# Self-Assessment of BSc Degree Requirements

**Important:** You must follow **ALL** of one set of requirements below (e.g. left OR right column). You cannot pick and choose between the two options.

## Old Requirements
Default for students who started their UBC BSc degree before April 2018.
*Full details archived in Academic Calendars up to and including 2018-2019.

### Lower Level Requirements

#### COMPUTATIONAL SCIENCES
- Complete one of:
  - ☐ MATH 100, 102, 104, 110, 180, 184, or 120
  - AND
  - ☐ 6 computational credits (CPSC, MATH, or STAT)

#### PHYSICAL SCIENCES
- Chemistry 12 Credit:
  - ☐ Credit fulfilled
  - OR
  - If no Chemistry 12 credit:
    - ☐ CHEM 100 or 111

- Physics 12 Credit:
  - ☐ Credit fulfilled
  - OR
  - If no Physics 12 credit:
    - ☐ 3 credits of 100-level PHYS (normally PHYS 100)

- ☐ 6 to 8 credits of CHEM and/or PHYS lecture courses at the 100-level beyond CHEM 100 and PHYS 100

### BIOLOGY REQUIREMENT
- Biology 11 or 12 Credit:
  - ☐ 3 credits of an ASTR, ATSC, BIOL, EOSC, or GEOB lecture course.
  - OR
  - If no Biology 11 or 12 credit:
    - ☐ 3 credits of 100-level BIOL (usually BIOL 111).

### LABORATORY SCIENCE
- ☐ Two one-term laboratory courses chosen from ASTR, BIOL, CHEM, EOSC, GEOB, PHYS, and PSYC.
*These may be stand-alone labs or parts of lecture-lab courses included in other requirements listed above.

### Note: Science One (SCIE 001)
Students with credit for Science One (SCIE 001) and BIOL 140 satisfy:
- Lower level requirements for physical sciences, biology, and laboratory science AND
- 6 of 9 required credits in computational science.

## New Requirements
Default for students who started their UBC BSc degree in or after May 2018.
*Full details published in the 2019-2020 Academic Calendar.

### Lower Level Requirements

#### FOUNDATIONAL REQUIREMENT
- Biology 11 or Biology 12 credit:
  - ☐ Credit fulfilled
  - OR
  - If no Biology 11 or Biology 12 credit:
    - ☐ 3 credits of 100-level BIOL (usually BIOL 111)

- Chemistry 12 Credit:
  - ☐ Credit fulfilled
  - OR
  - If no Chemistry 12 credit:
    - ☐ CHEM 100 or CHEM 111

- Physics 12 Credit:
  - ☐ Credit fulfilled
  - OR
  - If no Physics 12 credit:
    - ☐ 3 credits of 100-level PHYS

- ☐ 6 to 8 credits of CHEM and/or PHYS lecture courses at the 100-level beyond CHEM 100 and PHYS 100

### LABORATORY SCIENCE REQUIREMENT
- Complete one of:
  - ☐ ASTR 101
  - ☐ ASTR 102
  - ☐ BIOL 140
  - ☐ CHEM 111
  - ☐ CHEM 121
  - ☐ CHEM 123
  - ☐ EOSC 111
  - ☐ PHYS 101
  - ☐ PHYS 107
  - ☐ PHYS 109
  - ☐ PHYS 119
  - ☐ PHYS 159
  - ☐ SCIE 001
<table>
<thead>
<tr>
<th>Old Requirements</th>
<th>New Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Breadth Requirement</strong>*</td>
<td><strong>Science Breadth Requirement</strong></td>
</tr>
<tr>
<td>□ 9 credits combined in Science courses outside the field of major or in additional Arts courses</td>
<td>You will have completed some of these courses as part of your specialization. Promotion to fourth year requires that you complete all but one of the courses below. See Academic Calendar for more details.</td>
</tr>
</tbody>
</table>

Students in a major or honours specialization must successfully complete at least **3 credits each from any 6 of the 7 categories.**

Students in a combined major or combined honours specialization must successfully complete at least **3 credits each from any 5 of the 7 categories.**

1. **Mathematics**
   - □ All MATH courses, except MATH 302

2. **Chemistry**
   - □ All CHEM courses, except CHEM 100, 300

3. **Physics**
   - □ All PHYS courses, except PHYS 100

4. **Life Science**
   - □ All BIOL courses except BIOL 140, 300;
   - All BIOC, MICB courses; GEOB 207;
   - PSYC – courses numbered from 60 to 89 in the last 2 digits

5. **Statistics**
   - □ BIOL 300, DSCI 100, MATH 302, all STAT courses

6. **Computer Science**
   - □ All CPSC courses

7. **Earth & Planetary Science**
   - □ All ASTR, ATSC, ENV R, EOSC, GEOB courses except EOSC 111 and GEOB 207

**Note: Science One (SCIE 001)**
Students with credit for Science One (SCIE 001) satisfy at least 3 credits each from the Mathematics, Chemistry, Physics and Life Science categories.

If you have reviewed the information above and would like to request to follow the other set of requirements, complete the online request form. If you want to follow your default requirements, you do not need to take any action.

As a reminder, you are required to complete ALL of the requirements in only one of the columns above.

**Questions?**
Visit Science Advising in person or give us a call at 604.822.3820. We are best able to help through a conversation, please do not email.