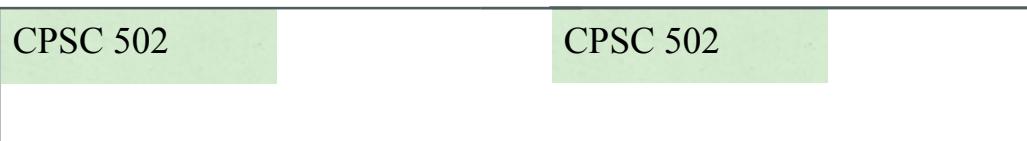


Fall 20

Winter 21



CPSC 502 is a
two semester project course.

maybe instead of including
credit hour number, we can
visually represent courses
worth more or less credits
(or block week courses).



CPSC 101 is/was a block week course
introduction to Univ



Case: Someone is currently taking a Bachelor of Arts in Economics with no selected minor. They decide at the end of their first year that they would like to change to a Bachelor of Science in Computer Science with a minor in Math.

Bachelor of Arts

Major: Economics

Minor: N/A

Fall 2019

ECON 201	
STAT 213	
MATH 265	
MATH 211	

Winter 2020

ECON 203	
STAT 217	
CPSC 231	
MATH 267	
PSYC 201	

when changing programs, we could also include when transfer applications open up.

Bachelor of Science

Major: Computer Science

Minor: Math

ECON 201 is a requirement for software engineering concentration

Fall 2019

ECON 201
MATH 265
STAT 213
MATH 211

Winter 2020

ECON 203
STAT 217
CPSC 231
MATH 267
PSYC 201

STAT 213 and MATH 271
can be used in lieu
of CPSC 251

MATH 267
is a required
course for the
minor program in MATH

MATH 267 is a requirement
for optional CPSC 453
and is required for
the concentration in
computer graphics

There should be a feature that allows the user to see the whole Computer Science program in a GUI form similar to the above. In the above example, it would fill out the next three years of courses they would need to take given the requirements they currently satisfy.

ex) The following Fall semester (Fall 2020 in this example) would have the courses CPSC 233, PHIL 279, PHIL 314, and MATH 271 or CPSC 251 (*because these are the only three required courses that the student can take*) in their columns, along with two other optional "fill-ins". There should be a prompt somewhere that those ~~three~~⁴ courses are available in the Spring and Summer semesters OR we should have a toggle option to automatically show the following Spring and Summer semester so that those ~~three~~⁴ courses automatically fill in to the Spring and Summer columns. Note that the toggle should only fill-in those courses if the courses available in the spring/summer semesters are known. The spring/summer courses become available in January of every year. Otherwise, that prompt should not automatically fill those courses in except if those courses have been available in those semesters every year for the last 5 years. (CPSC 233, PHIL 314 and MATH 271 are offered every year)

It's also important to note that PHIL 279 can be replaced with PHIL 377 which is only available in the Spring/Summer semesters and is a perfect substitute. There is a lot of complexity involved here. The user should also be notified that they can take PHIL 377 to satisfy their program requirement.

- The user should be able to drag the courses from semester to semester.
- When users go to choose their courses (in the optional block thay, it should provide a list with *last available* or *usually available* (CPSC 453 is only ever available in the Fall))
- PHIL379 is a recommended course for the BSc Computer Science and should be at the top of this list with a little recommended note by the name
- users should be able to select a concentration
- users should be able to select how many courses they want take. some people prefer to do their program in 5 years so each semester should be adjustable in size and the future courses when displaying program requirements should be fit into the new outline
the user selected

