvement and field experience with paramedic crews including primary care paramedics, advanced care paramedics, critical care paramedics, and the infant transport team. You will work directly with medical directors and your responsibilities will be as per the Medical Programs Team. You will be required to complete a scholarly project.

Curriculum

This is decided upon along with the Medical Programs Team. Consists of a mix between time with medical directors, field experience, and electives which may include other EMS services is desired.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No, however application for formal certification is in progress.
- What are the deadlines for application to this fellowship?
 - o You are encouraged to contact them as soon as you are interested.
- What are the prerequisites?
 - o None specified.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Potentially. This is at the discretion of medical directors.



- Are there any recent graduates I can contact for further information?
 - o Dr. Wilson Wan (wcywan@gmail.com)
- What will my salary be?
 - o Salary as per PGY level for British Columbia (see CARMs website for salaries)
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director(s): Dr. Philip Yoon (Philip.Yoon@bcehs.ca) and Dr. Sandra Jenneson (Sandra.Jenneson@bcehs.ca)

Website:

<http://www.bcehs.ca>



University of Calgary EMS Certificate



This program is a one year certificate program designed to train emergency physicians in aspects of pre-hospital emergency care. The program integrates components of medical education, research, administration, and clinical training. The fellowship is designed to allow for maximal flexibility and choice in course work, and material and long as the core content outlined below is completed.

Curriculum

- 1. Course Work & Workshop** - Completion of a minimum of 250 hours of Emergency Medical Services-related education.
- 2. Administrative Responsibilities** - The trainee must complete a minimum of 50 hours of administrative work, either sitting as an active member in committee or completing supportive reports for the same.
- 3. Educational Responsibilities** - The trainee is responsible for both paramedic and resident education during their fellowship year. A minimum of 40 hours should be spent developing and presenting formalized educational content.
- 4. Clinical Responsibilities** - During the subspecialty training year residents will continue to complete shifts in the emergency department as well as participate in pre-hospital clinical activities. The following are the required clinical responsibilities of the EMS trainee:
- 5. Research, Administrative or Educational Project** - Completion of a formalized research, administrative, educational or quality assurance project in the field of Emergency Medical Services. The work should directly reflect the specialty of pre-hospital medicine and provide benefit to either national, provincial or municipal emergency medical services organizations or the emergency medicine residency program. The trainee must initiate the project and topics are under the discretion of the program director.
- 6. Electives – a)** A maximum of two blocks elective time of the EMS training year can be substituted with educational features of other pre-hospital



programs offered through the University of Calgary (Aero-medical or Disaster Medicine) as long as the hourly work initiative is equivalent and is approved by both program directors; **b)** A maximum of one block of elective time can be taken to explore other areas of emergency medicine during the sub-specialty training year.

7. Certification - On completion of the fellowship, all work will be reviewed by the EMS program director in conjunction with the fellow's home program director to ensure adequate completion of all competencies. There is no formal exam at this time. Once complete the fellow will receive a certificate from the University of Calgary PGME office "Specialty in Emergency Medical Services".

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No, but you will receive a U of C certificate in EMS
- What are the deadlines for application to this fellowship?
 - o February 1st
- What are the prerequisites?
 - o Good standing in home program
 - o Interested candidate submits a letter of interest, CV, two reference letters and letter of support from program director
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many fellows are admitted per year?
 - o o 1
- What will my salary be?
 - o Standard salary as per PGY level
- Will I be able to Moonlight?
 - o Yes

Contact details:

Certificate Program Director: Dr. Judson Barkhurst
(judson.barkhurst@albertahealthservices.ca)

Former Program Director: Katherine Bateman
(katherinelbateman@gmail.com)

Website:

<http://cumming.ucalgary.ca/ermedicine/programs/emsd-disaster-medicine-fellowship>

DISASTER MEDICINE

University of Calgary



The enhanced competency has a list of core competencies has been proposed by the International Disaster Medical Sciences fellowship under the American Board of Emergency Medicine. It outlines 3 main categories: Conceptual Framework and strategic overview of disasters; Operational Issues; Clinical Management. It is expected that the individual will acquire necessary competencies through the disaster fellowship framework proposed above.

Curriculum

1. Disaster Core Medicine Education:
 - a. Completion of a minimum of 250 hours of disaster medicine-related, education. Options include a masters*, disaster management/medicine courses** but all must be approved by emergency medicine Disaster program director.
 - b. Additional 100 hours self-directed study including but not limited to reference textbooks: *Disaster Medicine 2nd edition* by Ciotto; *Disaster Preparedness for Healthcare facilities* by Kolleck
 - c. Deployment to a disaster response in the capacity of medical or management expert for a minimum 21 days with a recognized agency.
 - d. Participation in a large-scale multi-system simulation/disaster scenario that is recognized by the local, regional or national agencies.
2. Emergency Management Training - Applicants must complete all the following: Incident Command Systems; FEMA educational courses
3. Disaster Medicine Training - Applicants must complete all the following: Disaster Life support; Hazmat
4. Disaster work experience: A minimum of one year's active



participation on a federal, provincial, civic, hospital, or healthcare agency or facility disaster committee.

5. Educational/Clinical Responsibilities
6. Research, Administrative or Business project:
7. Electives: maximum of two blocks elective time of the disaster fellowship can be substituted with education features of other pre-hospital programs offered through the University of Calgary (Aero-medical, EMS, programs) or other university programs (i.e. Mass Gathering Medicine, Internships etc.).
8. Certification: On completion of the fellowship, all work will be reviewed by the disaster program director in conjunction with the fellow's home program director to ensure adequate completion of all competencies. There is no formal exam at this time. Once complete the fellow will receive a certificate from the University of Calgary PGME office stating "Specialty in Disaster Medicine".

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No
- What are the deadlines for application to this fellowship?
 - February 1st
- What are the prerequisites?
 - Good standing in Home program
 - Interested candidate submits a letter of interest, CV, two reference letters and letter of support from program director
- Is this enhanced competency available to CCFP(EM) graduates?
 - No
- How many fellows are admitted per year?
 - 1

- What will my salary be?
 - o Standard fellow Salary by home program
- Will I be able to Moonlight?
 - o Yes

Contact details:

Program Director: Dr. Kevin Hanrahan

Program Supervisor: Dr. Brad Granberg (bmgranbe@ucalgary.ca)

Website:

<http://cumming.ucalgary.ca/ermedicine/programs/emsdisaster-medicine-fellowship>



GERIATRIC EMERGENCY MEDICINE

University of Toronto Geriatric Emergency Medicine Clinical Fellowship



This is a clinical fellowship, which allows the fellow to work in the general ED of Mount Sinai Hospital while developing an area of expertise in care of older patients in acute care. The latter is accomplished through a series of clinical rotations in Geriatric Medicine, Geriatric psychiatry, Geriatric Palliative Care, Geriatric Trauma. Other areas could also be considered: Long-term Care, Community-based primary care, etc. There are opportunities to develop skills in all or some of: research, education quality improvement, and administration.

Curriculum

The number and structure of those or other rotations can be altered depending on the learning objectives of the individual fellow including elective rotations. The clinical fellowship is onsite with no online component. The usual length of the fellowship is 12 months.

Geriatric Medicine 2-3 months; Geriatric Psychiatry 1-2 months; Outpatient clinics 1-2 months (these may include falls clinic, comprehensive geriatric consult clinic, memory clinic or a choice from 10 full assessment clinics); Geriatric ICU 1-2 months (caseload of only patients > 75 years);

Geriatric Trauma 1 month (trauma center experience); Geriatric Orthopedic fracture service 1 month; Geriatric Palliative Care Medicine 1 month; Long-Term Care 1 month; Home-Based Primary Care Team/House Calls 1 month; Geriatric Ultrasound 1 month; Research 1-3 months; Emergency Shifts (Up to two shifts per week in the Mount Sinai ED functioning as a staff physician - though partnered with a staff physician).



Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o Contact Dr. Melady at least ten months in advance of anticipated start date.
- What are the prerequisites?
 - o This fellowship is currently designed as a post-licensure experience; it could also be re-constructed for a PGY4 pre-licensure experience.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes
- How many fellows are admitted per year?
 - o 1 post licensure fellow
 - o May include 1 PGY-4 resident
- What will my salary be?
 - o University of Toronto fellow standard salary
- Will I have the ability to moonlight?
 - o Yes, if candidate has a general license

Contact details:

Program Director: Dr. Don Melady
(don.melady@utoronto.ca)

Website:

<http://www.sremi.ca/geriatric-emergency-medicine>



PALLIATIVE CARE MEDICINE

University of Manitoba Palliative Care Fellowship



UNIVERSITY
OF MANITOBA

Through this program, you will gain expertise in the many facets of palliative care through in-patient, outpatient, and consultative experiences, as well as home visits. You will also participate in oncology clinics and rural palliative care. In addition, your guided research rotation will provide you with the opportunity to hone your critical appraisal skills through the palliative care scholarly project.

Note: As of 2018, palliative care medicine will also have a 2-year Royal College certified fellowship available. This will be managed through the medicine subspecialty match with CaRMS.

Curriculum (*applies to the year of added competency)

Total 13 Blocks = 52 Weeks

- Eight weeks supervised training period on the Tertiary Level Palliative Care Unit, located at St. Boniface General Hospital (SBGH)
- Eight weeks at the Riverview Health Centre Palliative Care Unit
- Four weeks with the medical oncology service at Cancer Care Manitoba
- Two weeks with the radiation oncology service at CancerCare Manitoba
- Eight weeks working with the Community Consults and Home Visit Team
- Six weeks of elective time in an area of study of your choosing as well as optional longitudinal experiences.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - The year of added competency culminates in a certificate from the University of Manitoba
 - The upcoming 2-year palliative medicine fellowship will be Royal College certified
- What are the deadlines for application to this fellowship?
 - The deadline for submission is November 1 of each year.
- What are the prerequisites?
 - You are eligible for full registration with the College of Physicians and Surgeons of Manitoba.
 - You have completed a postgraduate certification program as set out by the Royal College of Physicians and Surgeons of Canada or by the College of Family Physicians of Canada. You have completed the certification examinations or be eligible to sit these examinations on the completion of the Palliative Medicine Program.
 - You have current ACLS certification
- Is this enhanced competency available to CCFP(EM) graduates?
 - Yes
- What will my salary be?
 - Salary as per PGY level for Manitoba (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - Yes

Contact details:

Program Director: Christian LaRiviere (clariviere@wrha.mb.ca)

Program Administrator: Ms. Cidalia Hodnett (chodnett@hsc.mb.ca)



Website:

http://umanitoba.ca/faculties/health_sciences/medicine/units/family_medicine/postgrad/6679.html

University of British Columbia Palliative Care Fellowship



The University of B.C. Division of Palliative Care currently offers a one-year program in Palliative Medicine, jointly accredited by the College of Family Physicians Canada (CFPC) and the Royal College of Physicians & Surgeons of Canada (RCPSC). However, as of June 2017, The RCPSC will no longer accredit the Year of Added Competency (YAC). UBC will be amongst one of the first schools to offer a new 2-year subspecialty residency program in adult palliative medicine for Royal College residents and certificants. Starting July 2017 the YAC program will accept College of Family Physicians of Canada certificants (CCFP) seeking added competency in palliative medicine. On completion of the program, the physician will be able to provide primary and consultant palliative care services, including the education of medical students and physicians, and receive the right to use the PC (Palliative Care) Certificate of Added Competence (CAC) designation. There will also be a solid foundation should he/she wish to pursue an academic/research career in palliative medicine. For Royal College Emergency Medicine residents wishing to pursue palliative medicine as an enhanced competency, we do offer the YAC with the understanding that the Royal College will not credential the training. However, the year-long curriculum will provide the resident with a robust set of palliative medicine competencies appropriate for the emergency setting or a palliative care unit, hospice, or community palliative care service. This added year of training will lead to a certificate of completion from UBC, Division of Palliative Care.

Curriculum

Year of added competency:

- | | |
|--|---|
| 1. Palliative Care Introduction | 8 |
| weeks | |
| 2. BC Cancer Agency (Med Onc, Rad Onc, GPO course) | 6 |



weeks	
3. Geriatrics	4 weeks
4. Advanced TPCU/Consultation	8
weeks	
5. Home Hospice Palliative Care Service	8
weeks	
6. Ambulatory clinics (PSMPC at BCCA and non-cancer clinics)	4
weeks	
6. Electives	10
weeks	
7. Holiday	4
weeks	

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes, if you pursue the formal fellowship (PGY-6 and PGY-7) which is distinct from the YAC. No, if you complete the year of added competency (YAC).
- What are the deadlines for application to this fellowship?
 - o October the year before starting for the YAC. See CaRMS for Royal College fellowship deadlines.
- What are the prerequisites?
 - o Royal College program
 - o Twelve (12) months of clinical medicine-based rotations with a minimum of 6 months at a senior level designed to allow achievement of competencies in the consultation and care of complex medical patients, interprofessional care, and effective communication skills.
 - o YAC

- o Completion of part of either family medicine program or first 3 years of Royal College emergency medicine program.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes
- How many residents are admitted per year?
 - o 1
- What will my salary be?
 - o Salary as per PGY level for British Columbia (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director: Dr. Charlie Chen (Charlie.chen@ubc.ca)

Program Administrator: Ms. Kathryn Inman (ksinman@mail.ubc.ca)

Website:

<http://palliativecare.med.ubc.ca/education/postgrad/>

University of Toronto Palliative Care Fellowship



There is an enhanced competency in Palliative Care that is offered in Toronto. The experience is 1-2 years, with a period of change occurring during time of the booklet publication. For interested applicants please visit the **website** for up to date information:

<http://www.deptmedicine.utoronto.ca/sites/default/files/University%20of%20Toronto%20-%20Palliative%20Medicine%20Description.pdf>

Contact Details:

University of Toronto Administrator: Sawan Massey
(division.em@utoronto.ca)



PEDIATRIC EMERGENCY MEDICINE

University of Toronto Pediatric Emergency Medicine



The fellowship is based within the Division of Pediatric Emergency Medicine at SickKids, a 400-bed pediatric hospital. Most clinical training is provided in the emergency department, where the annual census is approximately 65,000 visits per year with all levels of acuity. It is a Level I pediatric trauma center. Patients are served from GTA and all over the province, with an excellent variety of disease presentations.

There are **two** approaches to pediatric emergency medicine. Both will be outlined

Academic Fellowship Program

This is a two-year fellowship that is designed to produce experts in the field of Paediatric Emergency Medicine. Fellows benefit from the large number of fellowship-trained faculty who are enthusiastic mentors. The curriculum is designed to ensure that fellows receive teaching in clinical medicine, research methodology, evidence based medicine and administrative issues.

Clinical Departmental Fellowship Program

This is a clinical fellowship that provides 12 months of training for those who wish to gain additional expertise in Pediatric Emergency Medicine. Most the year is spent in the pediatric Emergency department (10.5 months) with 2 additional weeks of pediatric anaesthesia and a 1 month elective. Although not a Royal College accredited fellowship, both SickKids and the University of Toronto offer certificates of training completion.

Curriculum



Academic Fellowship Program

Fellows are actively involved in leading a variety of rounds (case rounds, trauma and transport, toxicology, M&M, Grand rounds, Radiology rounds, Mock codes, Journal clubs), simulation training and monthly workshops at the Simulation Centre at the SickKids Learning Institute. These sessions allow the fellows to practice critical skills used in resuscitation, trauma and leadership skills. The first year consists of 7 blocks in PEM and a multitude of off service rotations while the second year, which may be completed in the PGY6 year, contains 6 blocks in PEM. There are 2 months of elective in second year. All fellows are required to participate in research. A summer research methodology course is held each year to introduce basic research concepts. A divisional research day is held in the spring and all fellows are expected to present their research proposal and progress report once a year. An administration course is held longitudinally throughout the year as part of the academic day. Topics include leadership skills, quality assurance, charting, ethics, telephone advice, legal issues and public relations.

Clinical Departmental Fellowship Program

Fellows participate in the same learning and teaching opportunities as the FRCP Academic fellows (Simulation, participation in academic days, sedation and APLS certifications). The program consists of one year of 13 rotations including four weeks of vacation. 10.5 months are spent in PEM, 2 weeks of anaesthesia, and 1 month of elective. No formal requirements but research is encouraged and supported if this is something you are interested in. No formal administrative responsibilities are mandated. The same teaching from the administration course is available to the clinical fellows. Academic rounds are held on Thursdays, fellows generally have a presentation every 1-2 months.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?



- o Academic Fellowship Program
 - o Yes
 - o Clinical Departmental Fellowship Program
 - o No
- What are the deadlines for application to this fellowship?
 - o Academic Fellowship Program
 - o CARMS deadlines; or March 31
 - o Clinical Departmental Fellowship Program
 - o Spring of PGY 3 year
- What are the prerequisites?
 - o Academic Fellowship Program
 - o Applications are accepted from residents in North American training programs (paediatrics and emergency medicine). Applications are also accepted from international candidates who have confirmed funding for two years of fellowship.
 - o Please note that candidates applying from North America must be currently enrolled in an accredited residency program.
 - o Clinical Departmental Fellowship Program
 - Applications are accepted from international applicants who do not have funding. You must have completed your pediatric training in your home country.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Academic Fellowship Program
 - Yes
 - o Clinical Departmental Fellowship Program
 - Yes
- How many fellows are admitted per year?
 - o Academic Fellowship Program

- 4 approximately
 - o Clinical Departmental Fellowship Program
- 6 approximately
- Are there any recent graduates I can contact for further information?
 - o Academic Fellowship Program
 - Michelle Lee: michelleS.lee@sickkids.ca
 - o Clinical Departmental Fellowship Program
 - Michael Killian: kilianmr@gmail.com
- What will my salary be?
 - o Resident Salary for PGY-4, PGY-6 years.
- Will I have the ability to moonlight?
 - o Yes, as granted by your home FRCP program. Also, able to pick up extra PEM shifts at Sickkids for pay after 6months of training.

Contact details:

Academic Fellowship Program

Program Directors: Drs. Anna Kempinska & Dr. Iwona Baran
(anna.kempinska@sickkids.ca, Iwona.baran@sickkids.ca)

Program Admin: Ritsa Iriotakis (pem.fellowship@sickkids.ca)

Clinical Departmental Fellowship Program

Program Director: Dr. Dennis Scolnik (Dennis.scolnik@sickkids.ca)

Program Admin: Ritsa Iriotakis (pem.fellowship@sickkids.ca)

Website:

<http://www.sickkids.ca/PaediatricEmergencyMedicine/Learning-and-Education/Education/Fellowship/Fellowship-Program-RCPSC-accredited/Fellowship-Program-RCPSC-accredited.html#fellowship>

University of Calgary Pediatric Emergency Medicine



The rotations take place in the designated regional trauma centre for all children aged 0-14 years, thus providing our residents with ample pediatric trauma exposure. Nearly all procedures performed in our ED are performed by emergency physicians (and their trainees) rather than consulting services. For example, all fracture reductions, intubations, chest tube insertions, and minor plastics procedures are performed by emergency physicians unless the ED staff requests assistance. Our emergency physicians and fellows also act as our Trauma Team Leader for trauma team activations. This allows our fellows ample opportunity to perform procedures and develop their skills in trauma leadership.

Curriculum

PEM fellows have a full protected day for education each week and are excused from clinical duties the night prior to ensure they benefit from the educational programming. Academic days include city wide emergency rounds, PEM rounds (interesting cases, M&M, best evidence, procedural skills, and guest speakers), dedicated fellow teaching (two-year curriculum), joint teaching with the FRCPC emergency residency program, and journal clubs. Fellows also benefit from monthly multi-disciplinary human patient simulation sessions that follow a dedicated two-year curriculum. These are carried out in the hospital's state-of-the-art simulation center.

Calgary offers a two-year training program based on the 2013 Royal College fellowship requirements. This program offers thirteen (13) 4-week blocks of training in the Pediatric Emergency Department at the Alberta Children's Hospital. There will be a minimum of 5 blocks per year to ensure that residents are given increasing professional responsibility under appropriate staff supervision. Rotations include PICU, Toxicology,



Anaesthesia, Orthopedic, Plastics, Research Blocks, Diagnostic Imaging, EMS/Disaster, administration, and NICU. There is also exposure to ambulatory and subspecialty clinics. Residents complete a scholarly project by the end of the 24-month training period; must present yearly at Pediatric Emergency Research Canada meeting (Jan/Feb)

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o CARMS Deadline
- What are the prerequisites?
 - o Have completed at least 3 years of post-graduate training in Paediatrics or Emergency medicine prior to start date
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many fellows are admitted per year?
 - o 2-3
- Are there any recent graduates I can contact for further information?
 - o Martin Gauthier martin.gauthier@gmail.com, Shirmee Doshi shirmeedoshi@gmail.com
- What will my salary be?
 - o Standard Fellow Salary
- Will I be able to Moonlight?

- o Yes

Contact details:

Program Director: Dr. Naminder Sandhu
(naminder.sandhu@albertahealthservices.ca)

Program admin: Tracey Boyle (tracey.boyle@albertahealthservices.ca)

Website:

<http://cumming.ucalgary.ca/pgme/programs/residency-training-programs/pediatric-emergency-medicine>

University of Alberta Pediatric Emergency Medicine



Pediatric Emergency Medicine (PEM) is a branch of medicine that provides highly specialized, acute health care to children of all ages and developmental levels. PEM provides the opportunity to see a wide variety of medical problems, perform multiple procedures, and use critical care skills. The PEM specialist is both dedicated to and well situated for advancing the science of our field through multidisciplinary and translational research.

Ours is a subspecialty that appreciates quality of life outside of work, and at the University of Alberta, we encourage and support our staff to strive for work-life harmony. PEM offers flexible hours and a great variety of patients. The Stollery Children's Hospital offers the only accredited specialized pediatric emergency department (ED) in central and northern Alberta. With a referral base from the northern half of Alberta, as well as two territories and north-eastern British Columbia, we serve a large and diverse population. The Stollery Children's Hospital ED treated just over 55,000 patients last year. Approximately 8 per cent of these emergency patients require admission to hospital, which allows our learners exposure to much higher acuity than most centres. Our state of the art facility was built in 2012.

Curriculum

All rotations with the exception of Neonatal ICU are completed on site at the Stollery Children's Hospital. The program is 2 years, split between the PGY 4 and PGY 6 years. Rotations in PEM (13), NICU, PICU, Toxicology, Plastics, Orthopaedics, General Paediatrics etc. (see RSPSC requirements) plus electives-some rotations are not needed if they have been completed previously. Residents with a background in Emergency Medicine must have the following seven (7) blocks' duration of rotations or equivalent training



(at the PGY3 level or above), as deemed appropriate by the program director:

Rotations include: Neonatal-Perinatal Medicine, Pediatric Critical Care Medicine, General Paediatrics, Toxicology, EMS, Pediatric anaesthesia, Pediatric orthopedic surgery, Plastic Surgery, Pediatric diagnostic and a minimum equivalent of two (2) blocks of selectives. Responsibilities also include completion of a Scholarly Project.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o CARMs deadline for medicine fellowship match
- What are the prerequisites?
 - o Satisfactory standing in a Paediatrics (R2 or 3) or Emergency Medicine Residency (R2) Program
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many fellows are admitted per year?
 - o 2
- Are there any recent graduates I can contact for further information?
 - o Joseph Maclellan maclellan.joe@gmail.com
 - o Brandy Stauffer brandys@ualberta.ca

- o Janeva Kircher kircher@ualberta.ca
- What will my salary be?
 - o University of Alberta resident/fellow standard salary
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director Andrew Dixon (dixon2@ualberta.ca)

Program admin: pedsemerg@ualberta.ca

Website:

<https://www.ualberta.ca/pediatrics/pediatric-education-programs/postgraduate-medical-education/emergency-medicine-residency-program>

Dalhousie University Pediatric Emergency Medicine



The Pediatric Emergency Medicine program at the IWK is a two-year program, designed to instill life-long learning objectives for the trainees. The PEM Resident will develop skills as a medical expert and clinical decision maker in the ED, with specialty knowledge gained through clinical experience, seminars, literature reviews, journal club, academic half days and conferences.

Curriculum

- Weekly Academic Half-day: Pediatric Emergency Medicine Rounds or grand Rounds 0900-1000, PEM Resident Rounds 1000-1200.
- Pediatric Simulation: Thursday mornings, 0800 - 0900 while on rotation
- PEM Subspecialty Simulation: half day sessions every 6 weeks incorporating multiple cases; sessions are either multidisciplinary with RN and RT involvement, or include the adult emergency medicine and CCFP(EM) residents.
- Trauma Rounds quarterly, as part of the Trauma Care Program (TCP)
- Emergency Medicine Rounds, Wednesday mornings, 1200-1300, QEII (may be included in curriculum, depending on topic and relevance). This is followed by Emergency Medicine half day which the fellow(s) is/are invited to attend.
- PEM Journal Club – every 6-8 weeks (will be expected to run several over duration of training) Journal Club has been incorporated into the weekly academic half-day schedule.
- PEM Morbidity and Mortality Rounds - every 6 weeks (will review cases for some meetings).
- Trauma MOMs quarterly.
- Quality and Operations committee every 12 weeks.



- **Frequently Asked Questions:**
- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - Yes
- What are the deadlines for application to this fellowship?
 - See CaRMS website as this fellowship requires a CaRMS match.
- What are the prerequisites?
 - Applicants for this program can enter after three years of training in Paediatrics or as either a fourth and sixth year of training or after 5 years of training in Adult Emergency Medicine.
- Is this enhanced competency available to CCFP(EM) graduates?
 - No
- How many residents are admitted per year?
 - 1
- What will my salary be?
 - Salary as per PGY level (see CaRMS website for salaries)

Contact details:

Program Director: Dr. Erin Killorn (erin.killorn@iwk.nshealth.ca)

Program Coordinator: Leigh Thibideau (leigh.thibideau@iwk.nshealth.ca)

Website:

<https://medicine.dal.ca/departments/department-sites/emergency/divisions/pediatric-emergency-medicine/education/postgraduate.html>



University of Ottawa Pediatric Emergency Medicine



uOttawa

This two-year subspecialty program prepares emergency physicians and pediatricians for a career with a major focus on pediatric emergencies. The program is administered through the Division of Emergency Medicine, Department of Paediatrics at the University of Ottawa. We are based at the Children's Hospital of Eastern Ontario (CHEO) which is the tertiary care and referral centre for the region of south-eastern Ontario and western Quebec, seeing around 70,000 pediatric patients in the emergency department each year. CHEO is the level one trauma centre for the region. This is a two-year Royal College of Physicians & Surgeons of Canada accredited program, and the resident will be eligible to write the PEM Subspecialty exam at the end of training.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o As per CaRMS subspecialty match deadlines; direct application to PD in case of single subspecialty 4th year - deadline of mid-January of same year
- What are the prerequisites?
 - o Application from Pediatric stream in R2 year; application from emergency medicine stream in R3 year for single year subspecialty and R4 year for completion of second year PEM for certification as R6
- Is this enhanced competency available to CCFP(EM) graduates?



- o No
- How many residents are admitted per year?
 - o 2 accepted each year (CaRMS subspecialty match), however if emergency medicine applying for subspecialty year in 4th year (of full 5 year RC program), would consider separate from general CaRMS match
- What will my salary be?
 - o Salary as per PGY level for Ontario (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes (depending on year of entry and performance in first 2 months)

Contact details:

Program Director: Dr. Sandy Tse (stse@cheo.on.ca); as of July 2017, Dr. Rini Jain (rjain@cheo.on.ca)

Program Administrator: Mr. Michael White (miwhite@cheo.on.ca)

Website:

http://www.emottawa.ca/eng/08-pediatric_emergency_medicine.html

McMaster University Concentration in Pediatric Emergency Medicine



The McMaster Concentration in Pediatric Emergency Medicine for FRCPC Emergency medicine trainees follows a minimum 6-block proposed timeframe. The basic structure is based on the McMaster Pediatric Emergency Medicine fellowship and adapted to meet the learning objectives of the individual learner while being able to scale to a 2-year fellowship fulfilling Royal College requirements to challenge the PEM exam.

Curriculum

Below is a proposed schema for the academic year – it is negotiable based on learner goals and objectives.

Pediatric Emergency Medicine	9 blocks
Anaesthesia	1 block
PICU/NICU	1 block
Child protection/sedation clinics*/POCUS	1 block
Elective	1 block

*Options for outpatient clinics to meet learning requirements as time permits (i.e. Dermatology, general paediatrics clinics, international electives, etc.)

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No
- What are the deadlines for application to this fellowship?
 - Available upon request
- Is this enhanced competency available to CCFP(EM) graduates?
 - No
- How many residents are admitted per year?
 - 1-2
- Are there any recent graduates I can contact for further information?
 - Available upon request
- What will my salary be?
 - Salary as per PGY level

Contact details:

Program Director: Dr. Quang Ngo (q.ngo@mcmaster.ca)

Website:

https://fhs.mcmaster.ca/pediatrics/subspecialty_training_programs.html

University of Western Ontario Paediatric Emergency Medicine



Training in Paediatric Emergency Medicine at the Children's Hospital, London Health Sciences Centre (LHSC) at Western University is a 2-year fellowship, designed to develop outstanding clinicians who will be successful in an academic career. The annual census of the Paediatric Emergency Department is approximately 37 000 patients, and they present with a wide range of medical and surgical emergencies.

A rigorous weekly academic half-day curriculum exists. Monthly sessions include didactic teaching on medical and surgical emergencies, multidisciplinary simulation sessions, journal club and a critical appraisal teaching curriculum. Morbidity and mortality case reviews are held quarterly. Opportunities are present to attend teaching sessions and Academic Half Days in related programs including General Emergency Medicine and Pediatric Critical Care.

Opportunities to participate in undergraduate, postgraduate, and community teaching sessions exist. Fellows are involved in weekly didactic and simulation teaching of residents rotating through the PED. Fellows with an interest in simulation are offered the opportunity to further develop debriefing skills and are able to participate as instructors for simulation sessions for medical students, pediatric residents and community outreach. We are also one of the few institutions that conduct both PALS and APLS courses in which fellows may serve as instructors.

Fellows are actively involved in the administrative components of the Pediatric Emergency Department. Fellows complete 16 shifts in the PED for core blocks and are allowed to self-schedule. Senior fellows will share the responsibility of scheduling residents rotating through the PED and teaching schedules. All our fellows have been members of the Postgraduate



Education Committee and are involved in the interview process for potential new fellows.

Curriculum

Western University's academic year consists of 13 four-week blocks; therefore, there are 13 blocks per year. For residents with a background in emergency medicine mandatory rotations include:

- First Year: Pediatric Emergency (7 blocks), NICU, Paediatric Anaesthesia, Paediatric CTU, Paediatric Orthopedic Surgery, elective, and research.
- Second Year: Paediatric Emergency (7 blocks), Plastic Surgery, PCCU, Toxicology, EMS/Disaster Planning, elective, and research.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - Yes
- What are the deadlines for application to this fellowship?
 - See CaRMS website as this fellowship requires a CaRMS match.
- What are the prerequisites?
 - Consistent with the Royal College's Subspecialty Training Requirements in PEM, candidates require Royal College certification in Paediatrics or Emergency Medicine or enrolment in a Royal College-approved training program in these areas. All candidates must be certified in their primary specialty to be eligible to write the Royal College certification examination in PEM.
- Is this enhanced competency available to CCFP(EM) graduates?
 - No
- How many residents are admitted per year?
 - 2
- Are there any recent graduates I can contact for further information?
 - Contact program directly for further information.
- What will my salary be?
 - Salary as per PGY level for Ontario

- Will I have the ability to moonlight?
 - Yes

Contact details:

Program Director: Dr. Gurinder Sangha (Gurinder.Sangha@lhsc.on.ca)

Program Administrator: Belle Smaill (belle.smaill@lhsc.on.ca)

Website:

http://www.schulich.uwo.ca/paediatrics/divisions/emergency_medicine.html

University of Manitoba Paediatric Emergency Medicine



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This is a two-year program that provides full training in Pediatric Emergency Medicine, encompassing the comprehensive acute health care of children of all ages and developmental levels, and including triage, stabilization, diagnosis, treatment, and follow-up care. Graduates of this program will have achieved the key competencies of the Pediatric Emergency Specialist in the areas of medical expert/clinical decision-maker, communicator, collaborator, manager, health advocate, scholar, and professional. Residents may enter the program following at least three years of Pediatric core training (Pediatric Stream).

An alternate stream of entry into the Pediatric Emergency Medicine program is available for residents who have completed three years in a recognized Emergency Medicine program. The program is modified with requirements for blocks in Neonatology, Pediatric ICU, and Ambulatory Paediatrics (including Child Protection).

Curriculum

All residents will undertake core training in Pediatric Emergency Medicine at the Children's Hospital Emergency Department. Residents will complete a minimum of 13 months of Pediatric Emergency Medicine. A minimum of 5 months per year will ensure graded exposure and responsibility. The suggested program design ensures that the rotations are spread evenly throughout the year to account for seasonal variation of illness and injury. They will be expected to have increasing responsibilities in patient management, teaching, and administration over the course of the residency. As they progress through the program, residents will be expected to teach undergraduate and postgraduate residents (formal seminars, informal case reviews, supervision of procedures and patient management) and ultimately to teach PALS and/or APLS to community providers.



Program Year	Content & Sequence of Rotations – Number of Months (or 4-week blocks)												
Period	1	2	3	4	5	6	7	8	9	10	11	12	13
1 st	PEM	EMS	ORT	ANE	RAD	TOX	RES	PEM	PEM	ELE	PEM	PEM	PICU* or ELE
2 nd	PEM	PLS	PEM	PEM	RES	PEM	PEM	ELE	ATR	PEM	AEM	PEM	PEM
Horizontal	ADM												

PEM – *Pediatric Emergency Medicine*

ANE – *Anesthesia*

AEM – *Adult Emergency Medicine*

ATR – *Adult Trauma*

RES – *Research*

PICU – *Pediatric Critical Care Medicine*

EMS – *EMS/Disaster Planning*

ORT – *Pediatric Orthopedics*

ELE – *Elective*

TOX – *Toxicology*

ADM – *Administration*

PLS – *Plastic Surgery*

RAD – *Pediatric Radiology*

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o See CaRMS website as this fellowship requires a CaRMS match.
- What are the prerequisites?
 - o Residents may enter the program following at least three years of Pediatric core training (Pediatric Stream). An alternate stream of entry into the Pediatric Emergency Medicine program is available for residents who have completed three years in a recognized Emergency Medicine program.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many residents are admitted per year?
 - o Variable
- Are there any recent graduates I can contact for further information?

- o Check out their website (below) and follow the links for current fellows
- What will my salary be?
 - o Salary as per PGY level for Manitoba (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Potentially, must be discussed on a case by case basis

Contact details:

Program Director: Dr. Bryan Magwood (Bryan.Magwood@umanitoba.ca)

Program Administrator: Ms. Jessica Dunlop
(jdunlop2@exchange.hsc.mb.ca)

Website:

http://umanitoba.ca/faculties/health_sciences/medicine/units/pediatrics/sections/PEM_MENU_welcome.html

University of British Columbia Pediatric Emergency Medicine



BC Children's Hospital offers a 2-year fellowship training program in Pediatric Emergency Medicine to qualified applicants who are interested in learning in a fun, supportive and enriching environment. We aim to attract and develop highly motivated, intelligent, and exceptional fellows who will become leaders in the field of Pediatric Emergency Medicine.

BC Children's Hospital is situated in beautiful Vancouver, Canada, one of the most vibrant and active cities in the world. Known for its stunning scenery and landscape, Vancouver provides the perfect backdrop for fellowship training in Pediatric Emergency Medicine. The hospital is the tertiary care pediatric referral facility for the province of British Columbia and the Yukon Territory and offers the whole spectrum of subspecialty services including a pediatric intensive care unit and a specialized pediatric transport service. It is also a Level 1 Pediatric Trauma centre. The emergency room cares for a variety of pediatric complaints, seeing over 45,000 children per year.

Curriculum

Year 1		Year 2	
Pediatric EM	7	Pediatric EM	6
Orthopedics	1	Radiology	0.5
NERD ¹	1	Pre-Hospital Care	0.5
Adult EM	1	PICU	1
Plastic Surgery	1	Toxicology	1
Pediatric Anaesthesia	1	Research	1
Elective	1	Trauma	1
Administration ²	0.5	Elective	2

1 – Novel Education in Research and Design

2 – Administration block longitudinal over 2 year fellowship



Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes
- What are the deadlines for application to this fellowship?
 - o See CaRMS website as this fellowship requires a CaRMS match.
- What are the prerequisites?
 - o 3 years of a Royal College Emergency Medicine or Paediatrics program prior to commencing fellowship.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many residents are admitted per year?
 - o 1-2
- Are there any recent graduates I can contact for further information?
 - o Dr. Pavan Judge (pavan.judge@cw.bc.ca)
 - o Dr. Badri Narayna (bnarayan@ehcnet.phsa.ca)
- What will my salary be?
 - o Salary as per PGY level for British Columbia (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director: Dr. Vikram Sabhaney (vsabhaney@cw.bc.ca)



Program Administrator: Ms. Rhea Ignacio (rhea.ignacio@cw.bc.ca)

Website:

<http://emergency.med.ubc.ca/education/pediatric-em-fellowship/>



RESUSCITATION

Queen's Resuscitation and Reanimation Medicine



The fellowship has been in existence since 2008. Students experience a woven curriculum with three arms: The Science of Resuscitation Medicine; Medical Education and Simulation; and Leadership and Crisis Resource Management.

The fellowship in Resuscitation and Reanimation was created to develop trainees as experts in resuscitation. There is a significant amount of additional reading and group learning work. It is not intended as a remedial program; successful graduates have been hard working, internally motivated, and work well in a team. They complete the program with a deeper understanding of resuscitation medicine, a greater confidence as clinicians and educators, and a great group of friends who share their passion for advancing resuscitation medicine.

Curriculum

Resuscitation Fellows gain clinical experience as members of the hospital critical care response team, code blue team, as captain of the hospital's trauma team, and through opportunities to participate in tele-resuscitation. There are weekly academic half-days, monthly journal club, and quarterly book club meetings. Fellows spend a significant amount of time in the simulation lab, both as learner and educator. Each year fellows organize and host a CME event. To ensure that residents continue to progress in their training program they will also participate in the Emergency Medicine academic half-day and will do shifts in the emergency department.

Curriculum



Rotation breakdown include: Emergency, Critical care response team, Trauma, Critical care, Echo, Research and Elective time.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No
- What are the deadlines for application to this fellowship?
 - o Applicants are accepted in two rounds. The first deadline for submission is October 31st, 2017. First round applicants will be notified by December 15th. If there are remaining positions, the second deadline for submission is March 1st, 2018 with notification by April 15th.
- What are the prerequisites?
 - o Canadian residents: Fellows are usually in their 4th year of a 5-year emergency medicine residency program. We also invite applications from residents in other programs, including internal medicine.
 - o Late-entry applicants: We welcome applications from physicians who have already been in practice and are interested in pursuing the fellowship.
 - o International applicants: Fellows have generally completed their specialty certification in their home country by the start of the fellowship program
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes
- How many residents are admitted per year?
 - o Up to 7

- Are there any recent graduates I can contact for further information?
 - o Dr. Heather White 8hpl1@queensu.ca
 - o Dr. Carly Hagel carly.hagel@gmail.com
- What will my salary be?
 - o Salary and stipends as per PGY level for Ontario (see PARO website for salaries)
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director: Dr. Adam Szulewski (aszulewski@qmed.ca)



Program Administrator: Mary Lee
(leem@kgh.kari.net)

Website:

<http://resuscitationinstitute.org/fellowship/>

University of British Columbia



The primary goal of this program is to equip its trainees with key skills that will make them highly effective leaders in centres that resuscitate and provide care for critically-ill patients. Specifically, potential core program elements include: Core educational curriculum through the Resuscitation Leadership Academy (RLA), advanced training in bedside echocardiography, longitudinal emergency medicine shifts and academic activities, longitudinal ICU shifts, teaching ICU residents on resuscitation topics, and a scholarly project.

Curriculum

Educational Curriculum: 12-month curriculum through the Resuscitation Leadership Academy. At the beginning of each month, Resuscitation Fellow will receive video content to view online, as well as assignments for additional reading and viewing materials, which will be the focus for the month. Weekly attendance to UBC Emergency Medicine rounds. Scholarly project would be completed by the end of the year. Rotations include, and are not limited to Emergency Medicine, Echocardiography, Trauma, and ICU.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No
- What are the deadlines for application to this fellowship?
 - o Discuss with program director as soon as interested.
- What are the prerequisites?



- o Must have completed an ICU rotation as R3 and be in good standing within program (with moonlighting license signed off by own PD)
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes
- How many residents are admitted per year?
 - o 1
- Are there any recent graduates I can contact for further information?
 - o Dr. Jeff Yoo (Jeffhyoo@gmail.com)
- What will my salary be?
 - o Salary as per PGY level for British Columbia (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director: Dr. David Sweet (ddsweet@mail.ubc.ca)

SIMULATION

University of Toronto



The use and proliferation of simulation-based education in emergency medicine is ever expanding, yet there are few formal opportunities for emergency medicine trainees to gain robust exposure to and understanding of the practical, theoretical and scholarly underpinnings of simulation-based medical education. Additionally, there is a dearth of critical care training for emergency medicine residents after their junior resident training. The SHRED longitudinal experience concept was therefore developed with two goals in mind: To provide comprehensive, longitudinal and systematically-derived exposure to the theory, practice and scholarship of simulation-based medical education & To enhance the quality, breadth and duration of exposure to areas of resuscitation and critical care for the senior emergency medicine resident.

Simulation excels in particular at training for rare, complex or high-acuity events – there is therefore an intuitive synergy between the development of advanced simulation training and resuscitation/critical care. This enhanced competency is designed for fourth year emergency medicine residents, and is meant to provide both a fixed structure for the development of core simulation scholarship skills as well as flexibility to explore both academic and clinical areas of interest. At the end of the experience, participants will be equipped with the requisite theoretical and practical tools to succeed as a simulation educator and investigator. The enhanced competency aims to achieve this through a blend of immersive practical instruction, longitudinal coached case development and peer review, and theoretical instruction by way of a curated reading course with the elective director.

In an effort to broaden both clinical and academic exposure, we partnered with McMaster University (via EMSimCases.com), Ornge Air



Ambulance, and Toronto East General Hospital Department of Critical Care.

Curriculum

The longitudinal experience runs 6 to 12 months.

Simulation rotations include a Longitudinal Coached Case Development (LCCD) where for each month of clinical work throughout the year, residents will develop one structured simulation case relevant to the medical content throughout of that rotation. All residents will complete the four-week month Allan Waters Family Simulation Centre Elective at the start of their year where they will attend daily sessions in the simulation centre, learn about the setup, design, operation and execution of a variety of simulation-based learning techniques, and gain an appreciation for the various operational and administrative roles of simulation centre staff members. The month is broken up into four one-week blocks, with the final week focusing on “putting it all together” by running a full-scale simulation session and completing a self-reflection exercise.

Residents will submit a proposal as part of their application. Based on this proposal, residents will undertake longitudinal project work throughout the year, along with 1 month of focused project work, which will include weekly meetings with project supervisor. The scholarly output is expected to be of sufficient rigor and quality for submission to a national conference on simulation education (Royal College Simulation Summit, SIM-One Simulation Expo, ICRE, etc.).

Residents will complete a longitudinal reading course curated by the elective director, allowing for special sessions in an enhanced competency with local experts. Each month, the elective resident will be assigned a reading list of 8-10 journal articles or book chapters related to simulation-based education and scholarship (e.g. feedback, assessment, non-technical skills training, perception/memory/learning, etc.). They will be

expected to submit a one-page critique summarizing the readings and demonstrating analysis and synthesis of the content. The critique will form the basis for a one-on-one conversation about the reading material with the elective director at the end of each month.

Resuscitation clinical rotations will span several Toronto based experiences unit including: Toronto general hospital ICU, St Michael's Hospital Trauma-Neuro Intensive Care Unit (TNICU), St Michael's Hospital Trauma Team Leader shifts, Transport Medicine, Ornge Air Ambulance, Anaesthesia an Advanced Airway Training, Sunnybrook Point of Care Ultrasound and Core Emergency Medicine.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No
- What are the deadlines for application to this fellowship?
 - o The application deadline is November 1st of PGY 3 year.
- What are the prerequisites?
 - o Successful completion of PGY-1, 2, 3 years of FRCP-EM training program or equivalent.
 - o When applying, residents will be expected to provide a research project plan to explore in depth an area of academic interest within simulation education.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many fellows are admitted per year?
 - o Variable

- Are there any recent graduates I can contact for further information?
 - o Alia Dharamsi (alia.dharamsi@gmail.com)
- What will my salary be?
 - o University of Toronto PGY4 salary
 - o \$1000 for academic conferences
- Will I have the ability to moonlight?
 - o Yes, if candidate has a general license

Contact details:

Program Director Chris Hicks (chrismikehicks@gmail.com)



University of Ottawa Simulation Fellowship



uOttawa

The DEM offers a 1-year Fellowship in Simulation to self-funded postgraduate trainees in an Emergency Medicine program. The Fellowship would be of interest to physicians who would like to plan a career as a clinician educator with a focus on simulation-based education. The Fellowship program partners with the University of Ottawa AIME program (Academy for Innovation in Medication Education).

Curriculum

The Fellowship year consists of:

- Didactic sessions in medical education and simulation-based education
- Leading and debriefing simulation sessions
- Planning educational programs and curriculum for simulation
- Conducting simulation-based educational research
- Clinical ED shifts to maintain clinical skills

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No

Contact details:

Program Director: Dr. Brian Weitzman (brian.weitzman@sympatico.ca)

Program Administrator: Ms. Stephanie Verhey (sverhey@toh.on.ca)



Website:

http://www.emottawa.ca/eng/08-simulation_fellowship.html

KidSIM Fellowship in Simulation Education and Research - University of Calgary



The KidSIM Pediatric Simulation Program at the Alberta Children's Hospital is a Royal College accredited program offering 1-2 Fellowship positions each year. The overall aim of this fellowship is to initiate the process of preparing the candidate for an academic career as a clinician educator, with advanced knowledge and skill in the delivery of simulation-based education and research. A minimum of one year commitment to the Fellowship is required.

The program will include both:

- Training and mentorship in simulation-based curriculum development, teaching, and learning.
- Designing and conducting of innovative simulation-based research relevant to the field of health professional education and practice.

Website: www.kidsim.ca/fellowship.html

Program Directors:

Dr. Vincent Grant (vincent.grant@albertahealthservices.ca)

Dr. Adam Cheng (adam.cheng@albertahealthservices.ca)

E-mail: info@KidSIM.ca

Frequently Asked Questions

Is this program/curriculum certified by the Royal College?

Yes

Are there any application deadlines?

November 30, for July 1 start of the following year.



Are there any prerequisites?

Enrollment in a Master of Education degree or PhD is strongly recommended and will be viewed favorably, but is not an absolute requirement.

SPORTS AND EXERCISE MEDICINE

McMaster University Sports Medicine Diploma



The goals of the third-year primary care sports medicine fellowship at McMaster University are to provide candidates with a supplemental year of training in primary care sports medicine. This fellowship is designed to prepare candidates to write the Canadian Academy of Sport Medicine Diploma in Sport Medicine examination. Sports and exercise medicine is a dynamic and expanding focused practice that provides candidates with skills to effectively manage injuries and medical conditions related to exercise and sport. This includes acquiring unique and essential knowledge and skills pertaining to the musculoskeletal system, general medicine, exercise physiology, orthopedics, paediatrics, nutrition, geriatrics, women's health, prosthetics and orthotics, health promotion and prevention issues. The program will prepare the fellow to incorporate best practices in sports and exercise medicine in clinical, educational and research settings. The training also provides experiences working with elite athletes.

After completing the fellowship year, candidates should be prepared to:

- Successfully complete the Diploma in Sport & Exercise Medicine examination
- Act as a resource in their community for sports and exercise medicine assessment and treatment of exercise related injuries
- Provide expertise in planning and organization of sporting or athletic events
- Act as an advocate for promoting a healthy lifestyle through safe participation in exercise and sport

Curriculum

- Primary Care Sports Medicine Clinics: Ten (10) months full- time experience in an approved sports medicine clinic supervised by a Dip. Sport Med physician during these rotations.



- Rotations also include Electives, radiology rotations, and field coverage for at least one varsity team.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No
- What are the deadlines for application to this fellowship?
 - Available upon request
- What are the prerequisites?
 - CCFP(EM) Candidates must have completed post-graduate training in Family Medicine prior to commencing the fellowship. In addition, it is recommended that applicants possess current certification in ACLS and ATLS. Other applicants i.e. FRCPC residents are encouraged to contact the PD to discuss further.
- Is this enhanced competency available to CCFP(EM) graduates?
 - Yes (via CARMS match)
- How many residents are admitted per year?
 - 1-2
- Are there any recent graduates I can contact for further information?
 - Dr. Jennifer Thompson (Jennifer.thompson@medportal.ca)
- What will my salary be?
 - Varies
- Will I have the ability to moonlight?
 - Yes, ED Shift requirement during fellowship varies by program (usually 6-8 per month)

Contact details:

Program Director: Dr. Wade Elliott (esmmd@outlook.com), Dr. David Levy (dksportsmed@sympatico.ca), Dr. Trevor Hall (thall@grsm.ca)

Program Administrator: Sheila Murphy (murphy4@mcmaster.ca)

Website:



[_https://fammedmcmaster.ca/education/postgraduate/enhanced-skills/](https://fammedmcmaster.ca/education/postgraduate/enhanced-skills/)

University of Western Ontario Sports and Exercise Medicine Enhanced Skills Year/Fellowship



The purpose of the Fowler Kennedy Sport Medicine Enhanced Skills Year / Fellowship is to provide a high quality educational and research experience for residents who want to focus their practice on sports and exercise medicine. The program is designed to train physicians to be knowledgeable in the multiple facets of sports and exercise medicine and has been structured to provide a broad variety of experiences. The curriculum is a flexible program, which has been designed to meet the needs of the individual residents while serving their various responsibilities.

Curriculum

The resident will be scheduled to work with the Primary Care Physicians as well as be scheduled with their own patients as the year progresses, under the supervision of a full-time Physician. The Resident will also be involved with the Orthopedic Clinics related to sport/activity injuries referred from the Primary Care area. This will give the Fellow an understanding of the process from initial visit and preliminary treatment to the surgical intervention when required. There will also be time to spend in the physiotherapy area to gain a greater understanding of the non-surgical management of sport and activity related injuries. Other components include educational time spent with Hand & Upper Limb Clinics, Paediatric Orthopaedics, Radiology and our other locations in the community.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No
- What are the deadlines for application to this fellowship?
 - October 6, 2017
- Is this enhanced competency available to CCFP(EM) graduates?



- Yes
- How many residents are admitted per year?
 - 1
- What will my salary be?
 - Salary as per PGY level for Ontario (see PARO website for salaries)
- Will I have the ability to moonlight?
 - Yes

Contact details:

Program Director: Dr. Lisa K. Fischer (lfischer@uwo.ca)

Program Administrator: Kristen Elston (kelston@uwo.ca)

Website:

<http://www.fowlerkennedy.com/health-care-professionals/fellowships/sport-and-exercise-medicine/>

University of Manitoba Sports Medicine Diploma



UNIVERSITY
OF MANITOBA

Through this popular program, you will develop skills in primary care sports medicine by working with other family physicians in this field, supplemented with exposure to specialty clinics. You will also gain experience through exposure to the wide range of sports medicine-related fields such as physical rehab, rheumatology, spine service, and others. This program incorporates optimal practices for musculoskeletal and sports medicine in clinical, educational, and research settings.

Curriculum

Total 13 Blocks = 52 Weeks

- Athletic Therapy / Physiotherapy / Sport Bracing and Casting (1 block)
- Geriatrics (0.5 block)
- Imaging (1.5 blocks)
- Orthopaedics (2 blocks)
- Pain Clinic (1 block)
- Paediatrics and Pediatric Orthopaedics (1.5 blocks)
- Physical Rehab Medicine (1 block)
- Primary Care Sports Medicine (ongoing)
- Research (ongoing)
- Rheumatology (0.5 block)
- Spinal Surgery / Spine Service Clinics (1 block with call)
- Sport Nutrition, Sport Psychology, Exercise Physiology (1 block)
- Vacation/Research (1 block total; taken 0.5 blocks concomitantly)
- Women's Health (1 block)
- Worker's Compensation Board

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?



- o No, but you will receive a diploma from the University of Manitoba and can also apply for the Certificate of Added Competence in Sport and Exercise Medicine from the College of Family Physicians of Canada in successful completion of the fellowship
- What are the deadlines for application to this program?
 - o The deadline for submission is October 31 of each year.
- What are the prerequisites?
 - o You must be registered and in good standing with the College of Physicians and Surgeons of Manitoba.
 - o You have completed or are in the process of completing a two-year family medicine residency or equivalent.
 - o You have current ACLS certification.
 - o It is preferred that you have CCFP(EM) designation at the time of application, but it is not mandatory.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes, in fact this program makes it clear that it is designed for family physicians and that Royal College emergency medicine residents are not eligible
- How many residents are admitted per year?
 - o 1
- What will my salary be?
 - o Salary as per PGY level for Manitoba (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes, but needs to be discussed with program director

Contact details:

Program Director: Dr. Hein Peters (hpeters1@panamclinic.com)



Program Administrator: Ms. Dana Peteleski (dpeteleski@panamclinic.com)

Website:

http://umanitoba.ca/faculties/health_sciences/medicine/units/family_medicine/8303.html

<http://www.panamclinic.org/medical-professionals/fellowships/primary-care-sport-exercise-medicine-fellowship>



University of British Columbia Sports Medicine Diploma



The Allan McGavin Sports Medicine Centre at the University of British Columbia offer a primary care sports and exercise medicine year of training. This is a comprehensive training program to create expertise in the assessment, management and ultimately prevention of sport and exercise concerns. The endpoint is the creation of community leaders in this relatively new area of medicine. There are one or two positions per year.

Curriculum

- Orthopaedics (2 blocks)
- Paediatrics and Pediatric Orthopaedics (1 – 1.5 blocks)
- Physiatry/Rehab Medicine (1 – 1.5 blocks)
- Diagnostic Imaging (1.5 blocks)
- Rheumatology (0.5 – 0.75 block)
- Exercise Medicine – Testing & Prescription (2 blocks)
- interprofessional Care (0.75 – 1 block)
- Sport Psychology (0.5 – 0.75 block)
- Research – ongoing
- Event Coverage – ongoing

Week to week schedule: 2 days at Allan McGavin Sports Medicine Centre, 5 days in focused rotations in different areas as outlined, half day UBC Student Health Services

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No, but you will receive a CASEM diploma in sports medicine
- What are the deadlines for application to this fellowship?



- o October 15 the year before July 1 start
- What are the prerequisites?
 - o Completion of family medicine residency or PGY-3 of specialty residency
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes
- How many residents are admitted per year?
 - o 2
- Are there any recent graduates I can contact for further information?
 - o Dr. Laura Chng (laurachng@gmail.com)
- What will my salary be?
 - o Salary as per PGY level for British Columbia (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director: Dr. Rob Lloyd-Smith (rob.lloyd-smith@ubc.ca)

Program Administrator: Ms. Nancy McLaren

Website:

<http://sportsmedicine.med.ubc.ca/education/fellowships/>



TRAUMA

University of Toronto Trauma Experience



There are two trauma centers in Toronto that offer **electives** with trauma team experience and exposure to sub TTL. The trauma centers are Sunnybrook Health Sciences Centre and St Michael's hospital.

Sunnybrook Health Sciences Center

Sunnybrook's Trauma, Emergency & Critical Care (TECC) Program is the largest single-site critical care resource in Ontario and home to Canada's first and largest regional trauma centre. Patients arrive by land and air ambulance from over 80 referring hospitals around the province.

St Michael's Hospital

The Trauma Program at St. Michael's Hospital was established in 1992 with the regionalization of trauma care in the city of Toronto. The trauma team is composed of multidisciplinary specialists and services including; the blood bank, sophisticated medical imaging department and operating rooms immediately available to attend to patients 24/7. The Allan T. Lambert Trauma and Neurosurgery Intensive Care Unit (TNICU) always has a bed ready to receive a critically ill trauma patient.

Interested applicants can contact the sites for setting up electives.

Curriculum

Sunnybrook Health Sciences Center

Trauma Team electives may be available for residents.



St Michael's Hospital

One month ED-TTL electives. These are generally reserved for emergency FRCP residents, Peds-EM residents from U of T, CCFP(EM) residents, and SEME residents. These involve a mix of ED shifts and sub-TTL call. There is no Trauma team component (TACs) to these electives.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No, these are self-organized electives
- What are the deadlines for application to this fellowship?
 - o Electives can be requested during any time of the year.

Staff Contact details:

St Michael's Hospital

Administrative

assistant: emergadmin@smh.com

Sunnybrook Health Sciences Center

University of Toronto administration

general email:

division.em@utoronto.ca



McGill University Trauma Fellowship



McGill's Trauma Fellowship for Emergency Physicians is a one year fellowship program (with an optional second year) that allows you to develop expertise in managing major trauma patients, both blunt and penetrating. During the year, you will take charge of a multi-disciplinary team through all the phases of the patient's hospital stay, with a focus on the initial resuscitation. The program not only gives exposure in the Emergency department resuscitation area, but also in the operating room, from both the surgical and the anaesthesia sides, and follow through in the intensive care and on the trauma ward. Fellows will be working closely with our group of Trauma Team Leaders made up of emergency specialists, trauma surgeons and anesthesiologists.

Fellows will develop skills in interpreting trauma related imaging especially with ultrasound and computed tomography. As well, fellows will also learn about trauma systems, data collection, and analysis, have opportunities to do research, and present your work at major north American trauma or emergency conferences.

Curriculum

One Year Program based on 13 four week periods

- 5 rotations as TTL
- 1 pediatric trauma rotation
- 1 airway/ trauma anaesthesia rotation

(focusing on fiberoptic techniques)

- 1 Trauma Administration rotation: focusing on Trauma Registries, Trauma Systems (provincial and world-wide) and Pre-hospital aspects



- 2 periods in SICU
- 1 advanced ultrasound rotation (focusing on advanced echo and critical care echo)
- 1 trauma rotation abroad (USA or South Africa) one trauma rotation abroad (USA or South Africa)
- 1 elective one trauma rotation abroad (USA or South Africa)
- Longitudinal radiology, focusing on developing an approach to interpreting trauma CTs.
- Longitudinal Trauma Clinics for follow up

There will be additional academic/scholarly activities: and presentations

- Core interactive text review
- Weekly trauma rounds
- Journal club
- Emergency academic rounds
- Emergency journal club
- Trauma Service Academic Rounds
-

Frequently Asked Questions

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - Yes
- How long is the program?
 - One year (with optional second year)
- What are the deadlines for application to this fellowship?
 - September 1st of PGY3
- What are the prerequisites?
 - Open to graduates of Royal College Emergency Medicine Programs
- How many fellows are admitted per year?



- o One
- Will I have the ability to moonlight?
 - o Yes, if candidate has a general license

Staff Contact details:

Ms. Dolly Rabbath, Fellowships Administrator, pgfellows.med@mcgill.ca

Website:

<https://www.mcgill.ca/emergency/programs/trauma-fellowship>

McMaster University Trauma Clinical Fellowship



The goal of the of Trauma Clinical fellowship is to train the fellows to be Trauma Team Leaders with competence to manage all aspects of acutely injured patients. Fellows will develop proficiency in the management of acutely injured patients and the ability to triage patients. Engage in the acute and ongoing management of severely injured patients. Demonstrate the use of appropriate resuscitation for patients in shock using evidence-based guidelines and appropriate technology. Develop skills in the management of critically ill brain injured patients including management of intracranial hypertension. Demonstrate an understanding of management of blunt and penetrating traumas. Become familiar with the use of auto transfusion, use of massive transfusion as well as assessment of coagulation status and use of component therapy. Supervise and perform procedures like chest tubes, pigtail and central line catheterization.

Curriculum

The fellow will participate in a variety of activities which include:

- Independently assess and resuscitate the severely injured
- Prioritize management of the severely injured patients
- Lead a multidisciplinary trauma team
- Manage the patients during their hospital stay in regular ward, step down unit and ICU
- Participate in undergraduate, graduate and other educational activities
- Participate and present in ground rounds and half day activity
- Participate and present in morbidity and mortality rounds
- Conduct at least one research per year

Frequently Asked Questions:



- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No
- What are the deadlines for application to this fellowship?
 - Contact program for further information
- What are the prerequisites?
 - Contact program for further information
- Is this enhanced competency available to CCFP(EM) graduates?
 - No
- How long does the program take to complete?
 - 12-month commitment, may be extended for an additional year depending on objectives.
- Are there any recent graduates I can contact for further information?
 - Contact program for further information
- Will I have the ability to moonlight?
 - Yes

Contact details:

Program Director: Dr. Paul Engels (engelsp@mcmaster.ca)

Program Administrator: Colleen Wilson (willsoc@mcmaster.ca)

Website:

<https://fhs.mcmaster.ca/postgrad/TraumaFellowship.html>



University of British Columbia Trauma Fellowship



The goal of the trauma team fellow will be to obtain consultant level knowledge and experience in all aspects of the care of trauma patients. The year of added competency is based at Royal Columbian Hospital in New Westminster, BC. There will be clinical evaluations during each block completed by the supervising Trauma Team Leader and 3-4 review meetings with the TTL fellowship supervisor for a more in depth review of progress.

Curriculum

- 5 Adult TTL rotations
- 5 Emergency medicine rotations – with a trauma focus
- 1 Trauma/Emergency Radiology rotation
- 1 Elective (International trauma rotation)
- Longitudinal trauma clinic
- Longitudinal trauma admin
- Longitudinal pediatric trauma experience (TTL call, simulation, education at BC Children's Hospital)



Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No
- What are the deadlines for application to this fellowship?
 - o As early as possible; rolling admissions.
- What are the prerequisites?
 - o Minimum PGY-4 or equivalent
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Potentially, post-completion of emergency medicine year.
- How many residents are admitted per year?
 - o 1-2
- Are there any recent graduates I can contact for further information?
 - o Dr. John Taylor (john.au.taylor@gmail.com)
- What will my salary be?
 - o Salary as per PGY level for British Columbia (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - o Yes

Contact details:

Program Director: Dr. Joe Haegert (haegertj@shaw.ca)

Program Administrator: Ms. Lisa Constable (Lisa.Constable@fraserhealth.ca)



TOXICOLOGY

University of Toronto Toxicology Fellowship



The University of Toronto's Division of Clinical Pharmacology and Toxicology is one of only a handful of such programs in North America. Division members, many of them cross-appointed with other divisions, are actively engaged in research, teaching and the provision of clinical care, principally in the fields of adverse drug reactions/drug safety and acute-care toxicology. At present, these activities are concentrated at Sunnybrook Health Sciences Centre and the Hospital for Sick Children, but the division is committed to growing its presence at other sites in the years ahead.

Curriculum

The number and structure of rotations can be altered depending on the learning objectives of the individual fellow including elective rotations. Electives include but are not limited to toxicology, clinical pharmacology, pediatric clinical pharmacology, dermatology, addictions, pharmacogenomics, public health, forensic pathology, coroner's, etc. The fellowship is done through the Ontario Poison Centre located at Sick Kids hospital, other locations depend on the rotation being done typically in Toronto. It is expected that one research project is completed over the two years. Administrative responsibilities are for the Chief fellows who organize academic activities for the year. The usual length of the fellowship is 2 years.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Yes



- What are the deadlines for application to this fellowship?
 - o CARMs deadline for medicine fellowship match
- What are the prerequisites?
 - o This fellowship is currently designed as a post-licensure experience; the first year can be started in the PGY-4 year.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many fellows are admitted per year?
 - o Varies depending on the number of applicants
- What will my salary be?
 - o University of Toronto fellow standard salary
- Will I have the ability to moonlight?
 - o Yes, if candidate has a general license

Contact details:

Program Director: Dr. Margaret Thompson
(margaret.thompson@sickkids.ca)

Program admin: Donna Tedesco (donna.tedesco@sickkids.ca)

Website:

<http://www.deptmedicine.utoronto.ca/clinical-pharmacology-and-toxicology>



Clinical Pharmacology and Toxicology - University of Calgary



Calgary is now officially home to the 4th Royal College Clinical Pharmacology and Toxicology (CPT) residency program in the country, and the first in Western Canada.

The residency is two years in duration and accepts applicants from Emergency Medicine, Internal Medicine, Paediatrics, Psychiatry, or Anesthesia. One resident is selected each year through the CaRMS Medicine Subspecialty Match.

Emergency Medicine residents must have completed 3 years of their program before starting the CPT program. Residents can do their PGY4 year in CPT, PGY5 in EM, and PGY6 in CPT.

The program will have a focus on acute and intensive care toxicology, with care taken to balance rotations such that residents will be able to sit and pass the Royal College CPT exam as well. Rotations include Medical Toxicology at PADIS, Hypertension, Vascular risk reduction, Thrombosis/Anticoagulation, Hemodialysis, Addiction, Lab Medicine, and others.

Website:

<https://cumming.ucalgary.ca/ermedicine/programs/cpt>

CaRMS program information:

<https://www.carms.ca/match/msm/program-descriptions/>

Program Director: Dr. Scott Lucyk

Email: slucyk@gmail.com

Phone: 403-944-6900 or 403-910-4397



Frequently Asked Question

Is this program/curriculum certified by the Royal College?

Yes

Are there any application deadlines?

The deadlines for application vary slightly each year and can be found on the CaRMS website. Deadline for submission is typically in August with interviews in late September or early October.

Are there any prerequisites?

Applicants must have completed 3 years of Emergency Medicine training.

Is this route/program available to CCFP-EM residents?

No

How many resident are admitted each year?

1

ULTRASOUND

University of Toronto Ultrasound Fellowship



The purpose of this fellowship is to prepare emergency physicians to be leaders in the field of emergency ultrasound. Fellowship training focuses on developing expertise in advanced ultrasound techniques, administration and QA, educational leadership, and academic scholarship.

Curriculum

The point-of-care ultrasound fellowship is designed to be a 12-month commitment (preferred). Residents who wish to combine a six-month ultrasound fellowship with another subspecialty activity will be considered on a case-by-case basis. The majority of training occurs at Sunnybrook Health Sciences Centre, with some elective time spent at the Hospital for Sick Children (peds ultrasound) and the Holland Institute (regional anaesthesia).

Some of the advantages of the program include: Directly supervised scanning shifts with fellowship director every week; flipped classroom model – lectures are reviewed online to maximize scanning time; Transesophageal (TEE) and endocavitary training and equipment; Structured advanced curriculum with weekly 'deep dive' topics; Weekly QA and journal club with fellowship faculty; Formative mid-year and final examinations to ensure meeting objectives.

The point-of-care ultrasound fellowship combines clinical emergency medicine with ultrasound-specific activities. In general, the ultrasound fellows will divide their time as follows:

- 70% of time: point-of-care ultrasound training, education, administration, and academic projects.



- 30% of time: working clinical shifts in the Emergency Department (2 shifts per week).
- 1 academic project under the supervision of our faculty, plus 1 case report.
- The usual week consists of 3 scanning shifts per week, weekly journal club, and weekly image review.

Opportunities exist for additional training and experience in specific areas. These include (but are not limited to):

- Echocardiography including TEE
- Trauma
- Prehospital ultrasound (including air transport)
- Regional anaesthesia

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Will likely be eligible for a Royal College Area of Focused Competence (diploma)
- What are the deadlines for application to this fellowship?
 - o The application deadline is October 31
- What are the prerequisites?
 - o Physicians with board certification in Emergency Medicine (FRCP-EM, CCFP(EM), ABEM) or who will be board-certified at the time of the anticipated start date of the fellowship
 - o Emergency medicine residents in a subspecialty year of an FRCP program

- o Demonstrated interest in point-of-care ultrasound, IP certification preferred
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes
- How many fellows are admitted per year?
 - o We accept a maximum of two fellows per year.
- What will my salary be?
 - o University of Toronto PGY4 or fellow salary
- Will I have the ability to moonlight?
 - o Yes, if candidate has a general license

Contact details:

Program Director Jordan Chenkin MD MEd FRCPC
(Jordan.chenkin@utoronto.ca)

Website:

<http://pocutoronto.com/fellowship.html>



McGill University Ultrasound Fellowship



The McGill emergency ultrasound fellowship is an intensive 1-year program, dedicated to teaching core and advanced point of care ultrasound applications. The goal is to develop future national and international leaders in both clinical and academic point of care ultrasound. Based at the Jewish General hospital, the busiest adult ED in the province, the fellow will have access to his/her own ultrasound unit (Philips Sparq) for both clinical as well as teaching responsibilities. In 2016, over 13,000 POCUS exams were performed in the ED. Along with a very high acuity and varied pathology, the fellow will have a significant exposure to POCUS.

The fellow will be responsible for one-on-one teaching of both basic and advanced ultrasound techniques to residents rotating at the JGH ED. He/She will be act as instructor for the annual ePOCUS course given to EM, Family Medicine, and Intensive Care residents. The fellow will also be responsible for presenting cutting edge material both during academic half day as well as journal club. Finally, it is expected that the fellow will supervise residents undertaking POCUS electives and research at the JGH.

With a dedicated and active research department in the ED, there is a strong emphasis on performing, presenting and publishing POCUS-based research by the end of the year.

Curriculum

The curriculum is based on 13 four-week rotations. 11 rotations in the JGH ED. Approximately 8 clinical shifts per rotation. The fellow will act as a senior supervisor to residents rotating in the ED. The fellow will be scheduled to work alongside teaching faculty who are CPoCUS Independent Practitioners (formerly CEUS). Topics include cardiac (diatology, RV, valve



pathology, wall motion), ePOCUS, biliary, renal, MSK, nerve blocks and abdominal.

Frequently Asked Questions

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - No
- What are the prerequisites?
 - Applicants for this program can enter after three years of training in Paediatrics or as either a fourth and sixth year of training or after 5 years of training in Adult Emergency Medicine.
- Is this enhanced competency available to CCFP(EM) graduates?
 - yes
- How many residents are admitted per year?
 - 1
- What will my salary be?
 - Salary as per PGY level (see CaRMS website for salaries)

Contact details: Dr. Joel Turner, Ultrasound Fellowship Director,
joel.turner@mcgill.ca

Website:

<https://www.mcgill.ca/emergency/programs/ultrasound-fellowship>



University of Ottawa Ultrasound Fellowship



uOttawa

The objective of the program is to provide leaders and directors of Emergency Medicine Ultrasonography programs nationally and internationally. Experience will be obtained in clinical sonography, teaching, administration, and research.

Curriculum

Weekly POCUS sessions. 8 clinical shifts per month; integrated with supervised scanning

Electives: Echo, Gyne, ICU rotation, Paediatrics

Major project in areas of clinical, education, or administration research.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No. Plans to undergo accreditation by RCPSC to offer diploma. May be eligible to sit APCA exams.
- What are the deadlines for application to this fellowship?
 - o Last Wednesday in September.
- What are the prerequisites?
 - o Core POCUS applications; Desire to be leader and expert in POCUS
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes, if graduates (not in 3rd year)

- How many residents are admitted per year?
 - o 1-4
- What will my salary be?
 - o Salary as per home school (see CARMS website); if independently licensed commensurate with experience
- Will I have the ability to moonlight?
 - o Case by case basis; need approval from own PD and Fellowship PD

Contact details:

Program Director: Dr. Michael Woo (mwoo@toh.ca)

Program Administrator: Ms. Josiane Beausoleil (jbeausoleil@toh.ca)

Website:

http://www.emottawa.ca/eng/08-mini_fellowship_point_care_ultrasonography.html

University of Calgary Ultrasound Fellowship



Our training program in POCUS is ideally suited for FRCP residents during the latter stages of their training. The focus for trainees is to become highly skilled practitioners of POCUS, focusing on those applications that are most clinically relevant to the practice of emergency medicine. Trainees will become skilled in cardiac echo, lung/pleura, resuscitation, abdominal, soft tissues/joints and procedural POCUS. The training program is currently being trialed for a staff physician locally. It is yet to be determined if the training program will be offered to staff physicians going forward.

Curriculum

The majority of the program is completed on site. Frequent one on one scanning sessions and image review sessions are completed with the program director. Trainees save all POCUS images/clips to Qpath archiving system allowing the program director to do online review. Residents are required to work 7 regular emergency shifts each block during the one-year fellowship. The remainder of the time is spent doing ultrasound activities. Trainees are asked to assist with teaching ultrasound courses and our junior and senior ultrasound curriculum for the remainder of the emergency medicine residents. Each trainee is required to complete a small research project or academic project during the course of the 1-year training period. There is flexibility for each trainee to organize their training year in a manner that works best for them. In general, each educational block is dedicated to a specific aspect of POCUS, until all topics are complete.

Generally, the training program runs from July-June. Several past trainees have completed electives in critical care or echocardiography at other sites in Canada. The trainees will obtain RDMS certification.



Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No
- What are the deadlines for application to this fellowship?
 - o January prior to July start
- What are the prerequisites?
 - o EDE I certification, resident of a Canadian Royal College Residency Program, eligibility and registration with the Alberta College of Physicians and Surgeons, medical liability insurance.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o No
- How many fellows are admitted per year?
 - o 1-2
- Are there any recent graduates I can contact for further information?
 - o Kasia Lenz (lenz.kasia@gmail.com), Ryan Lenz (ryanlenz06@gmail.com)
- What will my salary be?
 - o Home Program Salary

Contact details:

Program Director: Dr. Danny Peterson and Dr. Mark Bromley
(dannypeterson36@gmail.com, markobromley@gmail.com)

Program admin: Dr. Danny Peterson (dannypeterson36@gmail.com)



Website:

<http://wcm.ucalgary.ca/ermedicine/programs/em-ultrasound/em-us-fellowship>

McMaster University Ultrasound Fellowship



McMaster Division of Emergency Medicine and St. Joseph's Healthcare Hamilton Department of Emergency Medicine offer a Point-of-Care Ultrasound subspecialty rotation. St. Joseph's Healthcare is a high volume, high acuity emergency department with two ultrasound machines. The rotation is competency based and based entirely at St. Joseph's Healthcare Hamilton for the emergency medicine experience offering real time image review with the director via QPath. There are experiences in a larger tertiary care intensive care unit at William Osler Health System, Brampton, ON. We have four RDMS certified staff and multiple other staff that support the program. Experiences in critical care medicine ultrasound, echocardiography, general ultrasound and obstetric ultrasound are available.

Curriculum

Self-scheduled 13-block (12 month) competency based curriculum including biweekly online teaching rounds where trainees present cases and journal club articles. Multiple elective experiences are available (and can be designed to meet the goals of the trainee) in Critical care, Pediatric Emergency Medicine, Echocardiography, Obstetrical ultrasound, etc. Research responsibilities include the design and completion of a research or quality assurance project relevant to current POCUS practice.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - In process of obtaining Area of Focused Competence Diploma accreditation in Acute Care POCUS from the RCPS.
- What are the prerequisites?



- Basic POCUS skills, including proficiency in scans such as aorta for abdominal aortic aneurysm, cardiac for pericardial effusion/cardiac motion, abdomen for free fluid and transabdominal pelvic for intrauterine pregnancy.
- Is this enhanced competency available to CCFP(EM) graduates?
 - Yes, as a post-graduate trainee. (Not during CCFP(EM) year)
- How many residents are admitted per year?
 - 2-3
- Will I have the ability to moonlight?
 - Yes

Contact details:

Program Director: Dr. Melissa Hayward (Melissa.l.hayward@gmail.com)

Website:

<http://pocus.ca/gp-fellowships/mcmaster/>

University of Western Ontario Ultrasound Fellowship



We offer a 1-year ultrasound fellowship program focused on training future leaders in point of care ultrasound by developing advanced POCUS scanning skills combined with ultrasound teaching, research and administration. London Health Sciences Centre is a fully accredited teaching hospital and Level 1 Regional Trauma Centre, affiliated with the Schulich School of Medicine at Western University. Serving more than 156 000 patients per year, the Division of Emergency Medicine provides its clinical and academic undertakings across 3 sites – Victoria and University Hospitals of the London Health Sciences Centre and the Urgent Care Centre at St. Joseph's Hospital. Our divisional program consists of 68 diverse and progressive academic clinician educators, administrators and researchers.

Curriculum

- The fellow's ultrasound education will be comprehensive and will include advanced applications such as peripheral nerve blocks, advanced transthoracic echo, thoracic, abdominal and GU applications.
- The fellow will have supervised scanning time with our faculty until the fellow is competent with the core POCUS applications.
- The ultrasound team holds on average 3 sit down sessions a month incorporating didactic sessions and image review.
- Opportunities to participate in national and international ultrasound courses.
- Ability to explore areas of interest including TEE, Paediatrics, Critical care and OB ultrasound.
- The fellow will collaborate with the Critical Care Ultrasound (CCUS) program led by Dr. Robert Arntfield who is cross-appointed with the Division of Emergency Medicine and actively engaged in the EMUS program. The fellow will be provided an excellent opportunity to rotate in the ICU to enhance their CCUS skills.



- The fellow is expected to complete 800 scans by the end of the fellowship and will have the necessary training to seek RDMS certification if they wish to do so.
- Resident (in training) applicant: the fellow will work an average of 8 clinical shifts a month in the capacity of a senior resident (TBD with Program Directors)
- Licensed applicant: the fellow will work an average of 8 clinical shifts a month as consultant staff if independently licensed.
- The fellow will complete an academic project that is in keeping with their own career goals and is expected to have a publishable paper or an abstract accepted at a national or international meeting.
- The fellow will have the support of the research and ultrasound team to reach their objectives.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - Currently in the process of obtaining the Acute Care POCUS Area of Focused Competence Diploma from the RCPSC
- What are the deadlines for application to this fellowship?
 - See fellowship website specific deadlines.
- What are the prerequisites?
 - Completion of either FRCPC or CCFP(EM).
 - Fourth year FRCPC residents can apply for their subspecialty year.
 - Eligible for licensure by the CPSO
- Is this enhanced competency available to CCFP(EM) graduates?
 - Yes
- How many residents are admitted per year?
 - 2-3
- Are there any recent graduates I can contact for further information?
 - N/A
- What will my salary be?
 - Salary as per PGY level for Ontario (see PARO website for salaries)
- Will I have the ability to moonlight?

- Yes

Contact details:

Program Director: Dr. Frank Myslik (franke.myslik@lhsc.on.ca)

Program Administrator: Renee Vachon (renee.vachon@lhsc.on.ca)

Website:

<https://westernsono.ca/emergency-medicine-ultrasound-fellowship/>

University of British Columbia Ultrasound Fellowship



The ultrasound enhanced competency is a program designed to train emergency physicians to be leaders in point of care ultrasound in Canada; residents will develop expertise in sonography, teaching, research, and administration. The program is 9 months in length and is based in Vancouver, BC.

Curriculum

2 ultrasound scanning shifts per week (at VGH, RCH & SPH), weekly ultrasound rounds/teaching and video review, participation in ultrasound courses and ultrasound teaching for residents and medical students. 2 clinical emergency medicine shifts per week. Residents will learn how to develop and direct an ultrasound program, including physician credentialing, continuing quality improvement, and the intricacies of inter-specialty relations pertaining to ultrasound. Residents will be responsible for original scholarly work suitable for presentation at a conference or publication in a journal.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o Currently in the process of obtaining the Acute Care POCUS Area of Focused Competence Diploma from the RCPSC
- What are the deadlines for application to this fellowship?
 - o November 30 the year prior to starting.



- What are the prerequisites?
 - Demonstrated interest in point of care ultrasound
 - Resident in a Canadian FRCPC emergency medicine program -or- Board-certified emergency physician (either FRCPC-EM or CCFP-EM).
- Is this enhanced competency available to CCFP(EM) graduates?
 - Yes
- How many residents are admitted per year?
 - 1-4
- Are there any recent graduates I can contact for further information?
 - See <http://emergency.med.ubc.ca/education/em-ultrasound-fellowship/fellows/>
- What will my salary be?
 - Salary as per PGY level for British Columbia (see CaRMS website for salaries)
- Will I have the ability to moonlight?
 - Yes

Contact details:

Program Director: Dr. Daniel Kim (dkim000@gmail.com)

Website:

<http://emergency.med.ubc.ca/education/em-ultrasound-fellowship/>



ABORIGINAL HEALTH

University of Toronto



This is an example of a self-organized set of electives to fulfill an enhanced competency area.

It is based on an experience organized by a PGY 4 in 2016-2017, Evelyn Dell.

Please feel free to **contact** her for more information:

dell.evelyn@gmail.com

Emergency Medicine - in Sioux Lookout at Meno-Ya Win Hospital

This included 1 week at a northern nursing station (fly in only, very limited resources)

Contact: Dr. Mike Kirlew (michaelkirlew@icloud.com); Dr. Megan Bolliger (mbollinger@nosm.ca)

Urban Street Health - at Seaton House, Toronto, ON

Working in the infirmary at a men's shelter

Contact: Aaron Orkin (aorkin@gmail.com)

Addictions - St Michaels Hospital

Outpatient clinic and inpatient consults

Contact: Dr. Michelle Klaiman (KlaimanM@smh.ca)

Emergency medicine - in Moose Factory at Weeneebayko General Hospital



Contact: Dr. Gordon Green (gordon.green@waha.ca)

Transport Medicine - with Ornge

Based out of Sioux Lookout, spending with medics for fly outs from northern Indigenous communities, gaining better understanding of various nursing posts

Contact: Dr. Bruce Sawadsky (bsawadsky@ornge.ca)

QUALITY IMPROVEMENT

University of Toronto MSc in Quality Improvement and Patient Safety (QIPs)



This is offered at the Dalla Lana School of Public Health at the University of Toronto as part of the Institute for Health Policy, Management and Evaluation (IHPME).

The Quality Improvement and Patient Safety concentration provides students with the opportunity to focus their research and learning on both the theory and application of improvement science in real time. The program offers a comprehensive, innovative curriculum that incorporates the latest research and thinking in healthcare quality improvement, patient safety and leadership. IHPME faculty are recognized national and international leaders in the fields of improvement science, patient safety and health care leadership. Students work closely with faculty both in and out of the classroom applying their in-class learning to lead and evaluate a sustainable quality improvement initiative in the workplace. Offered in a modular format the program is designed to allow individuals to earn this research degree in one year without interrupting their careers.

Curriculum

It is a modular nine-month program, approximately 4 days every 3-4 weeks. Curriculum is designed to allow for full time working healthcare professionals

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o No
- What are the deadlines for application to this fellowship?



- o Fall Application
- What are the prerequisites?
 - o Successful applicants are required to have some QI experience with an excellent record of scholarship and an aptitude for quality improvement and patient safety. Applicants should have graduated from a 4-year undergraduate program with at least a B+ standing in the last two years of study from an accredited university. Due to the nature of the program, preference will normally be given to applicants with Canadian or permanent resident status within Canada, who are employed and who can apply a quality improvement or patient safety project in a work-place setting. Applications are late fall/winter
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Yes

Contacts

Program Admin: Christina Lopez (ihpme.qips.grad@utoronto.ca)
416-978-1108

Website: <http://ihpme.utoronto.ca/academics/rd/qips-msc/>

Of note: The Institute for Health Policy, Management and Evaluation (IHPME) also offers two other modular Masters degrees designed for full time working healthcare practitioners:

MSc in Health Administration

MSc in System Leadership and Innovation

Website:

<http://ihpme.utoronto.ca/>



INTERNATIONAL EMERGENCY MEDICINE

Queen's University International Emergency Medicine



The Queen's University International Emergency Medicine program is designed to prepare future leaders in academic international emergency medicine by providing training in emergency disaster response, humanitarian aid, international research and emergency medical systems.

The two-year program is tailored to a Fellow's individual interests but is typically divided between a Masters of Public Health (MPH) degree, fieldwork, international emergency medicine training courses, research and clinical work as an attending physician in the emergency department.

Curriculum

For Fellows who do not already hold an MPH degree, the Fellowship will include an MPH at Queen's (or elsewhere as pre-arranged with the Program Director). Coursework for the degree will be taken throughout the two-year fellowship and will occur concurrently with clinical shifts, other academic courses and field experience abroad. For Fellow's already holding an MPH degree, one-year fellowships may be considered.

The international emergency curriculum includes a choice of courses within North American and abroad on a range of topics including:

- 1) Humanitarian/disaster response,
- 2) International study design/methodologies, and
- 3) Emergency medicine system development

Fellows also participate in the bi-weekly global health research lab meetings and in other global health activities at Queen's University including those offered by the Office of Global Health (schedule permitting).

Approximately four to five months will be spent working abroad. Fieldwork is arranged by the Fellow and supervised by the fellowship director. Fellows should take a leadership role during field placements with each experience



designed to increase their knowledge base and opportunity to practice acquired skills.

Fellows are required to complete at least one research project during their fellowship (suitable for publication in a peer reviewed journal). Fellows may develop their own project or take an active role in an ongoing project at Queen's University. Fellows will be strongly encouraged to write a global health-related grant throughout the course of their training.

Fellows will solidify their clinical skills by working part time as an attending physician in the emergency department of Kingston General Hospital and at the Urgent Care Centre of Hotel Dieu Hospital. While working clinically, Fellows will supervise emergency medicine and off-service residents as well as medical students.

Frequently Asked Questions:

- Is this enhanced competency a certified fellowship by the Royal College of Physicians and Surgeons of Canada?
 - o The fellowship is not currently certified by the Royal College. It is, however, modeled after International EM fellowships in the U.S.
- What are the deadlines for application to this fellowship?
 - o Application materials due by October 31
- What are the prerequisites?
 - o Successful completion of FRCPC training and licensing exam as well as an active license from the College of Physicians and Surgeons of Ontario. Some international emergency medicine experience is recommended.
- Is this enhanced competency available to CCFP(EM) graduates?
 - o Not at this time.
- How many fellows are admitted per year?
 - o One fellow per year

- What will my salary be?
 - o Competitive salary package with educational support

Contact details:

Program Director: Dr. Susan Bartels (susanabartels@gmail.com)

Website:

http://emergencymed.queensu.ca/education/fellowships/international_emergency_medicine_fellowship

CLINICAL EPIDEMIOLOGY/ PUBLIC HEALTH

Masters of Public Health - Johns Hopkins University (Bloomberg School of Public Health)



The Johns Hopkins Masters of Public Health program is a flexible and fast-paced program that can be completed on-site full-time in one year, or part-time over a period of up to 3-4 years. The program has a very wide variety of courses, "certificates", and areas of focus, such as Quality, Patient Safety Outcomes, Research (QPSOR), Public Health informatics, Health Finance and Management, Global Health, etc. Elective coursework makes up roughly half the curriculum.

Successful applicants will complete a practicum experience of at least 100 hours that is aligned with personal career goals. The practicum is a population-level project conducted at an established organization or agency. The work can be based in a variety of settings, from a lab to a health department, anywhere in the world.

The program also includes an MPH Capstone, which is an opportunity for students to synthesize, integrate, and apply the skills and competencies they have acquired to a public health problem. It is typically completed in the last two terms of the program.

Website:

<https://www.jhsph.edu/academics/degree-programs/master-of-public-health/index.html>

Email: mphprog@jhu.edu

Phone: 410-955-1291

Toll Free: 888-548-6741



Frequently Asked Questions

Is it possible to complete most of the online/ part-time MPH while working full-time?

Yes, most online/part-time students work full-time. This format was designed specifically to accommodate full-time or part-time work schedules. Students can complete up to 80% of the program through online coursework, but must earn at least 20% of their credits in face-to-face coursework.

What are the deadlines for application?

Full time: December 1 (for June matriculation of the following year)

Part-time: December 1 (for June matriculation of the following year)

Part-time: July 1 (for November matriculation of the same year, or January matriculation of the following year)

Are there special application requirements?

Three reference letters are required. MCAT marks are used in place of GRE. Applicants who have an advanced degree beyond the baccalaureate (e.g., MS, MA, MD, DDS, PHD, MBBS, BDS) may apply without a standardized test score. However, they may be putting themselves at a disadvantage, particularly if their admission materials do not demonstrate significant quantitative and analytical skills. Also, these applicants may significantly reduce their chances of being awarded a scholarship.

Is this route/program available to CCFP-EM residents?

Yes.

Any financial information I should know?



The MPH Field Experience Fund awards can be used to develop an MPH Capstone project or to have a population-based practicum experience. Individual awards are \$2,000. Students can apply for a group award, limited to \$6,000 for the group with a cap of \$2,000 per student.

No payment was received by the program. There is one scholarship for students applying as an online, part-time student.

Are there any recent graduates I can contact for further information?

Dr. Ahmed Taher: ahmed.taher@mail.utoronto.ca

BUSINESS, LAW, AND TECHNOLOGY

Masters of Business Administration - University of Oxford (Said Business School)



This full-time MBA at Oxford, England is designed to help tackle world-scale problems by developing your ability to think logically, laterally, and independently over a 12-month program.

Through the program, there is a focus on real-world skills development, including:

- Teamwork
- Leadership
- Entrepreneurship
- Conflict management
- Negotiation
- Strategy building

The class is highly diverse with approximately 60 countries represented, with a large contingent from Canada and North America. There are many opportunities for electives in a broad range of subjects as well as additional international electives/travel.

Website: <https://www.sbs.ox.ac.uk/programmes/oxford-mba>

Frequently Asked Questions

Are there any application deadlines?

Dates vary each year and by stage. Please check online.



Are there special application requirements?

GMAT (median 690) or GRE score

Is this route/program available to CCFP-EM residents?

Yes

Any financial information I should know?

The program costs 57,200 euros. There are scholarship and bursary opportunities available based on your region of study, previous experience, academic and demographic background, etc.

Are there any recent graduates I can contact for further information?

Dr. Justin Hall: justin.hall@mail.utoronto.ca



Canadians MBA Brunch at Oxford

Masters in Industrial Engineering - University of Toronto



The Master of Engineering (MEng) program can offer participants a design and engineering perspective of the complex systems in which they operate. The knowledge gained has practical clinical implications in flow through the ED, capacity planning, work-flow analysis/optimization, resource mapping, and scheduling.

Students can enrol on a full-time (1 year), extended full-time (2 year), or part-time basis, with or without a project. Participants can complete either 7 courses and a project, or 10 courses.

Students can also pursue a MEng certificate, such as in Healthcare Engineering, within the Masters program by pursuing courses in a particular subject area.

Possible courses include:

- Design of Work Places
- Human Factor Engineering
- Human Factors and Change Management
- Project Management
- Introduction to Healthcare Engineering
- Performance Measurement in Healthcare
- Healthcare Systems

Website: <https://www.mie.utoronto.ca/graduate/graduate-programs/meng/>

Program Admin: brenda@mie.utoronto.ca



Frequently Asked Questions

Are there any application deadlines?

Yes. Usually the beginning of June for a September start.

Are there any prerequisites?

No. Although you will be taking graduate-level engineering courses, there are enough options that you can take the required number without having to re-learn integral calculus.

Is this route/program available to CCFP-EM residents?

Yes.

Any financial information I should know?

Tuition for the year is around \$16,500. You don't get paid for this Master's, however, you can apply for a CGS-M scholarship through either CIHR or NSERC. Based on their award criteria, resident physicians are often very competitive. The award is for \$17,500. You can also apply for an OGS scholarship, which is valued at \$10,000 for the year, but you cannot hold both CGS and OGS. Lastly, there is a two-year thesis-based version of the Master's, in which the program pays you a stipend and covers your tuition.

Are there any recent graduates I can contact for further information?

Dr. Scott Odorizzi: scott.odorizzi@gmail.com

Master of Laws - University of Toronto (Faculty of Law)



The Global Professional Masters of Law (GPLLM) program attracts professionals from a range of industries, and is ideal for those interested in pursuing medico-legal work, policy development, and implementation of health care technology.

This is a 12-month executive-style Master of Laws starting in September and ending the following August. You will be in class in the evenings and all day Saturday, every other week. All class sessions are delivered face-to-face in a classroom.

The program has a number of concentrations where you can focus on certain subjects such as Canadian Law in a Global Context, Business Law, Law of Leadership, or Innovation, Law and Technology.

Assistant Dean: Emily Orchard, emily.orchard@utoronto.ca

Website: <https://gpllm.law.utoronto.ca/>

Frequently Asked Questions

Are there any application deadlines?

The application system opens on October 1 for the following academic year. The admissions committee considers applications on a rolling basis, structured in four rounds. Please check online for the latest updates.



Are there any prerequisites?

You do not need to write the LSAT, nor do you need to have a JD or LLB degree.

Any financial information I should know?

Tuition for the one-year executive Global Professional Master of Laws is approximately \$35,540 CAD for domestic students. The UofT Faculty of Law does not offer direct financing or student financial aid for the GPLLM. However, the GPLLM qualifies for the Scotiabank Professional Student Plan, Life Long Learning Plan (LLP), and Ontario Student Assistant Program (OSAP). The GPLLM is considered a full-time program and therefore the tuition fee is partly tax deductible. It also qualifies for the Canada Revenue Agency's Life Long Learning Plan.

Is this route/program available to CCFP-EM residents?

Yes.

Are there any recent graduates I can contact for further information?

Dr. Shaun Mehta: sd.mehta@mail.utoronto.ca

ARTS AND HUMANITIES

Narrative Medicine Master of Science - Columbia University



Narrative medicine is an interdisciplinary field that brings powerful narrative skills of radical listening and creativity to address the needs of all who seek and deliver health care. The information we gather using narrative techniques can be used for quality improvement purposes, for medical education, and for understanding how to support healthcare providers through long and fruitful ethical practices.

The Narrative Medicine graduate degree can be done full-time (1 year) or part-time (2 years). The core curriculum combines intensive exposure to narrative writing and close reading skills, literary and philosophical analysis, and experiential work, with the opportunity to apply this learning in clinical and educational settings.

The optional Capstone Project offers a wide range of opportunities for supervised or mentored work: a clinical placement, a program development and/or evaluation project, a scholarly thesis, or a writing project. The requirement can also be satisfied by clinical practicums that may include teaching, witnessing, or serving as a teaching assistant.

In completing the Narrative Medicine program, you can expect to spend a lot of time reading novels, poetry, discursive literature, and other texts. You can also expect to watch movies, listen to music, and practice teaching.

Website:

<http://sps.columbia.edu/certificates/narrative-medicine-certificate>

Email: apply@sps.columbia.edu

Phone: 212-854-9666



Frequently Asked Questions

Are there any application deadlines?

You are strongly encouraged to submit your application as early as possible to ensure it is reviewed before the program has reached capacity.

Early Action I: December 1

Early Action II: February 1 (also for international students requiring F-1 visa)

Regular Decision: April 1

Are there special application requirements?

All students who have not taken a graduate-level course in research methodology, with a focus on qualitative research and/or evaluative research, are required to take the Research Methods in Narrative Medicine course.

Is this route/program available to CCFP-EM residents?

Yes.

Any financial information I should know?

Tuition is \$2,118.00 per point and the program requires 38 points for degree completion. Additionally, there are application costs, university fees (depending on full-time/part-time), and several other small fees.

Are there any recent graduates I can contact for further information?

Dr. Sarah Lockett-Gatopoulos: s.lockettgatopoulos@gmail.com



Global Journalism Fellowship - University of Toronto (Munk School of Global Affairs)



The Global Journalism Fellowship combines mentored freelancing and global media with courses in multimedia journalism. The fellowship is very flexible and the coaching continues for two years after graduation, without additional fees.

The program involves a 5-week bootcamp in September (Mon-Fri, 9am-5pm) and video classes Tues-Wed from October to April. You will learn about the basics of radio, podcast, print, digital and television journalism. You will also learn how to freelance, how to pitch to editors, and how to frame important ideas into interesting stories.

Past participants have completed op-eds, investigations, personal profiles, and radio pieces, along with TV appearances on a wide variety of cutting edge health stories for Canadian and US media outlets, such as the Toronto Star, Globe and Mail, Macleans Magazine, CBC, and VICE.

20 Fellows are admitted yearly from around the world. Fellows who are not based in Toronto can return home after October 5, when the five-week bootcamp ends.

Website:

<https://munkschool.utoronto.ca/journalism/program/>

Email: journalism.admin@utoronto.ca

Phone: 416-946-3909



Frequently Asked Questions

Are there any prerequisites?

Prior experience as a journalist is not necessary. Specific personal qualities are listed under the Qualifications page.

What does the application process require?

Along with the usual requirements (CV, transcripts, letters of reference), you are required to send two story proposals, one of which you will need to fully report on. A video statement, a personal essay, and additional communications examples are also required.

What are the deadlines for application?

Applications are accepted on a rolling basis for admission in September. The program asks that you email them prior to starting your application to ensure there is space available.

Any financial information I should know?

Tuition is \$17,000 CAD for the eight-month program. Because this is a certificate program, Fellows are not eligible for financial aid from the University of Toronto or the Government of Ontario.

Fellows can continue some work in their own disciplines, throughout the program. Additionally, you can do contract writing and freelance writing towards the end of the program and after graduation.

Are there any recent graduates I can contact for further information?

Dr. Blair Bigham: blairbigham.com

INDEX BY SCHOOL

McGill University

Ultrasound	155
Trauma	139

University of Ottawa

Clinical Epidemiology / Research.....	31
Medical Education	39
Emergency Medical Services	59
Pediatric Emergency Medicine	97
Simulation	121
Ultrasound.....	157

Queen's University

Resuscitation	111
International Emergency Medicine	176

University of Toronto

Emergency Medical Services	49
Pediatric Emergency Medicine	84
Geriatric Medicine	73
Simulation	117
Clinical Epidemiology / Research.....	28
Palliative Care Medicine	82
Medical Education	
Aboriginal Health	170
Quality Improvement	173
Critical Care	11
Toxicology.....	147
Trauma	137
Ultrasound.....	152

McMaster University

Medical Education	42
Clinician Educator	44
Health Education	42
Critical Care	14
Emergency Medical Services	61



Pediatric Emergency Medicine	99
Sports and Exercise Medicine	126
Trauma	142
Ultrasound.....	162

University of Western Ontario

Critical Care	16
Pediatric Emergency Medicine	101
Ultrasound.....	164
Sports and Exercise Medicine.....	129

University of Manitoba

Critical Care	21
Pediatric Emergency Medicine	104
Sports and Exercise Medicine.....	131
Palliative Care Medicine	76

University of Calgary

Emergency Medical Services	65
Pediatric Emergency Medicine	89
Disaster Medicine	69
Critical Care	18
Ultrasound.....	159

University of Alberta

Emergency Medical Services	9
Pediatric Emergency Medicine	53
Critical Care	92

University of British Columbia

Medical Education	
Clinical Epidemiology / Research.....	
Critical Care	24
Palliative Care Medicine	79
Emergency Medical Services	63
Pediatric Emergency Medicine	117
Resuscitation	114
Sports and Exercise Medicine.....	134
Trauma	144
Ultrasound.....	167

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