

## COMBINED MAJOR IN SCIENCE

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

Chemistry (CHEM), Combined Mathematical Sc (any option), Physics &  
Astronomy – Physics (PHYS)

First Year	<input type="checkbox"/> MATH 100 (or equiv.)	<input type="checkbox"/> CHEM 111 or CHEM 121 or CHEM 141	<input type="checkbox"/> CPSC 110 or CPSC 111 (Combined Math Sc A, C, D)	<input type="checkbox"/> PHYS 106 or PHYS 117 or PHYS 131	<input type="checkbox"/> SCIE 113
	<input type="checkbox"/> MATH 101 (or equiv.)	<input type="checkbox"/> CHEM 123	<input type="checkbox"/> CPSC 121 (Combined Math Sc C only)	<input type="checkbox"/> PHYS 108+119 or PHYS 118+119	
CMS Core courses	<input type="checkbox"/> STAT 200 (or equiv.)	<input type="checkbox"/> CHEM 203 or 211 or 233+235	<input type="checkbox"/> CPSC 210 (Combined Math Sc C only)	<input type="checkbox"/> PHYS 200 or 203	<input type="checkbox"/> Arts (see main PDF)
	<input type="checkbox"/> Computing req. (see main PDF)	<input type="checkbox"/> CHEM 341	<input type="checkbox"/> Combined Math Sc pkg Course 1	<input type="checkbox"/> Combined Math Sc pkg Course 1	<input type="checkbox"/> Arts (see main PDF)
	<input type="checkbox"/> SCIE 300	<input type="checkbox"/> CHEM PKG Course 1	<input type="checkbox"/> Combined Math Sc pkg Course 2	<input type="checkbox"/> Combined Math Sc pkg Course 2	<input type="checkbox"/> Arts (see main PDF)
	<input type="checkbox"/>  _____	<input type="checkbox"/>  _____	<input type="checkbox"/> Combined Math Sc pkg Course 3	<input type="checkbox"/> Combined Math Sc pkg Course 3	<input type="checkbox"/> Arts (see main PDF)

### 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. Combined Mathematical Sc Options A-D CMS PKG Courses:

#### SELECT ONE OF THE FOLLOWING COMBINED MATHEMATICAL SCIENCE OPTIONS:

**NOTE:** Courses in each option have additional pre-requisite courses and students are responsible for checking and completing the pre-req courses.

- **Option A** – Two of: MATH/STAT 302, MATH 303, STAT 305; One of: CPSC 302, CPSC 303
- **Option B** – All of: MATH/STAT 302, MATH 303, STAT 305
- **Option C** – All of: CPSC 340, STAT 306, STAT 406
- **Option D** – All of: CPSC 302, 402, MATH 307

### 3. PHYSICS (PHYS) CMS PKG COURSES:

- All PHYS courses at the 300- or 400-level, except PHYS 348

### 4. PHYSICS & ASTRONOMY (PHAS) CMS PKG COURSES:

- All PHYS and ASTR courses at the 300- or 400-level, except PHYS 348  
Recommended: PHYS 301\*, 304, 305, 309\*, 312\*, 314\*, 315\*, 318, 319\*, 330, 333, 404, 405, 420;  
ASTR 300, 333, 403, 406, 407 (\*have additional pre-requisites)