

## COMBINED MAJOR IN SCIENCE

<http://www.cms.science.ubc.ca/home>

Chemistry (CHEM), Physics & Astronomy – Astronomy (ASTR), Mathematical Sciences – Computer science (CPSC)

|                             |                                                                                                                                                                                                               |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>First Year</b>           | <input type="checkbox"/> MATH 100<br>(or equiv.)<br><br><input type="checkbox"/> MATH 101<br>(or equiv.)                                                                                                      | <input type="checkbox"/> CHEM 111<br>or CHEM 121 or<br>CHEM 141<br><br><input type="checkbox"/> CHEM 123                                                                                                                                              | <input type="checkbox"/> PHYS 106<br>or PHYS 117<br>or PHYS 131<br><br><input type="checkbox"/> PHYS<br>108+119 or<br>PHYS 118+119                                                                                                                       | <input type="checkbox"/> CPSC 110<br>or CPSC 111<br>or CPSC<br>103+107<br><br><input type="checkbox"/> CPSC 121                                                                                                                           | <input type="checkbox"/> SCIE 113                                                                                                                                                                                                                             |
| <b>CMS Core<br/>courses</b> | <input type="checkbox"/> STAT 200<br>(or equiv.)<br><br><input type="checkbox"/> Computing<br>req.<br>(see main<br>PDF)<br><br><input type="checkbox"/> SCIE 300<br><br><br><input type="checkbox"/><br>_____ | <input type="checkbox"/> CHEM 203<br>or 211 or<br>233+235<br><br><input type="checkbox"/> CHEM 341<br><br><input type="checkbox"/> CHEM PKG<br>Course 1<br><br><input type="checkbox"/> CHEM PKG<br>Course 2<br><br><input type="checkbox"/><br>_____ | <input type="checkbox"/> PHYS 200<br>or PHYS 203<br><br><input type="checkbox"/> ASTR PKG<br>Course 1<br><br><input type="checkbox"/> ASTR PKG<br>Course 2<br><br><input type="checkbox"/> PHYS PKG<br>Course 1<br><br><input type="checkbox"/><br>_____ | <input type="checkbox"/> CPSC 221<br><br><input type="checkbox"/> CPSC PKG<br>Course 1<br><br><input type="checkbox"/> CPSC PKG<br>Course 2<br><br><input type="checkbox"/> CPSC PKG<br>Course 3<br><br><input type="checkbox"/><br>_____ | <input type="checkbox"/> Arts<br>(see main PDF)<br><br><input type="checkbox"/> Arts<br>(see main PDF)<br><br><input type="checkbox"/> Arts<br>(see main PDF)<br><br><input type="checkbox"/> Arts<br>(see main PDF)<br><br><input type="checkbox"/><br>_____ |

### 1. CHEMISTRY (CHEM) CMS PKG COURSES:

- 6 credits CHEM courses 300- or 400- level (except: CHEM 300, CHEM 448); Recommended courses CHEM 304, 305, 327, 402, 404, 406, 417

### 2. ASTRONOMY (ASTR) CMS PKG COURSES:

- ASTR 300, 333, 403, 406, 407  
- All PHYS courses at the 300- or 400-level, except PHYS 348

### 3. MATHEMATICAL SCIENCES – COMPUTER SCIENCE (CPSC) CMS PKG COURSES:

- 9 credits of CPSC courses 300- or 400-level  
- Recommended courses: CPSC 302, 303, 304, 312, 314, 320, 322, 340, 402, 406, 420, 421, 422, 430, 445. Note: Some courses have additional prerequisites