### COMBINED MAJOR IN SCIENCE
http://www.cms.science.ubc.ca/home
Life Sciences (LSC), Earth and Environmental Sciences (EES), Mathematical Sciences – statistics (STAT)

#### First Year
- **Mathematics**
  - □ MATH 100 (or equiv.)
  - □ MATH 101 (or equiv.)
- **Biology**
  - □ BIOL 112
  - □ BIOL 121 + BIOL 140
  - □ PHYS 101 or 107 or 117 *(EOSC 114 recom.)*
- **Chemistry**
  - □ CHEM 121 (or 111)
  - □ CHEM 123
- **Communication**
  - □ Communication (See page 2)

#### Second Year
- **Statistics**
  - □ STAT 200 (or equiv.)
  - □ BIOL 200 *(Relevant elective)*
- **Earth and Environmental Sciences**
  - □ EES* elective
  - □ MATH 152 or 221 or 223
  - □ MATH 200 or 226
  - □ Arts (See page 2)

*EES Elective*: students pursuing the LSC package will automatically fulfill this requirement by virtue of completing their 1st year BIOL courses.

#### Third and Fourth Year – See below for specific information on packages
- **Third and Fourth Years**
  - □ SCIE 300
  - □ LSC pkg Course 1
  - □ LSC pkg Course 2
  - □ EOSC 340
  - □ EOSC 326, or 355, or 372
  - □ STAT 300
  - □ STAT 302 or MATH 302
  - □ Arts (See page 2)

- **Generalist**
  - □ Generalist req. (See page 2)
  - □ LSC pkg Course 3
  - □ Lab req. (See page 2)

- **EOSC**
  - □ EOSC pkg course
  - □ STAT 306 or STAT 344

#### Third and Fourth Years (continued)

1. **LIFE SCIENCES (LSC) CMS PKG COURSES:**
   - Courses at the 300- or 400-level in CAPS, BIOC, BIOL (except: BIOL 300, 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.

2. **EARTH AND ENVIRONMENTAL SCIENCES (EES) CMS PKG COURSES:**
   - Recommended: another one of EOSC 324, 326*, 329, 330, 355, 372, 373, or GEOB 300*
   - Specific prerequisites required from the EES electives*
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) from: any CHEM 200-level or higher (except: CHEM 300); ASTR 200; PHYS 200, 305, 330, 333.

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>
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<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>
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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>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>Arts Credits</strong>: includes arts courses at all year levels.</td>
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<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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<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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* 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