COMBINED MAJOR IN SCIENCE
http://www.cms.science.ubc.ca/home
Chemistry (CHEM), Mathematical Sciences – Statistics (STAT), Life Sciences (LSC)

First Year

- MATH 100 (or equiv.)
- MATH 101 (or equiv.)
- CHEM 121 (or 111)
- CHEM 123
- PHYS 101 or 107 or 117
- BIOL 112
- BIOL 121 BIOL 140
- Communication (See page 2)
- Communication (See page 2)

Second Year

- STAT 200 (or equiv.)
- CHEM 233, 235
- CHEM 205 or 208 or 211 or 213
- MATH 152 OR 221 OR 223
- MATH 220 OR 226
- BIOL 200
- BIOL 2XX recom.
- Arts (See page 2)
- Arts (See page 2)

Third and Fourth Year – See below for specific information on packages

- SCIE 300
- CHEM 341
- STAT 300
- LSC pkg Course 1
- LSC pkg Course 2
- Arts (See page 2)
- Arts (See page 2)
- Generalist req. (see page 2)
- CHEM pkg Course 2
- STAT 306 or STAT 344
- LSC pkg Course 3
- Lab req. (See page 2)
- Lab req. (See page 2)
- Lab req. (See page 2)
- Lab req. (See page 2)
- Lab req. (See page 2)

1. CHEMISTRY (CHEM) CMS PKG COURSES:
   - 6 credits CHEM courses 300- or 400-level (except: CHEM 300, CHEM 348)

2. LIFE SCIENCES (LSC) CMS PKG COURSES:
   - Courses at the 300- or 400-level in CAPS, BIOC, BIOL (except: BIOL300, 344, 345, 346, 448), MRNE, MEDG, PCTH; as well as GEOB 307, 407, EOSC 470, 471, 474, 475, 478, PSYC 360-371 and 460 - 472.

MAKE SURE YOU FULFILL THE REQUIREMENTS FOR THE BSC (SEE PAGE 2)
LOWER LEVEL REQUIREMENTS FOR BSC:
http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,1465

CMS LAB REQUIREMENT
Must take 2 of the following:
- **CHEM 315** (1 cr) - Prerequisites: one of CHEM 233+235, CHEM 205, CHEM 208, CHEM 211
- **EOSC 442** (1 cr) - Prerequisites: EOSC 340, and one of CPSC 103, CPSC 110, CPSC 111, CPSC 301, EOSC 211, PHYS 210, MATH 210, and one of STAT 200, STAT 241, STAT 251, BIOL 300
- **BIOL 342** (2 cr) - Prerequisite: BIOL 121, 140
- **PHYS 309** (3 cr) - Prerequisite: PHYS 219 and PHYS 229 (PHYS 219 has multiple prerequisites)

CMS CORE COURSES:
- **MATH 100/101** (or equivalent)
- **STAT 200** (or STAT 241 or STAT 251 or BIOL 300)
- **SCIE 300** (Communicating Science)
- **Computing Requirement**: one of: CPSC 100, CPSC 103, CPSC 110 (or 111), CPSC 301, EOSC 211, MATH 210, PHYS 210
- **Generalist Requirement**: one (at least 3 cr) of ASTR 200, PHYS 200, PHYS 305, PHYS 330, PHYS 333, EOSC 340, 326, 477, 453, 354, 329, GEOB 400

CMS GRADUATION CHECKLIST TABLE:
Review Upper Level B.Sc. Requirements:

<table>
<thead>
<tr>
<th>CREDIT TOTALS</th>
<th>Completed</th>
<th>in Progress</th>
<th>Total</th>
<th>Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Credits</strong>: includes all UBC courses, transfer credits &amp; advance credits. DO NOT count paired courses, COOP credits, or courses “not for credit in the Faculty of Science”.</td>
<td></td>
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<td><strong>120</strong></td>
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<tr>
<td><strong>Science Credits</strong>: includes all required &amp; elective Science courses at all year levels.</td>
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<td><strong>72</strong></td>
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<tr>
<td><strong>Communication Credits</strong>: six credits from ENGL 100, 110, 111, 112 (recommended), 120, 121; SCIE 113; SCIE 300 or CHEM 300; APSC 176; ASTU 100, 150; or WRDS 150; their equivalents</td>
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<td><strong>6</strong></td>
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<tr>
<td><strong>Arts Credits</strong>: includes arts courses at all year levels.</td>
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<td><strong>12</strong></td>
</tr>
<tr>
<td><strong>Upper-Level Credits</strong>: includes all courses at the 300-level and 400-level in any field (Arts, Science, and a maximum of 18 “Other” cr.).</td>
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<td><strong>48</strong></td>
</tr>
<tr>
<td><strong>Upper-Level Science Credits</strong>: includes all Science courses at the 300-level and 400-level required for program.</td>
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<td></td>
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<td><em><em>32 – 38</em>”</em>*</td>
</tr>
</tbody>
</table>

* Number of credits will depend on selection of lab and generalist requirements.

Review CMS information in Calendar:
http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,215,410,1474