Area of Interest: Public Safety and Legal Studies

Advanced Care Paramedic

Ontario College Graduate Certificate

Academic Year: 2019/2020

Program Code: 3005X01FWO

Ottawa Campus

Our Program

Elevating leadership while mastering advanced paramedic care.

The one-year Advanced Care Paramedic Ontario College Graduate Certificate program is accredited by EQAul Accreditation Canada and adheres to the National Occupation Competency Profile for advanced care paramedic practice. It is designed to train current Primary Care Paramedics (PCP) in all aspects of advanced care paramedicine.

Build on your existing knowledge and skills to develop greater critical-thinking processes, increased leadership qualities, and master advanced skills in:

- respiratory care
- cardiac care
- pharmacology
- trauma care
- obstetrics,
- pediatrics care, and
- medical emergencies

The authority to practice as an advanced care paramedic student (ACP) is contingent on being in good standing with a Paramedic Service (if applicable) and upon certification by a medical director.

SUCCESS FACTORS

This program is well-suited for students who:

- Possess critical-thinking and analytical skills.
- Are interested in working in challenging environments.
- Have good communication skills.

Employment

Graduates are eligible to write the provincially administered Advanced Care Paramedic Examination and, if successful, may be employed as advanced care paramedics in Ontario. Graduates may also find employment in other jurisdictions across North America. Opportunities may arise in aeromedical transport, critical care, hospital emergency rooms, emergency management and education.

Learning Outcomes

The graduate has reliably demonstrated the ability to:

- Interact professionally with patients and others, adhering to relevant provincial and federal
• Interact professionally with patients and others, adhering to relevant provincial and federal legislation and codes of conduct.

• Collaborate with a broad range of personnel such as employers, Primary Care Paramedics, Critical Care Paramedics, Communications Officers, firefighters, police officers, physicians, allied health professionals and others.

• Lead an interdisciplinary team to ensure optimal patient care.

• Provide complete and accurate reports, in compliance with current legislation, regulations, standards and established policies and procedures.

• Analyze patient assessment findings critically, and infer a provisional diagnosis, using relevant theory and practices and complying with current legislation, regulations, standards, best practices and established policies and procedures.

• Evaluate patient condition continuously, anticipating changes and adapting interventions to provide safe and optimal care.

• Justify an intervention plan in accordance with ACP Medical Directives, best practices, evidence-based medicine and clinical finding.

• Perform basic and advanced life support skills safely and competently, including controlled medical acts, in accordance with established standards and Medical Directives.

• Employ preventative and therapeutic interventions, while maintaining safety of self and others, to promote optimal well-being of the patient, in compliance with current legislation, regulations, standards and established policies and procedures.

• Formulate strategies for self-evaluation and for improving proficiency in the practice of paramedicine.

• Identify and apply discipline-specific practices that contribute to the local and global community through social responsibility, economic commitments and environmental stewardship.

Program of Study

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<tr>
<th>Level: 01 Courses</th>
<th>Hours</th>
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<tr>
<td>PAR5001 Foundations for Advanced Care Paramedic Practice</td>
<td>44.0</td>
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<tr>
<td>PAR5002 Advanced Airway Management, Respiratory Care and Communications</td>
<td>28.0</td>
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<tr>
<td>PAR5003 Advanced Cardiac Care</td>
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<td>PAR5004 Advanced Care for Medical Emergencies</td>
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<td>PAR5005 Advanced Care for Trauma and Environmental Injuries</td>
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<td>PAR5006 Skills and Scenario-Based Practice</td>
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<td>PAR5011 Hospital Practicum</td>
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<th>Level: 03 Courses</th>
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<td>PAR5015 Critical Appraisal of Research</td>
<td>32.0</td>
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<td>PAR5021 ACP Preceptorship</td>
<td>672.0</td>
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<td>PAR5022 Comprehensive Examinations</td>
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Fees for the 2019/2020 Academic Year

Tuition and related ancillary fees for this program can be viewed by using the Tuition and Fees Estimator tool at https://www.algonquincollege.com/fee-estimator.
Further information on fees can be found by visiting the Registrar’s Office site at https://www.algonquincollege.com/ro.

Fees are subject to change.

Additional program related expenses include:

The certification fee for the Advanced Care Paramedic examination administered by the Ontario Ministry of Health is $100 (subject to change). Base Hospital student certification is $500. Mandatory Non-Violent Crisis Intervention course is $110 (subject to change). Textbooks, manuals, and materials (including scrubs for the hospital portion) cost approximately $2,300.

**Admission Requirements for the 2020/2021 Academic Year**

**Program Eligibility**

- A two-year Ontario College Primary Care Paramedic Diploma and an Advanced-Emergency Care Assistant (A-EMCA or equivalent) certificate issued by the Ministry of Health and Long Term Care, Emergency Health Services Branch Ontario are required for acceptance into the Advanced Care Paramedic program.

- Applicants with pending status are eligible to apply.

- All applicants must complete an assessment through the Test Centre, and will be required to pay the current fee of $50 (subject to change). Applicants are required to obtain a minimum test score of 65%. Applicants with a 1000 hours of experience, working as a land or air paramedic, will have 10 points added to their test score, provided that their minimum test score is 65% or higher.

- To obtain the 10 points, a signed letter from the employer must be submitted on Paramedic Service letterhead at the time of application attesting that the candidate has worked a minimum of a 1000 hours as a land or air paramedic.

- Applicants must possess a valid Ontario Class F driver’s licence or equivalent prior to the start of classes.

- International applicants must provide proof of the subject specific requirements noted above along with proof of either: (IELTS / TOEFL) IELTS-International English Language Testing Service (Academic) Overall band of 6.5 with a minimum of 6.0 in each band; OR TOEFL-Internet-based (IBT)-overall 88, with a minimum of 22 in each component: Reading 22; Listening 22; Speaking 22; Writing 22.

- Applicants with international transcripts must provide proof of the subject specific requirements noted above and may be required to provide proof of language proficiency.

- Accepted applicants must submit a Health Assessment Form and provide an Immunization certificate prior to entry into the program.

- Applicants must submit proof of mask fit testing quantitative only.

- Applicants are required to submit a recent Police Records Check.

**Police Records Check Documentation:**

Though not an admission requirement, applicants must note important information listed below regarding Police Records Check program requirements.

Successful completion of clinical placement is a requirement for graduation from the Advanced Care Paramedic program. Agencies that provide placement opportunities require you to have a clear Police Records Check for Service with the Vulnerable Sector (PRCSVS). Your acceptance for placement is at the discretion of the agency. If you register in the program without a clear PRCSVS and as a result are unable to participate in placement, you will not be able to graduate.

**Clinical Placement Eligibility:**

To be eligible for placement, you must submit proof of a clear PRCSVS, which will be retained on your departmental file and used only for purposes related to your placement. You will be required to disclose the contents of the PRCSVS, including all notations, to the placement agencies.

It is your responsibility to obtain the PRCSVS from your local Police Department prior to the
deadline identified by your Department and to pay any associated costs. It may take a long time to obtain this documentation; please submit your application as early as possible.

Hospital and Field Practicums require Health and Safety, WHMIS and OWHSA training, an approved Non-Violent Crisis Intervention (NVCI) course, as well as High Risk Personal Protective Equipment training prior to placements. There are costs associated with training that should be anticipated by the students, which are not covered by tuition fees. Should you require further information, contact the Program Chair.

Admission Requirements for 2019/2020 Academic Year

Program Eligibility

- Ontario College Diploma, Ontario College Advanced Diploma in Paramedic.
- An Advanced Emergency Medical Care Attendant Certificate (A-EMCA) in good standing, as recognized by the Ministry of Health and Long Term Care, Emergency Health Services Branch, Ontario. Applicants with pending status are eligible to apply.
- Applicants are required to provide a Confirmation of Employment letter.
- Applicants must possess a valid Ontario Class F driver’s licence or equivalent prior to the start of classes.
- International applicants must provide proof of the subject specific requirements noted above along with proof of either: (IELTS / TOEFL) IELTS-International English Language Testing Service (Academic) Overall band of 6.5 with a minimum of 6.0 in each band; OR TOEFL-Internet-based (iBT)-overall 88, with a minimum of 22 in each component: Reading 22; Listening 22; Speaking 22; Writing 22.
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Application Information

ADVANCED CARE PARAMEDIC
Advanced Care Paramedic

Program Code 3005X01FWO

Applications to full-time day programs must be submitted with official transcripts showing completion of the academic admission requirements through:

ontariocolleges.ca
60 Corporate Court
Guelph, Ontario N1G 5J3
1-888-892-2228

Applications are available online at http://www.ontariocolleges.ca/. A $95 fee applies.

Applications for Fall Term and Winter Term admission received by February 1 will be given equal consideration. Applications received after February 1 will be processed on a first-come, first-served basis as long as places are available.

International applicants applying from out-of-country can obtain the International Student Application Form at https://algonquincollege.force.com/myACint/ or by contacting the Registrar`s Office.

For further information on the admissions process, contact:

Registrar`s Office
Algonquin College
1385 Woodroffe Ave
Ottawa, ON K2G 1V8
Telephone: 613-727-0002
Toll-free: 1-800-565-4723
TTY: 613-727-7766
Fax: 613-727-7632
Email: mailto:AskUs@algonquincollege.com

Additional Information

Programs at Algonquin College are Bring Your Own Device (BYOD). To see the BYOD requirements for your program, please visit: https://www7.algonquincollege.com/byod/.

In order to apply and complete placements, candidates must be in good standing with their Base Hospital and home paramedic service throughout the entire program.

Every effort is made to accommodate student requests for hospital and paramedic placements; however, due to high demand for some venues, students may be required to complete their placements in other areas across Ottawa or Ontario.

Very specific requests for placements inside or outside the Ottawa catchment area will be reviewed on an individual basis. Students may incur additional costs and delays in graduation due to local administrative and legislative differences specific to those hospital or paramedic services.

Any additional or ancillary cost arising from special placement requests (e.g., preceptorship fees) are assumed by the student.

Students are responsible for transportation and parking costs related to the hospital clinical and paramedic placement sites.

For more information, contact Curtis Farrell, Program Coordinator, at 613-727-4723 ext. 2452 or mailto:farrelc@algonquincollege.com.

Course Descriptions

PAR5001 Foundations for Advanced Care Paramedic Practice

An introduction and foundation for advanced care paramedic practice is provided. Emphasis is on roles and responsibilities, concepts in medical physiology and pathophysiology, pharmacology and emergency medications. Learning is consolidated through scenario-based practice.

Prerequisite(s): none
Corerequisite(s): PAR5006
PAR5002 Advanced Airway Management, Respiratory Care and Communications

The student builds on existing knowledge of airway management and respiratory care. The student acquires skills and knowledge of advanced airway assessment, management, and treatment. Oral/nasal tracheal intubation, laryngeal mask application, needle and surgical airway procedures, ETCO2 monitoring, and communicable and infectious diseases are covered. Learning is consolidated through scenario-based practice.

Prerequisite(s): PAR5001
Corerequisite(s): PAR5006

PAR5003 Advanced Cardiac Care

The student builds on existing knowledge of emergency cardiac care and management. The student learns to interpret cardiac dysrhythmias and 12-lead electrocardiograms, apply electrotherapy and administer emergency cardiac medications. Management and treatment of cardiac emergencies are based on Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS) standards. Learning is consolidated through scenario-based practice.

Prerequisite(s): PAR5001 and PAR5002
Corerequisite(s): PAR5006

PAR5004 Advanced Care for Medical Emergencies

The student builds on existing knowledge of management and treatment of medical emergencies. Areas of focus include diabetes, seizures, cerebro-vascular accidents, obstetrics, pediatrics, psychological disorders and geriatrics. Learning is consolidated through scenario-based practice.

Prerequisite(s): PAR5001 and PAR5002 and PAR5003
Corerequisite(s): PAR5006

PAR5005 Advanced Care for Trauma and Environmental Injuries

The student builds on existing knowledge of trauma and environmental emergencies. Emphasis is on kinematics, rapid assessment and advanced care treatment. Learning is consolidated through scenario-based practice.

Prerequisite(s): PAR5001 and PAR5002 and PAR5003 and PAR5004
Corerequisite(s): PAR5006

PAR5006 Skills and Scenario-Based Practice

Newly acquired theoretical knowledge and advanced paramedic skills are integrated. Students apply critical thinking, advanced assessments and interventions in simulated emergency cases. Areas covered include Foundations for Paramedic Practice, Advanced Respiratory Care, Advanced Cardiac Care, Medical Emergencies and Advanced Care for Traumatic/Environmental Injuries.

Prerequisite(s): none
Corerequisite(s): PAR5001 and PAR5002 and PAR5003 and PAR5004 and PAR5005

PAR5011 Hospital Practicum

Students integrate knowledge and perfect skills that they have practised and have been evaluated on in simulations. Advanced assessments, reporting, advanced airway management, and intravenous therapy are performed in a hospital setting with direct supervision from doctors, nurses and approved clinical educators. Students perform skills in the adult and pediatric emergency departments, adult and pediatric anesthesia departments, critical care/intensive care units, respiratory therapy departments and specialized departments.

Prerequisite(s): PAR5001 and PAR5002 and PAR5003 and PAR5004 and PAR5005 and PAR5006
Corerequisite(s): none
**PAR5015 Critical Appraisal of Research**

Critical appraisal of research is an integral part of modern-day paramedicine. Students critique a variety of research topics related to paramedic practice. Using online tools, study guides and facilitator support, students acquire a fundamental understanding of research appraisal.

Prerequisite(s): PAR5001 and PAR5002 and PAR5003 and PAR5004 and PAR5005 and PAR5006  
Corerequisite(s): none

**PAR5021 ACP Preceptorship**

Students complete a placement in a paramedic service with an experienced preceptor/mentor. Students apply, integrate and consolidate skills and knowledge acquired throughout the program. Successful completion of the preceptorship is contingent upon meeting all of the National Occupational Competencies for ACP practitioners in a preceptorship environment. Controlled medical acts can only be performed with the written permission of a medical director.

Prerequisite(s): PAR5001 and PAR5002 and PAR5003 and PAR5004 and PAR5005 and PAR5006  
Corerequisite(s): none

**PAR5022 Comprehensive Examinations**

The student is scheduled to write a comprehensive examination in preparation for the Ontario Advanced Care Paramedic Licensing process. The student is also scheduled for a one-hour oral board examination and is asked to respond correctly to case-based questions posed by the medical director of the program.

Prerequisite(s): PAR5001 and PAR5002 and PAR5003 and PAR5004 and PAR5005 and PAR5006  
and PAR5011  
Corerequisite(s): PAR5021