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 2018-2019 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 1130 Introduction to Organismal Biology
- BIO 1140 Introduction to Cell and Molecular 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.

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.

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<tr>
<th>Requirement</th>
<th>Units</th>
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<td>Total</td>
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**Note(s)**

1. Cannot be combined with PHY 1321 and PHY 1322.
2. Cannot be combined with PHY 1121 and PHY 1122.