Orthotic/Prosthetic Technician is a practice-oriented, hands-on program that teaches students to be competent in the use of many hand tools and specialized machines for the fabrication of orthotic and prosthetic devices.

This is a full-time program open only to domestic students, with classes starting every September. (Winter and summer start options are not available.) It is taught at Sunnybrook Health Sciences Centre by faculty currently working in the field.

To be considered, applications must be submitted to OntarioColleges.ca by February 1 of each year.

Over the course of two years, students will learn how to make the following devices to help rehabilitate individuals with disabilities:

- **orthoses (braces and splints)**
- **prostheses (artificial limbs)**

New materials, techniques and controls create an increasing demand for technically competent people in this field.

The orthotic/prosthetic technician makes prostheses and orthoses from technical specifications, measurements and positive plaster casts using a variety of materials, such as:

- thermosetting resins
- thermoforming plastics
- metal
- fabrics
- leather

You should consider applying if you have:

- good hand skills
- a strong background in math and human sciences
6. Identify and demonstrate the proper procedures, operating specifications and common safety practices in the use of machines, tools and the handling of materials required in the fabrication of orthoses and prostheses.

7. Demonstrate a competent knowledge in the application and function of common orthotic and prosthetic appliances and their corresponding components and systems.

8. Demonstrate the common orthotic and prosthetic bench or static alignment procedures necessary to prepare the orthotic or prosthetic appliance for patient fitting and articulate the principles (biomechanical, anatomical, etc.) used in determining such alignments.

9. Demonstrate a basic knowledge of the pertinent biomechanical, anatomical, physiological, and pathological concepts necessary for the effective implementation of technical and clinical procedures in the delivery of orthotic and prosthetic care.

10. Appreciate the need to keep abreast of new techniques and developments with respect to orthotic and prosthetic care and demonstrate an ongoing commitment to the research and development of more effective prosthetic and orthotic designs and procedures.

11. Appreciate the roles the Orthotic/Prosthetic professional bodies play in the maintenance of standards and the development of the profession and be willing to contribute towards its advancement.

12. Appreciate the roles of the various health team members involved in the delivery of orthotic and prosthetic care.

13. Be familiar with issues related to the supervision of support personnel and laboratory activities and also the administrative duties required in the management of a prosthetic/orthotic practise.

**REQUIRED COURSES**

**SEMESTER 1**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>ANAT1036</td>
<td>Anatomy</td>
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<tr>
<td>ORTH1007</td>
<td>Materials and Laboratory Techniques I</td>
</tr>
<tr>
<td>KINE1010</td>
<td>Kinesiology for Orthotics/Prosthetics Technicians I</td>
</tr>
<tr>
<td>ORTH1008</td>
<td>Fabrication Theory I</td>
</tr>
<tr>
<td>COMM1007</td>
<td>College English</td>
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<tr>
<td>GNED</td>
<td>General Education Elective</td>
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**SEMESTER 2**

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<tbody>
<tr>
<td>PATH1013</td>
<td>Pathology</td>
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<tr>
<td>ORTH1009</td>
<td>Materials and Laboratory Techniques II</td>
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<tr>
<td>ORTH1010</td>
<td>Fabrication Theory II</td>
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<tr>
<td>KINE1014</td>
<td>Kinesiology for Orthotics/Prosthetics Technicians II</td>
</tr>
<tr>
<td>GNED</td>
<td>General Education Elective (choose two)</td>
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**SEMESTER 3**

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<th>Course Name</th>
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<tbody>
<tr>
<td>ORTH2009</td>
<td>Materials and Laboratory Techniques III</td>
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<tr>
<td>ORTH2011</td>
<td>Externally Powered Orthotics/Prosthetics Rehabilitation Techniques</td>
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<tr>
<td>ORTH2010</td>
<td>Fabrication Theory III</td>
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<td>KINE1003</td>
<td>Kinesiology/Biomechanics for Technicians I</td>
</tr>
<tr>
<td>ORTH2012</td>
<td>Pre-Graduate Work Experience I</td>
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<tr>
<td>GSCI1056</td>
<td>Computers in Our Society</td>
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**SEMESTER 4**

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<tr>
<td>ORTH2016</td>
<td>Materials and Laboratory Techniques IV</td>
</tr>
<tr>
<td>ORTH2015</td>
<td>Professional Issues in Orthotics/Prosthetics</td>
</tr>
<tr>
<td>ORTH2013</td>
<td>Pre-Graduate Work Experience II</td>
</tr>
<tr>
<td>ORTH2017</td>
<td>Fabrication Theory IV</td>
</tr>
<tr>
<td>KINE1005</td>
<td>Kinesiology/Biomechanics for Technicians II</td>
</tr>
<tr>
<td>ORTH2014</td>
<td>Advanced Material Orthotics/Prosthetics Techniques</td>
</tr>
</tbody>
</table>

**YOUR CAREER**

Two years after graduation, alumni will be eligible to apply for professional registration with Orthotics Prosthetics Canada (formerly the “Canadian Board of Certification”).

Excellent employment opportunities are available across Canada in:

- hospitals
- rehabilitation centres
- private facilities

**FUTURE STUDY OPTIONS**

Graduates of this program with a B.Sc. or equivalent degree who wish to continue their studies may qualify for admission to the Clinical Methods in Orthotics/Prosthetics (Postgraduate) program.

See the S407 Clinical Methods in Orthotics/Prosthetics program web page for full admission requirements.

**ADMISSION REQUIREMENTS**

Applicants are selected on the basis of their academic achievement, including the required courses, and the selection criteria outlined below.

- Ontario Secondary School Diploma or equivalent**
- Grade 12 English (C or U)
- Grade 11 Math (M or U) or Grade 12 (C or U)
- Grade 11 Biology (C or U) or Grade 12 (U)
- Post-secondary (college or university) courses that are equivalent to the secondary school requirements stated will be accepted (certain courses only)
- Department interview (in person), including a written test (English, Math, Human Anatomy), dexterity test and problem solving tasks

Please note: Physics courses are recommended prior to starting the program.
Please visit georgebrown.ca/prostheticsorthotics for more information.

**Mature student status (19 years or older and no OSSD)**

Mature Students may take the Admissions Assessment3 for English, Math or Science, OR may consider upgrading to achieve the credit(s) needed in English4, Math5 or Science6.

**COURSE EXEMPTIONS**

College or university credits may qualify you for course exemptions. Please visit georgebrown.ca/transferguide for more information.

This program is available to domestic applicants only.

**SPECIAL REQUIREMENTS**

**ADDITIONAL MANDATORY REQUIREMENTS**

**PRE-PLACEMENT HEALTH FORM (FOR SECOND YEAR STUDENTS ONLY)**

- Second year students must meet all the mandatory pre-placement health requirements for this program. It may take up to four months to complete all the requirements.
- All costs, service fees and fines associated with the overall health requirements are the responsibility of the student.
- For further details and to download the mandatory pre-placement health form, go to the Pre-placement website at georgebrown.ca/preplacement.

**POLICE VULNERABLE SECTOR CHECK (FOR SECOND YEAR STUDENTS ONLY)**

- In compliance with requests from our placement partners, all students in this program are required to have a police vulnerable sector check completed, and this check must be renewed annually before entering into field or clinical placement.
- The police vulnerable sector check process typically takes two to three months, but under some circumstances can take four to eight months. This is required to protect the clientele of our placement partner agencies, who are considered “vulnerable persons” under the law.
- Students are responsible for ensuring that the police record check covers appropriateness for “individuals being employed and/or volunteering who will be working with vulnerable person(s).”
- Students are required to keep the original copy of their police vulnerable sector check.
- Students who are unable to provide a “clear” police reference check may not be able to start their field or clinical placement and therefore may be unable to complete the program. Students who are not eligible to attend their practice placement due to a “not clear” status will jeopardize their progress in the program.
- Failure to meet the requirements for field placement will prevent students from completing the program and/or securing employment.
- The fees for the police record check vary and must be paid by the student. For more information, please visit the Pre-placement website at georgebrown.ca/preplacement/record_check

**CONTACT US**

Phone: 416-480-5783 and leave a message at this number.
Email: applicant_info@gbcpsando.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**

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.