

BACHELOR OF SCIENCE

This program lets you explore different scientific disciplines and thus acquire a broad background in all the sciences. If along the way you develop an interest in a particular field, you can transfer to the program in question.

This program is offered in English and in French.

Program Requirements

Requirements for this program have been modified. Please consult the 2025-2026 calendars (<https://catalogue.uottawa.ca/en/archives/>) for the previous requirements.

A maximum of 45 course units can be taken at the 1000 level. The compulsory and optional Science courses and the electives can be combined to fulfill the requirements of any options offered by the University of Ottawa.

One option from the following: 6 Units

Option 1:

MAT 1320 Calculus I

MAT 1322 Calculus II

Option 2:

MAT 1330 Calculus for the Life Sciences I

MAT 1332 Calculus for the Life Sciences II

12 course units from: 12 Units

BIO 1131 Introduction to Organismal Biology

BIO 1141 Introduction to Cell and Molecular Biology

BIO 1150 BioZoo: An Introduction Laboratory in Biology

CHM 1311 Principles of Chemistry

CHM 1321 Organic Chemistry I

EVS 1101 Introduction to Environmental Science

GEO 1111 Introduction to Earth Systems

GEO 1115 Introduction to Earth Materials

ITI 1120 Introduction to Computing I

ITI 1121 Introduction to Computing II

MAT 1341 Introduction to Linear Algebra

MAT 1348 Discrete Mathematics for Computing

PHY 1121 Fundamentals of Physics I ¹

PHY 1122 Fundamentals of Physics II ¹

PHY 1321 Principles of Physics I ²

PHY 1322 Principles of Physics II ²

12 optional course units in biochemistry (BCH), biology (BIO), biomedical science (BIM), biopharmaceutical science (BPS), chemistry (CHM), environmental science (EVS), geology (GEO), mathematics (MAT), microbiology and immunology (MIC), physics (PHY), or CMM 4360, PHA 4107, PHS 3341, PHS 3342, PHS 4300, PHS 4336. 12 Units

15 optional course units in biochemistry (BCH), biology (BIO), biomedical science (BIM), biopharmaceutical science (BPS), chemistry (CHM), environmental science (EVS), geology (GEO), mathematics (MAT), microbiology and immunology (MIC), physics (PHY) at the 3000 or 4000 level, or CMM 4360, PHA 4107, PHS 3341, PHS 3342, PHS 4300, PHS 4336. 15 Units

12 elective course units offered by the Faculty of Arts, the Faculty of Education, the Faculty of Law, the Faculty of Social Sciences or the Telfer School of Management 12 Units

33 elective course units 33 Units

Total: 90 Units

Note(s)

¹ Cannot be combined with PHY 1321 and PHY 1322.

² Cannot be combined with PHY 1121 and PHY 1122.