



2 YEARS

www.dawsoncollege.qc.ca/enriched-health-life

If you would like to:

- Be part of a small and super committed learning community
- Go beyond the Health and Life Sciences curriculum and challenge yourself
- Learn outside the classroom through extracurricular activities
- Participate in field trips to world-class research facilities
- Conduct original research with Dawson teachers
- Be well prepared for university studies in life sciences, medicine, ecology or environmental sciences
- Ensure you have the prerequisites required for medicine

Then the Enriched Health and Life Sciences Profile could be for you.

Dreaming of a career in medicine, dentistry or health and life sciences? The Health and Life Sciences Profile is designed for students with a particular interest in biology and chemistry.

The first year gives students a wide variety of courses in science disciplines. The second year allows students to go deeper into disciplines related to health science. They will take the prerequisite courses for medicine: Human Anatomy and Physiology; and Organic Chemistry. In addition, they will have guaranteed spots in courses related to health and environmental science for their Integrative Project.

Students in this profile are part of a brilliant and curious learning community. Dawson's Health and Life Sciences students are Quebec's future leaders in medicine, research, industry and academia.

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The Enriched Science program has taught me to think outside of the box when it comes to science. I enjoy being able to solve complex problems with my peers in an interactive classroom, designing my own lab experiments, and partaking in multiple extra-curricular activities that fuel my passion about science as a whole!

— Mahan M.

What will you learn?

- To think like a scientist
- To employ a scientific method
- To read and analyze scientific publications
- To choose and appropriately use digital technologies to support learning, to present content, to model, to simulate and to program
- To design and implement a scientific project
- To collect, analyze and communicate experimental data
- To solve complex problems

Where will this program lead you?

Graduates of this profile are well prepared for a wide variety of university studies, such as medicine, dentistry, physiotherapy, physiology, biochemistry, pharmacology, veterinary medicine, ecology, or environmental sciences.

What do you need to apply?

- Secondary V Chemistry
- Secondary V Physics
- Secondary V Mathematics: Technical & Scientific option (TS) or Science option (SN)

Application Deadline

March 1

Health Science Option Courses

Health Science students will choose two option courses from this list. Please note that not all courses are offered every year.

- Human Anatomy and Physiology
- Field and Community Ecology
- Biotechnology
- Topics in Biology
- Multivariable Calculus
- Discrete Mathematics
- Linear Algebra 2
- Topics in Mathematics
- Organic Chemistry
- Environmental Chemistry
- Forensic Chemistry
- Organic Chemistry 2
- Topics in Chemistry
- Astrophysics
- Engineering Physics
- Medical Physics
- Topics in Physics
- Physical Geology
- Topics in Geology
- Programming in Science 2
- Programming for Data Science
- Algorithms: Real World Applications
- Topics in Computer Science
- Applied Mathematics in Science
- Topics in Science

LIST OF SPECIFIC COURSES

All students must also take General Education courses such as English, French, Humanities and Physical Education, in addition to complementary courses.

YEAR 1

Term 1	Term 3
<ul style="list-style-type: none">▪ Calculus I▪ General Chemistry▪ Ecology and Evolution	<ul style="list-style-type: none">▪ Probability and Statistics▪ Electricity and Magnetism▪ Choice (1): Cellular Biology OR Chemistry of Solutions▪ Choice (1): Option Course
Term 2	Term 4
<ul style="list-style-type: none">▪ Calculus II▪ Mechanics▪ Choice (1): Cellular Biology OR Chemistry of Solutions▪ Programming in Science	<ul style="list-style-type: none">▪ Linear Algebra and Vector Geometry▪ Waves and Modern Physics▪ Choice (1): Option Course▪ Integrative Project