

# Fleming College

## Pre-Health Sciences Pathway to Certificates and Diplomas

Formerly named: General Arts and Science - College Health Science

Ontario College Certificate ( 2 semesters )

### START IN SEPTEMBER 2022

Classes begin:	September 06, 2022
Offered at:	Sutherland Campus
Program code:	GHS
Tuition (Domestic):	\$2,053.62 per semester*
Tuition (International):	\$8,047.26 per semester*

\*Tuition amounts are from the 2021-2022 academic year and are subject to change.

### PROGRAM COORDINATOR

**Susan Hyndman**

705-749-5530 ext. 1620

susan.hyndman@flemingcollege.ca

### Program Highlights

This pathway program is designed to prepare you for admission to college programs in health sciences, biological or chemical sciences, while you learn about possible careers in these fields. The program provides the knowledge and skills in communication, mathematics, human anatomy, biology and chemistry needed to be successful in related college programs. Upon successful completion of this two-semester program, you will be eligible for admission to college programs such as:

- » Paramedic
- » Practical Nursing
- » Pharmacy Technician
- » Health Information Management
- » Occupational Therapist Assistant and Physiotherapist Assistant

Fleming College has reserved space in the above-noted programs for qualified graduates of this program. For consideration in this category, graduates must have achieved an average of 70% or higher over the duration of the Pre-Health Sciences Pathway program. If there are more applications from graduates with 70% or higher than reserved seats available, a selection process based on an average of overall marks will take place.

Please note: To be considered for your program of choice, your Ontario College application must be received by the Equal Consideration Application Deadline date.

While taking the Pathway to Certificates and Diplomas program you will explore program options. If you find that a career in health sciences is not as appealing as you had thought, you may consider other Fleming programs. Fleming College has also reserved space in the following programs for qualified graduates of the Pre-Health Sciences Pathway to Certificates and Diplomas:

- » Fitness and Health Promotion
- » Mental Health And Addiction Worker
- » Pre-Service Firefighter Education and Training
- » Social Service Worker

Throughout the Pre-Health Sciences program, you will learn in a supportive environment and gain hands-on experience in our chemistry and biology labs. Our health curriculum is integrated, and you will also take college-level courses to help you become a competent communicator and problem solver, with the critical analytical, creative and logical thinking skills needed in the workplace. In addition, you can earn from two to four credits towards your subsequent college diploma, depending upon your program choice.

Please note: International students are not eligible to enter the following programs either directly, or through the GHS bridge:

- » Paramedic
- » Practical Nursing

## Is this You?

To succeed in this program, you require:

- » strong oral and written communication skills
- » ability to work as part of a team, as well as independently
- » commitment to making your education work
- » good time management and organizational skills
- » willingness to explore your options

## Additional Costs

In addition you should plan to spend at least \$700 per year for books and supplies.

## Minimum Admission Requirements

Students applying to Pre-Health Sciences Pathway to Certificates and Diplomas must meet the following requirements:

- » OSSD including Gr 12 English and one Gr 11 C Science

OSSD with majority of courses at College (C ) or Open (O) unless otherwise stated.  
Grade 12 C courses will be accepted where Gr 11 C course requirements are listed.  
Where College level courses are listed, U and M courses will be accepted.

## Mature Students

If you are 19 years of age or older before classes start, and you do not possess an OSSD, you can write the Skillsmarker to assess your eligibility for admission. Additional testing or academic upgrading may be necessary to meet specific course requirements for this program.

## Vocational Learning Outcomes

- » Examine fundamental biological concepts, processes and systems of the human body, including the structure, function and properties of the molecules of life, cells, tissues and organ systems in relation to homeostasis and health
  - » Examine fundamental concepts, processes and systems of chemistry, including matter and chemical bonding; quantities in chemical reactions; solutions and solubility; acids and bases; as well as nomenclature, structure and properties of organic compounds, in relation to health and the human body.
  - » Solve basic numeric problems and interpret data related to health sciences and other science-related fields using mathematical concepts, including algebra, basic probability and descriptive statistics.
  - » Use health sciences and other science-related language and terminology appropriately to communicate clearly, concisely, and correctly in written, spoken, and visual forms.
  - » Prepare a personal strategy and plan for academic, career and professional development in the health sciences or other science-related fields
  - » Investigate health sciences and science-related questions, problems and evidence using the scientific method.
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## Courses and Descriptions

### SEMESTER 1

Chemistry for College Health Science I	SCIE 150	Hours: 45
Communications I	COMM 201	Hours: 45
Human Biology I	SCIE 148	Hours: 45
Mathematics for College Health Science I	MATH 117	Hours: 45
Professional Issues in Health Science	HLTH 273	Hours: 45
Introduction to Psychology	SOCI 36	Hours: 45

### SEMESTER 2

Chemistry for College Health Science II	SCIE 151	Hours: 45
Communications II	COMM 202	Hours: 45
Human Biology II	SCIE 149	Hours: 45
Integrating Theory & Practice	HLTH 274	Hours: 30
Mathematics for College Health Science II	MATH 118	Hours: 45
General Education Elective	GENED	Hours: 45

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599 Brealey Drive, Peterborough, Ontario, K9J 7B1, Canada 705-749-5530