

CLINICAL METHODS IN ORTHOTICS/PROSTHETICS PROGRAM (POSTGRADUATE) (S407)

PROGRAM NAME	Clinical Methods in Orthotics/Prosthetics	TUITION	\$6,200.00 *
COURSE CODE	S407	ADDITIONAL COST	
SCHOOL	School of Health and Wellness		
CENTRE	Health Sciences		
LOCATION	Sunnybrook Health Sciences Centre		
DURATION	2 years (4 semesters)		
FIELD EDUCATION	Clinical experiences in various GTA healthcare institutions		
STARTING MONTH	September		
CREDENTIAL	Ontario College Graduate Certificate		
YEAR OF STUDY	2018-2019		
METHOD OF STUDY	FT		
APPLY TO	Ontario Colleges ¹		

Clinical Methods in Orthotics/Prosthetics is a two-year postgraduate program that trains students to make and fit **prostheses (artificial limbs)** and **orthoses (braces and splints)**.

This is a unique full-time program taught at Sunnybrook Health Sciences Centre by faculty currently working in the field.

Classes start in September only. Winter and summer start options are not available. The program is not offered on a part-time basis.

Applications must be submitted to OCAS by February 1 of each year.

Co-ordinated between **George Brown College** and **Sunnybrook Health Sciences Centre**, the program allows students to obtain clinical experiences under the direction of certified prosthetists/orthotists at:

- Ron Joyce Children's Health Centre
- Holland Bloorview Kids Rehabilitation Hospital
- The Hospital for Sick Children

This program will appeal to students who have a background in health sciences and are interested in working with people and helping patients in their attempts to overcome disabilities.

Graduates will be eligible for certification by Orthotics Prosthetics Canada (formerly the "Canadian Board of Certification").



PART TIME STUDY OPTIONS

This program is not available part-time.

PROGRAM STANDARDS AND LEARNING OUTCOMES

The graduate has reliably demonstrated the ability to:

1. Gather and assimilate information about a patient through medical records, prosthetic/orthotic history, patient's comments and clinical examination, and be sensitive to the implications of the relevant information.
2. Recognize patient conditions requiring medical/health care beyond the scope of orthotic and prosthetic practice.
3. Based on the appropriate prescription, design and articulate a prosthetic/orthotic treatment plan based upon the prescription received and assessment made of the patient and, when necessary, in communication with various members of the health care team.
4. Analyze information concerning the proposed prosthetic/orthotic treatment plan and forecast the success of the appliance in terms of clinical principles and the patient's disability/pathology and expectations.

5. Obtain all appropriate measurements, casts, layouts, etc., necessary to proceed with the prosthetic/orthotic treatment plan.
6. Perform and prepare all the appropriate positive cast modifications, layout adjustments, and other procedures necessary to proceed with the fabrication of the prosthetic/orthotic appliance.
7. Formulate and fabricate prosthetic/orthotic appliances utilizing knowledge of the appropriate prosthetic/orthotic materials and employing prescribed and accepted laboratory procedures.
8. Perform patient fittings of the appropriate prosthetic/orthotic devices, including static and dynamic alignments, evaluating the appliance on the patient, instructing the patient in its use.
9. Perform reassessments, adjustments or replacements of the prosthetic/orthotic appliance, in consultation with the referring physician, as the patient's age, physical condition, or life-style change.
10. Keep abreast of new developments concerning prosthetic and orthotic care.
11. Maintain organized patient records, encompassing all pertinent information relating to the ongoing prosthetic/orthotic treatment.
12. Identify and relate to the various health care resources that are available to the prosthetist/orthotist and his or her patients.
13. Appreciate the roles that the prosthetic/orthotic professional bodies play in the maintenance of standards and the development of the profession and to be willing to contribute towards its advancement.

REQUIRED COURSES

SEMESTER 1

Code	Course Name
ORTH1001	Orthotics/Prosthetics Clinical Theory I
ORTH1005	Laboratory Procedures I
ORTH1002	Applied Orthotic/Prosthetic Techniques I
ANAT1017	Anatomy for Orthotics/Prosthetics I
KINE1002	Kinesiology and Biomechanics I

SEMESTER 2

Code	Course Name
ORTH1003	Orthotics/Prosthetics Clinical Theory II
ORTH1004	Applied Orthotic/Prosthetic Techniques II
ORTH1006	Laboratory Procedures II
ANAT1018	Anatomy for Orthotics/Prosthetics II
PHSL1003	Physiology for Orthotics/Prosthetics

SEMESTER 3

Code	Course Name
ORTH2003	Orthotics/Prosthetics Clinical Theory III
ORTH2004	Applied Orthotic/Prosthetic Techniques III
ORTH2007	Laboratory Procedures III
ORTH2005	Powered Prosthetics
PATH2003	Pathophysiology for Orthotics/Prosthetics I
KINE2001	Orthotics/Prosthetics Clinical Case Studies

SEMESTER 4

Code	Course Name
ORTH2018	Orthotics/Prosthetics Clinical Theory IV
ORTH2008	Laboratory Procedures IV
ORTH2006	Applied Orthotic/Prosthetic Techniques IV
ORTH2001	Practice Management and Professional Issues in Orthotics/Prosthetics
PATH2004	Pathophysiology for Orthotics/Prosthetics II

YOUR CAREER

Employment is available in orthotic and prosthetic management at hospitals, rehabilitation centres and private facilities throughout Canada.

FUTURE STUDY OPTIONS

This program follows a co-operative curriculum model with McMaster University's master's of science program in Rehabilitation Science.

Students who elect to pursue both credentials are responsible for all fees at both institutions. For more information, see georgebrown.ca/prostheticsorthotics.

ADMISSION REQUIREMENTS

This program is available to domestic applicants only.

- 4-year Bachelor of Science degree AND demonstrated, relevant work experience. A 4-year degree in Engineering or Kinesiology will be considered.
- Courses in anatomy, biomechanics and gait, human physiology and pathology, and rehabilitation sciences are preferred
- Departmental review which will include:
 - Written entrance exam
 - Submission of two reference letters
 - Program-specific admissions assessment via video interview, designed to allow applicants to demonstrate their aptitude for developing the necessary applied and interpersonal skills essential to holistic clinical care*.
- For more information please visit the Clinical Methods in Orthotics & Prosthetic page²

Please note: Only eligible applicants who meet the academic requirements will complete a written entrance exam. The top ranked applicants are then invited to submit two reference letters and attend the next stage of the admissions process.

*Video interview results are only applicable for one academic cycle. Applicants who reapply must take the interview again, regardless of their previous result.

This program is highly competitive and space is limited.

The eight top ranked applicants may be offered one of the Toronto-based program placements available. Beginning in September 2020, two additional applicants, in order of admissions ranking, may be considered for clinical spots at our Manitoba partners (the Manitoba Orthotics and Prosthetics Association/Winnipeg Health Sciences Centre); be required to reside in Manitoba; and take classes via online delivery with our Toronto-based students in synchronous time. Note that any travel, re-location, or living costs associated with acceptance of a clinical spot in Manitoba will be fully the responsibility of the accepted student.

ENGLISH LANGUAGE PROFICIENCY

Applicants with international transcripts who do not provide English proficiency test results must test at the College level in the George Brown College English assessment to be considered for admission.

Please visit georgebrown.ca/englishproficiency for more details.

For more information on the program, please visit georgebrown.ca/prostheticsorthotics

CONTACT US

Phone: 416-480-5783. Please leave a message at this number.

Email: applicant_info@gbcpando.com

Visit the program website at
georgebrown.ca/prostheticsorthotics

For more information about George Brown College, you may also call the Contact Centre at 416-415-2000 (TTY 1-877-515-5559) or long distance 1-800-265-2002.

LINKS REFERENCE

¹<https://collegeapply.ontariocolleges.ca/?collegeCode=GBTC&programCode=S407&lang=en>

²http://www.georgebrown.ca/prostheticsorthotics/clinical_methods/#selection

George Brown College is continually striving to improve its programs and their delivery. The information contained in this calendar is subject to change without notice. It should not be viewed as a representation, offer or warranty. Students are responsible for verifying George Brown College admission, graduation, and fee requirements as well as any requirements of outside institutions, industry associations, or other bodies that may award additional designations concurrently with, or after completion of, a George Brown College program.