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 2023, Winter 2024
Location: Barrie (Fall, Winter), Muskoka (Fall, Winter), Orangeville (Fall, Winter), Owen Sound (Fall, Winter), South Georgian Bay (Fall, Winter)

Description

This program is designed to prepare students for success in their pursuit of a career in the field of health sciences. Students are afforded opportunities to explore various health science careers while fostering the professional attitudes and the solid knowledge and skill base required for entry into those careers. Studies encourage personal, professional and career awareness, study skills to support student academic success, and the essential employability skills required in today's workforce. Course offerings emphasize communications, biology, anatomy/physiology, general, organic and biochemistry, safe laboratory practice, medical terminology, interprofessional practice, cultural competencies, including indigenization, mathematics and physics. The application of these skills to health sciences and related science disciplines is incorporated into the entire program. The curriculum meets or exceeds the standards set by the current Ministry policy and provides potential for transferable post-secondary credits.

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 science or general science.

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 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, Muskoka, Owen Sound, Orangeville, South Georgian Bay

- **Sem 1:** Fall 2023
- **Sem 2:** Winter 2024

Winter Intake - Barrie, Muskoka, Orangeville, Owen Sound, South Georgian Bay

- **Sem 1:** Winter 2024
- **Sem 2:** Summer 2024

Admission Requirements

OSSD or equivalent with

- 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.