

New DEC in Computer Science and Mathematics

Dear AC members,

I have a late item to discuss at the AC meeting on Tuesday. I attach the full document I was given by the University Admissions Committee, but I think the summary I give below contains all the key information.

I have to report back to the UAC next week about how we will handle admissions from this DEC. Thus, I am asking for input from the AC.

Below I give a (A) short comparison and (B) my suggestions about to handle this new DEC.

(A) Here is the short description of the existing DEC and the new one.

Regular Science DEC requires:

- 3 Math (2 calculus and 1 linear),
- 3 Physics,
- 2 Chem,
- 1 Biol,
- 1 Integrative,
- 2 options (if the options are 2nd bio and organic, then they are health science, otherwise they are pure&applied).

The new CS&Math DEC will require:

- 4 Math (2 calculus, 1 linear, 1 discrete math)
- 3 Physics
- 1 Chem
- 1 Integrative (different integrative course)
- 3 CS (Intro Programming, Data Structures, OO Programming)

(B) Here is what I propose:

(1) Clearly these CS&Math DEC students are admissible to the Faculty of Science, since they will have finished the equivalent of our new Freshman program (by design). More specifically, they will have completed the equivalent of PHYS 131/142, CHEM 110, MATH 140, MATH 141, MATH 133 and COMP 202, which satisfies our new freshman requirements.

(2) CS&Math DEC students will be able to do majors in Mathematics, Statistics, Computer Science, Software Engineering, Joint Math & CS and Joint Stats & CS without taking any further freshman prereq courses. (* need to check with Physics to see if the Physics&CS major would be ok without further courses *).

(3) They may do other majors, but if they are missing a prereq freshman course for a course in their major, then they must complete the prereq freshman course as part of their electives at McGill. For example, Physics requires CHEM 120 as a prereq for some Physics courses such as PHYS 232, Heat and Waves (is this necessary?). We would make a chart listing such courses for each major. It would be difficult for these students to do the Biological and Biomed majors because they would have to get the 2nd bio and chem courses before taking many of the courses in the major.

Cheers, Laurie