

Program Grid

SEMESTER 1

Mathematics
Chemistry
Physics
English
Humanities
Physical Education
French or Complementary

SEMESTER 2

Mathematics
Chemistry
Physics
English
Humanities
Physical Education
French or Complementary

SEMESTER 3

3 from list of Compulsory and Optional Concentration courses
English
Humanities or French
Physical Education or Complementary

SEMESTER 4

3 from list of Compulsory and Optional Concentration courses
English
Humanities or French
Physical Education or Complementary

COMPULSORY CONCENTRATION COURSES

General Biology 1
Calculus 1
Calculus 2
Linear Algebra
General Chemistry 1
Chemistry of Solutions
Mechanics
Waves
Electricity and Magnetism

OPTIONAL CONCENTRATION COURSES

Human Physiology
General Biology 2
Introduction to Mathematics
Probability and Statistics
Numerical Methods
Calculus 3
Linear Algebra 2
Differential Equations
Introductory Chemistry
Chemistry of Wine
Food and Drugs
Health and Beauty
Organic Chemistry 1
Organic Chemistry 2
Introductory Physics
Astrophysics
Statics and Engineering
Physics
C++ Programming

200.B0

Pure and Applied Science

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This program is for students who intend to pursue university studies in engineering or the physical sciences.

What can I do after I graduate with a DEC in Science?

All Science programs lead to advanced future studies in a variety of areas. Graduates of Pure and Applied Science typically enter (but are not limited to) programs like:

- Engineering
- Computer Science Engineering
- Architecture
- Astronomy
- Law
- Education
- Geology
- Mathematics
- Physics



Admission Requirements:

Admission to the College is on the basis of the Quebec Secondary School Diploma (*Diplôme d'études secondaires*); or the Quebec Diploma of Vocational Education (*Diplôme d'études professionnelles*) with Secondary 5 first and second languages as well as Secondary 4 Mathematics; or equivalent scholarship completed outside the province.

Admission to Pure and Applied Science requires the following prerequisite courses:

- Math TS/SN 506 or Cegep Math 201-015-50 or adult education MTH 5101-5111 (inclusive)
- Physics 504 or Cegep Physics 203-001-50 or adult education PHS 5041, 5042 & 5043 with labs
- Chemistry 504 or Cegep Chemistry 202-001-50 or adult education CHE 5041, 5042 & 5043 with labs

Admissions Information:

admissions@vaniercollege.qc.ca or
514.744.7100 or 514.744.7881

Website:

www.vaniercollege.qc.ca/science/about-science-programs/pure-and-applied-science.html for more information including Course Descriptions and Graduation and Academic standards

Coordinator:

science@vaniercollege.qc.ca or
514.744.7500 local 6024
for more information about the Science programs

Coordinator:

honours-science@vaniercollege.qc.ca or
514.744.7500 local 6026 for more information about
Honours Science programs in Pure and Applied Science