

Navigating the Mathematics BSc Major depending on your interests

Years 1 and 2. Take:

- Math 100 or 109, 101, 122, and CSc 110
- Math 248, or an alternate from among CSc 115, Phys 248, Stat 123
- Math 200, 204, 211, 212, 222, 236, Stat 260

Everyone should take 200 and 211 in term 1 of second year, and 204 in term 2 of second year. There is an advantage to taking Math 211 in term 2 of first year if interested.

Students who may take a Minor in CSc should consider CSc 115 as an alternative to Math 248. Students who may Minor in Data Science should consider Stat 123 as an alternative to Math 248.

Students who may be interested in **Applied Math** should make taking Math 236, 248 and Stat 260 a priority.

Students who may be interested in **Pure Math** should make taking Math 212 and 236 a priority.

Students who are **unsure** should consider taking Math 222 and Stat 260 in term 1 of year 2, and Math 212 and 236 in term 2.

Students who take Math 122 in term 1 of year 2 should consider taking Math 212, 222 and Stat 260 in term 2, and Math 236 in term 1 of year 3. No flexibility is lost.

Everyone should remember that advisors are available to talk about their interests and make course suggestions. Email mathadv@uvic.ca to arrange a meeting time, or ask questions by email.

Years 3 and 4. Take:

- Math 311, and either Math 352 or Stat 350
- A total of 8 courses consisting of
 - 4 Math courses at the 300-level or higher
 - 2 Math or Stat courses at the 300-level or higher
 - 1 400-level Math course
 - 1 400-level Math or Stat course

Math 352 is preferred to Stat 350 in all areas of interest below, except that students who may take a Minor in Data Science or Statistics should take Stat 350.

For the 8 Math and Stat electives:

Students who are interested in **Applied Math** should

- take the following classes as soon as possible: Math 335, 379 (or 342) 346, 348
- consider taking some of Math 301, 377, 435, 442, 446, 447, 449, 452, 475, 492 (depending on topic) and Stat 353, 359

Students who are interested in **Discrete Math** should

- take the following classes as soon as possible: 312, 322, 362, 366
- consider taking some of Math 413, 422, 423, 424, 451, 452, 462 and 492 (depending on topic)

Students who are interested in **Pure Math** should

- take the following classes as soon as possible Math 301, 312, 335, 365
- consider taking some of Math 362, 366, 369, 401, 412, 435, 436, 451, 462, 465, and 493

Students who are **unsure or have many interests** should consider taking courses from among Math 301, 312, 342 (or 379), 362, 365, 366, 377 and Stat 359, or talking to an advisor.

Everyone should remember that advisors are available to talk about their interests and make course suggestions. Email mathadv@uvic.ca to arrange a meeting time or ask questions by email.

Everyone should be aware of the **Faculty of Science Requirements Common to All Bachelor's Degrees**, including the breadth requirement. There is an advantage to having 2 Statistics classes.