

Application deadline &gt; March 1

[www.dawsoncollege.qc.ca/enriched-pure-applied](http://www.dawsoncollege.qc.ca/enriched-pure-applied)**If you would like to:**

- Be part of a small and very committed learning community
- Go beyond the Pure and Applied Science 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

**Then the Enriched Pure and Applied Science Profile could be for you.**

Explore, research and discover what interests you most in the vast world of science. The Pure and Applied Science Profile offers exposure to many disciplines in the first year. In the second year, students can go deeper into topics of particular interest, such as ecology and the environment, engineering, and computer science. The Integrative Project is another opportunity to choose what you wish to learn.



The program exposes students to another side of science not usually covered in the curriculum, such as aspects of Research and Development and applications of science in solving real-world problems.

– Lucas C.

### 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 profile lead you?

Graduates of this profile are well prepared for a wide variety of university studies, such as engineering, physics, mathematics, or computer science.

### What do you need to apply?

In addition to the admission requirements for Pure and Applied Science, you must also have:

- An overall average of at least 80%
- A minimum of 85% in at least two of the Secondary V science prerequisite courses and a minimum of 80% in the third

### What else should you know?

- Students who are not accepted into Enriched Pure and Applied Science will be automatically considered for Pure and Applied Science
- Being in Enriched Pure and Applied Science does not disadvantage students when it comes to the R-Score since R-Scores are calculated in relation to the entire body of students in the Science program

### Selection of Science Option Courses

Pure and Applied 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
- Multivariable Calculus
- Discrete Mathematics
- Linear Algebra 2
- Organic Chemistry
- Environmental Chemistry
- Forensic Chemistry
- Organic Chemistry 2
- Astrophysics
- Engineering Physics
- Medical Physics
- Physical Geology
- Programming in Science 2
- Programming for Data Science
- Algorithms: Real World Applications
- Applied Mathematics in Science