

PRE-HEALTH SCIENCES PATHWAY TO ADVANCED DIPLOMAS AND DEGREES

Program: PHPA

Credential: Ontario College Certificate

Delivery: Full-time

Length: 2 Semesters

Duration: 1 Year

Effective: Fall 2025, Winter 2026

Location: Barrie (Fall, Winter), Online (Fall, Winter), Owen Sound (Fall)

Description

In this Pre-health Sciences preparatory program, you develop life-long personal, professional and academic skills and habits to support success in your academic and career goals. Classroom studies in math, chemistry, physics, and biology are brought to life through your hands-on experience in Georgian College's modern laboratory facilities. You explore current career opportunities in health care and the educational requirements, roles and responsibilities for each, including strategies that support equity, diversity, inclusion and belonging. Throughout the program, you also build problem-solving, critical thinking and communication skills.

As a student in this program, you gain valuable learning, experience and insight into what is required to be successful in college studies. As an added bonus, you earn post-secondary course credits that may be eligible for transfer credits in future college programs.

As a graduate of this program, you are prepared for success in further health care and medical sciences studies offered through advanced diploma and/or degree programs. Please note that all programs have their own minimum GPA requirements and completing the Pre-health Sciences program does not guarantee acceptance into other programs.

Career Opportunities

Graduates of this program are well-prepared to apply for admission to college advanced diploma programs or to general science degree programs in a wide range of studies in health sciences and general sciences.

Successful completion of the program does not guarantee entry into any health science and/or general science program.

Program Learning Outcomes

The graduate has reliably demonstrated the ability to:

1. examine biological concepts, processes and systems of the human body, including genetics and epigenetics, as well as the structure, function and properties of the molecules of life, cells, tissues and organ systems in relation to homeostasis, physical development and health;
2. examine concepts, processes and systems of chemistry, including atomic and molecular structure; quantities in chemical reactions; solutions and solubility; acids and bases; as well as organic chemistry and biochemistry in relation to health and the human body;

3. solve numeric problems and interpret data related to health sciences and other science-related fields using mathematical concepts, including algebra and probability, along with descriptive and inferential statistics;

4. use health sciences and other science-related language and terminology appropriately to communicate clearly, concisely, and correctly in written, spoken, and visual forms;

5. prepare a personal strategy and plan for academic, career and professional development in the health sciences or other science-related fields;

6. investigate health sciences and science-related questions, problems and evidence using the scientific method;

7. examine fundamental physics laws and concepts and their application to health sciences and other science-related fields;

8. employ safe, environmentally sustainable practices within the health sciences environment;

9. apply basic entrepreneurial strategies to identify and respond to new opportunities.

Program Progression

The following reflects the planned progression for full-time offerings of the program.

Fall Intake - Barrie, Owen Sound

- **Sem 1:** Fall 2025
- **Sem 2:** Winter 2026

Winter Intake - Barrie

- **Sem 1:** Winter 2026
- **Sem 2:** Summer 2026

Admission Requirements

- Ontario Secondary School Diploma (OSSD) or equivalent, or mature student status
- Grade 12 English (C or U)

Mature students, non-secondary school applicants (19 years or older), and home school applicants may also be considered for admission. Eligibility may be met by applicants who have taken equivalent courses, upgrading, completed their GED, and equivalency testing. For complete details refer to: www.georgiancollege.ca/admissions/academic-regulations/ (<https://www.georgiancollege.ca/admissions/academic-regulations/>)

Applicants who have taken courses from a recognized and accredited post-secondary institution and/or have relevant life/learning experience may also be considered for admission; refer to the Credit for Prior Learning website for details:

www.georgiancollege.ca/admissions/credit-transfer/ (<https://www.georgiancollege.ca/admissions/credit-transfer/>)

Graduation Requirements

9 Program Courses

2 Communications Courses

1 General Education Course

Graduation Eligibility

To graduate from this program, the passing weighted average for promotion through each semester, and to graduate is 60%. Additionally, a student must attain a minimum of 50% or a letter grade of P (Pass) or S (Satisfactory) in each course in each semester unless otherwise stated on the course outline.

Program Tracking

The following reflects the planned course sequence for full-time offerings of the Fall intake of the program. Where more than one intake is offered contact the program co-ordinator for the program tracking.

Semester 1		Hours
Program Courses		
BIOL 1021	Biology for Health and Sciences 1	56
CHEM 1008	Chemistry for Health and Sciences 1	56
HLTH 1007	Foundations for Success in Health Sciences	42
MATH 1030	Math for Health and Sciences 1	42
Communications Course		
Select 1 course from the communications list during registration.		42
General Education Course		
Select 1 course from the general education list during registration.		42
Hours		280
Semester 2		
Program Courses		
BIOL 1022	Biology for Health and Sciences 2	56
CHEM 1009	Chemistry for Health and Sciences 2	56
HUMN 1000	Critical Thinking	42
MATH 1031	Math for Health and Sciences 2	42
PHYS 1006	Physics for Health and Sciences	56
Communications Course		
Select 1 course from the communications list during registration.		42
Hours		294
Total Hours		574

Graduation Window

Students unable to adhere to the program duration of one year (as stated above) may take a maximum of two years to complete their credential. After this time, students must be re-admitted into the program, and follow the curriculum in place at the time of re-admission.

Disclaimer: *The information in this document 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.*

Program outlines may be subject to change in response to emerging situations, in order to facilitate student achievement of the learning outcomes required for graduation. Components such as courses, progression, coop work terms, placements, internships and other requirements may be delivered differently than published.