

# **CPSC 481 Final Project README**

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## **Degree Navigator**

In the Degree Navigator section of the interface, the user will see their current degree requirement tabs containing the courses required to fulfill their degree which is displayed in the viewer area. The requirement tabs can be expanded by either clicking on the tabs individually or clicking the 'Expand All' button which will open all the tabs at once. Clicking a course in the requirement tabs (ex., MGST 217) will load it into the Course Selector viewer where more information can be found pertaining to the course. Clicking on a general course requirement (blue colored) will open the advanced course search window where the user can search for a course to fulfill that specific requirement. In addition, the user can view an additional degree and/or a minor course requirements by clicking on the '+' button which will open a window where the user can select a degree and based on the selection a major in that degree field and a concentration pertaining to that major (ex., Bachelor of Science, Major in Computer Science, Concentrating in Software Engineering). A minor can also be selected (ex., Minor in Economics). After the selections have been made, and clicking the 'Add' button, the requirement tabs for the degree and/or minor will be viewable in the Degree Navigator viewer. A similar process can be repeated for viewing a concentration course requirements for the user's current degree but to do so the user would click the 'o' button instead. If nothing was selected to be viewed and the 'Add' button was pressed an error will appear to indicate to the user. When a concentration, additional degree and/or minor is added the user can remove it from the viewer by clicking on the 'Remove All' or 'Remove' for concentrations, that will appear beside it to remove them for the viewer but the user can also click the 'View Default' button to revert to the original viewer with only the current degree requirement tabs.

## **Search**

Click the Advanced Search button to open up the Course Search window. Select BSEN in the Faculty drop down, do not change the other ones, then click search. Notice the results that come up.

Click Advanced Search again, leave the Faculty unchanged, click the Course Level dropdown, and change Course Level to 400, then click search. Notice the change in results.

Click Advanced Search again, leave Faculty unchanged, change the Course Level to 500, and click Search, notice the change in results.

Click Advanced Search again, leave Faculty and Course Level unchanged, type in “Manager” (case sensitive) in the Keyword section, notice the change in result.

Click Advanced Search again, leave Faculty and Course Level unchanged, type in “Dilemmas” (case sensitive) in the Keyword section, notice the change in result

Click Advanced Search again, change Faculty to -, and change Course Level to 300, then delete the contents of the Keyword, and click Search. Notice the results

This has shown a collection of the different advanced searches that can be used, showing the different levels and combinations of search criteria, and how they progressively narrow down the searches.

On the main page, in the Quick Search field, type in “ECON”, and click go. Note the results.

Now in the quick search field type “economics” and click go. Note the results are the same as the above since they are the same Faculty

Now in the quick search field type “macroeconomics” and click go. Note the results are only the macroeconomics courses, not the others

Now in the quick search field type “macro” and click go. Note the results are the same as macroeconomics, showing the multiple paths to narrow down to the same results.

Now in the quick search field type “intermediate” and click go. Note the results contain the intermediate economics courses, but also one from accounting, because that is an intermediate course, but from a different faculty.

These are a few of the different course quick searches that can be performed using the quick search bar, and indicate how different types of terms can be used to get results in the course selector.

## **Course Selection**

At the top of the course selector are the search options (see search section for more info) and other control buttons. These allow you to expand all courses in the viewer, collapse all courses in the viewer, or clear (remove) all courses from the viewer.

Additionally, the courses can be filtered by semester so that only the courses available in the chosen semesters will be shown.

If there is no course in the course selector area, a message will show along with a button to see the tutorial. See the Tutorial section for more info.

When a course is added to the course selector, the course will initially be minimized, showing just the department, code, title, semester, and year. Expand the semester to see more info.

When expanded, the description is available, along with all of the lecture, tutorial, and lab sections and times, when any are available. Since the tutorials and labs are associated with specific lectures, the tutorials and labs not related to a selected lecture will be greyed out and any previous selections cleared. One lecture, tutorial, and lab must be selected before being able to add the course to the cart. Should the user not select one, a message will pop up explaining the error.

Courses can be removed from the course selector by using the 'X' button at the top right.

## **Cart and Schedule**

- Adding to the Cart
  - Use Cases:
    1. Successful
      - a. Add a course into the course selector, from the MGST 217 requirement
      - b. Select one option from the course selector
      - c. Select Lecture and Tutorial for that class
      - d. Click Add to Cart
      - e. Click "Show Cart"
      - f. Course selection should appear in cart
      - g. Option to undo will appear in message for a couple seconds
    2. Unsuccessful
      - a. Add a course into the course selector, from the MGST 217 requirement
      - b. Select one option from the course selector
      - c. Click Add to Cart
      - d. You will get an error message saying you haven't chosen all sections for the course.
- Removing from the Cart
  - Use Cases:
    1. Successful (you can always remove from cart)
      - a. Follow Successful use case for Adding to the Cart
      - b. Click "Show Cart"
      - c. Press "X" on that course selection in the cart

- d. It should disappear
  - e. Option to undo will appear in message for a couple seconds
- Enrolling into course from Cart
  - Use Cases:
    1. Successful
      - a. Follow Successful use case for Adding to cart
      - b. Click “Show Cart”
      - c. Click “Enroll” for that course selection
      - d. Course should disappear from cart and move to schedule
      - e. You should see an undo message for a couple of seconds
    2. Unsuccessful
      - a. Follow Successful use case for Adding to cart, only use a course that is a 300-level
      - b. Click “Show Cart”
      - c. Click “Enroll” for that course selection
      - d. You will get an error message saying you do not have all the prereqs for that course.
- Dropping course from Schedule
  - Use Cases:
    1. Successful
      - a. Follow Successful use case for Enrolling into course from Cart
      - b. Click “Show Schedule”
      - c. Click “Drop Course” for the course you moved to schedule
      - d. Course should disappear from schedule
      - e. You will see an undo message for a couple seconds

## **Visualization**

To open the visualization, click on “View Weekly Schedule” from the schedule or cart, and it will open a popup to show you a stubbed visualization of the courses currently in your schedule.

## **Tutorial**

When the course selector is empty, a button called “Tutorial” is visible in that area, and clicking on it gives a brief explanation of the different parts of the Course Selector. This is meant to help students new get up to speed faster. To get rid of the bubbles of information, click anywhere except the bubbles.