

## ADVANCED CARE PARAMEDIC

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### Program Outline

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| <b>Major:</b>      | PARM                                 |
| <b>Length:</b>     | 1 Year                               |
| <b>Delivery:</b>   | 3 Semesters                          |
| <b>Credential:</b> | Ontario College Graduate Certificate |
| <b>Effective:</b>  | 2016-2017                            |
| <b>Location:</b>   | Barrie                               |
| <b>Start:</b>      | Fall (Barrie)                        |

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### Description

This one year program is designed to provide paramedics with advanced knowledge and skills for practicing emergency health care and to prepare them to function as a leader in emergency situations. Graduates of the program will have demonstrated the ability to safely and competently care for patients of all ages and administer advanced medical treatment measures. The program is comprised of classroom instruction, skills and patient simulation labs, clinical placement and field placement.

### Career Opportunities

Graduates who already possess provincial certification at the Emergency Medical Care Assistant (E.M.C.A.) level, will, after successful completion of the Advanced Care Paramedic (ACP) Program, be eligible to write the Ontario ACP certification exam and gain employment as ACPs with ambulance services throughout the province or across Canada.

### Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

- 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 inter-disciplinary 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 findings;
- 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.

### **The Program Progression:**

Fall Intake - Barrie

Sem 1 | Sem 2 | Sem 3

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Fall | Winter | Summer  
2016 | 2017 | 2017

### **Articulation:**

A number of articulation agreements have been negotiated with universities and other institutions across Canada, North America and internationally. These agreements are assessed, revised and updated on a regular basis. Please contact the program co-ordinator for specific details if you are interested in pursuing such an option. Additional information can be found on our website at <http://www.georgiancollege.ca/admissions/credit-transfer/>

### **Admission Requirements:**

- Two-year Ontario College Primary Care Paramedic diploma, and a current Advanced Emergency Medical Care Attendant (A-EMCA) license or equivalent
- A minimum 2,000 hours or 1 year experience in an urban EMS setting, or equivalent, is required.

### **Selection Process:**

Applicants will be selected based on EMS experience, resumé, reference letter(s) and selection testing in Primary Care Paramedic Theory:

- Resume containing information about your academic background, related work experience, volunteer experience and extracurricular activities, etc., including detailed EMS experience.
- Reference letter from a Base Hospital and/or Medical Director
- Selection testing in primary care paramedic theory will be done at this time;
- If English is not your first language, refer to the English Language Proficiency Policy.

### **Additional Information:**

A current advanced care EMCA licence is required to work as a Paramedic in Ontario. International applicants are required to complete the Ontario equivalency process. Please contact the Ministry of Health and Longterm Care for information regarding the equivalency process.

Completion of college immunization record is required for field placements.

In order to provide quality practicum placements, students will be placed in a variety of agencies or services in the region serviced by the campus. While every effort is made to arrange placements in the planned sequence, placements are dependent upon availability and may need to be completed at a later date. Students are required to provide their own transportation.

### **\*\* CRIMINAL REFERENCE CHECK \*\***

Placement agencies require an up-to-date clear criminal reference check and vulnerable sector check prior to going out on placement. Students should obtain their criminal reference three months prior to placement; checks conducted earlier may not be considered current. As some jurisdictions require longer lead-time for processing, please check with the program coordinator to ensure you allow for sufficient turn-around time. It is the students responsibility to provide the completed document prior to placement start.

NOTE: Individuals who have been charged or convicted criminally and not pardoned will be prohibited from proceeding to a clinical or work placement.

**Graduation Requirements:**

8 Mandatory Courses

1 Internship

**Graduation Eligibility:**

To graduate from this program, a student must attain a minimum of 60% or a letter grade of P (Pass) or S (Satisfactory) in each course in each semester. The passing weighted average for promotion through each semester and to graduate is 60%.

**Mandatory Courses**

PARM1000 Advanced Pharmacology  
PARM1001 Advanced Patient Care Theory 1  
PARM1002 Advanced Care Paramedic Skills  
PARM1003 Advanced Patient Care Theory 2  
PARM1004 Advanced Professional Practice  
PARM1005 Advanced Patient Care Simulation  
PARM1006 Unifying Concepts in Paramedicine  
PARM1007 Clinical Practice

**Internship**

PARM1008 Field Internship

**Course Descriptions:**

PARM1000 Advanced Pharmacology 42.0 Hours

In this course, students gain an in depth knowledge of the pharmacology required to safely administer Advanced Care Paramedic (ACP) medication (as per the National Occupational Competency Profiles drug list and the American Heart Association guidelines for adult, pediatric and neonatal resuscitation). Students learn to accurately perform medical math, make critical decisions and evaluate pharmacological interventions in the context of clinical presentations. Prescription and over-the-counter medications are reviewed and the management of toxidromes is examined.

C- PARM1001 Advanced Patient Care Theory 1 and C- PARM1002 Advanced Care Paramedic Skills and C- PARM1005 Advanced Patient Care Simulation

PARM1001 Advanced Patient Care Theory 1 56.0 Hours

In this course, students learn advanced assessment theory to formulate a differential diagnosis and justify a provisional diagnosis. Critical decision skills are developed through exploration of case presentations and evidence-based medicine. The theory of

advanced invasive and non-invasive interventions is developed taking into account re-evaluation of the patient, anticipation of changes and adaptation of interventions to provide safe and optimal care. This course focuses on conditions affecting the airway, respiratory and cardiovascular systems.

C- PARM1000 Advanced Pharmacology and C- PARM1002 Advanced Care Paramedic Skills and C- PARM1005 Advanced Patient Care Simulation

#### PARM1002 Advanced Care Paramedic Skills 42.0 Hours

This course will integrate the concepts developed in related theoretical courses through the use of medical equipment and various medical simulation devices. Students practise and learn to safely apply advanced psychomotor skills as per the National Occupational Competency Profile (NOCP) and provincial regulations. The course content will reflect the most current stages of diagnostic and invasive procedures as the scope of advanced care paramedic practice evolves and/or new technologies and medical research emerges.

C- PARM1000 Advanced Pharmacology and C- PARM1001 Advanced Patient Care Theory 1 and C- PARM1005 Advanced Patient Care Simulation

#### PARM1003 Advanced Patient Care Theory 2 56.0 Hours

In this course, students build on content presented in PARM1001 to learn advanced assessment theory to formulate a differential diagnosis and justify a provisional diagnosis. Critical decision skills are developed through exploration of case presentations and evidence-based medicine. The theory of advanced invasive and non-invasive interventions is developed taking into account re-evaluation of the patient, anticipation of changes and adaptation of interventions to provide safe and optimal care. This course includes but is not limited to conditions affecting the nervous, endocrine, gastrointestinal, genitourinary systems, as well as specialized populations including obstetric, pediatric, geriatric and psychiatric patients.

P- PARM1000 Advanced Pharmacology and P- PARM1001 Advanced Patient Care Theory 1 and C- PARM1007 Clinical Practice

#### PARM1004 Advanced Professional Practice 42.0 Hours

In this course, students examine professional issues and accountabilities in advanced care paramedic practice. Students review important aspects of professional behaviour, cultural competence, medico-legal obligations, medical ethics, professional advocacy, self-reflection, continuous learning and accountabilities to the employer, Base Hospital and the community. Other subjects covered include medical research, Total Quality Management (TQM) and medical communication in the transfer of care.

#### PARM1005 Advanced Patient Care Simulation 42.0 Hours

Students consolidate theoretical knowledge and advanced paramedic skills learned in related courses. Using medical equipment and medical simulation devices, the students apply advanced assessments, critical thinking and interventions in simulated emergency situations.

C- PARM1000 Advanced Pharmacology and C- PARM1001 Advanced Patient Care Theory 1 and C- PARM1002 Advanced Care Paramedic Skills

PARM1006 Unifying Concepts in Paramedicine 42.0 Hours

In this course, students explore clinical presentations, medical interventions and decision making skills through case-based discussions and literature searches. The course is intended to integrate previously presented concepts through evaluation and critique of assessment, management and treatment practices. It provides an opportunity for students to assess their own strengths and weaknesses in preparation for performing certification exams.

P- PARM1003 Advanced Patient Care Theory 2 and P- PARM1004 Advanced Professional Practice and P- PARM1007 Clinical Practice and C- PARM1008 Field Internship

PARM1007 Clinical Practice 240.0 Hours

In the hospital clinical practicum, students integrate knowledge and develop proficiency in skills learned in the Advanced Care Paramedic (ACP) Skills and Advanced Patient Care Theory course. Advanced assessments, ACP psychomotor skills and reporting are performed in a hospital setting with direct supervision from approved clinical educators, doctors, nurses and allied health professionals.

P- PARM1000 Advanced Pharmacology and P- PARM1001 Advanced Patient Care Theory 1 and P- PARM1002 Advanced Care Paramedic Skills and P- PARM1005 Advanced Patient Care Simulation and C- PARM1003 Advanced Patient Care Theory 2

PARM1008 Field Internship 400.0 Hours

The student will be paired with an Advanced Care Paramedic preceptor/mentor with an emergency medical service providing an opportunity to apply, integrate, and consolidate skills and knowledge acquired throughout the program. Upon successful completion of field internship, the student will have demonstrated all competencies on an independent basis. Delegated medical acts are performed only with the permission of the medical director.

P- PARM1003 Advanced Patient Care Theory 2 and P- PARM1004 Advanced Professional Practice and P- PARM1007 Clinical Practice and C- PARM1006 Unifying Concepts in Paramedicine

### **Course Description Legend**

P = Prerequisite; C = Concurrent prerequisite; CO= Corequisite

*Information contained in College documents respecting programs is correct at the time of publication. Academic content of programs and courses is revised on an ongoing basis to ensure relevance to changing educational objectives and employment market needs. The college reserves the right to add or delete programs, options, courses,*

*timetables or campus locations subject to sufficient enrolment, and the availability of courses.*