

# INTERDISCIPLINARY SCIENCE

## CONCENTRATION 3 YEARS Courses for Students Enrolling in Fall 2023

The Program comprises a minimum of 54 credits in at least 3 different science subjects. The main science subjects are defined as a sequence of courses with the code BIOL, CHMI, COSC, ENSC, GEOL, MATH or PHYS. Details are:

**a)** 36 credits from two main science subjects (minimum of 18 credits each). Each one of these two science subjects consists of 6 credits at the 1000 level, plus a minimum of 12 credits at the 2000, 3000 or 4000 level. See “Other regulations” for exceptions.

**b)** 18 credits of other science courses, broken down as:

6 credits from one of BIOL, CHMI, COSC, ENSC, GEOL, MATH, PHYS, other than science subjects chosen in a);

12 credits from any of the science subjects listed above.

Note that a minimum of 3 credits in each of MATH and COSC is required.

Students who do not have U-level credits in “Advanced Functions” or “Calculus and Vectors” should take MATH 1912.

Note that only a limited number of ENSC and PHYS credits are available; please consult with the program coordinator for guidance if you select either of these two subjects as a main science subject.

**c)** 6 credits from this list (List A)\*:

ENGL 1540E Academic Reading and Writing for Native English Speakers

ENGL 1550E Academic Reading and Writing for Non-Native English Speakers

FREN 1050F Beginner level: Oral and written communications in French as a second language

Communication orale et écrite en Français langue seconde : niveau débutant

FREN 1060F Intermediate-advanced level: Mastering oral and written expression in French as a second language

Perfectionnement de l'expression orale et écrite en intermédiaire-avancé

FREN 1505F Oral and written French supported by technology

Le français oral et écrit appuyé par la technologie

LANG 1005F Grammaire appliquée à la rédaction

\*Or 6 credits of other equivalent language courses approved by the coordinator.

**d)** 6 credits from this list (List B)\*:

HIST 3906E History of Science and Technology to 1700

HIST 3907E History of Science and Technology Since 1700

ENGR 4117E Engineering, Technology and Society

\*Or 6 credits of other equivalent science and society-themed courses approved by the coordinator.

**e)** 24 credits of electives

\*Online option offering main subjects only in Biology, Chemistry, Geology and Physics)

### Other regulations:

- A science subject in Environmental science (ENSC) consists of ENSC 1406 and ENVI 1507, plus the remainder in ENSC courses at the 2000, 3000 or 4000 level or other environmentally relevant courses approved by the coordinator.
- A science subject in Mathematics consists of MATH 1036/37, 1056/57 plus the remainder at the 2000, 3000 or 4000 level. The course STAT 2246 Statistics for Scientists may count towards a MATH science subject.
- Students must take at least 3 science credits at the 3000 or 4000 level from one of the two main science subjects selected in a) above.
- Students may take a maximum of 48 credits at the first-year level.
- Students must have a GPA of 3.5 in each science subject, and 3.5 overall to graduate.

