

COMBINED MAJOR IN SCIENCE

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

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

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