UHCL Degree Planner

Purpose

This program will help UHCL Computer Science B.S. students select courses for the next term and all subsequent terms until graduation.

Product Features

- Students will be presented with a list of only the courses eligible to be taken for each term. Courses that have unmet prerequisites will not be shown. Upper-Level CSCI and CENG courses will not be shown until the CS Lower-Level Core is completed.
- For each course that can be taken, the number of other courses for which that course is a prerequisite will be shown. This should encourage students to prioritize taking courses that are prerequisites of other courses.
- At the beginning of the program, students can indicate courses already completed at the keyboard and/or from an input file.
- After choosing courses for each term until all requirements are completed, students will be presented with a degree plan summary that can also be saved to a file.

Inputs and Outputs

Input	Data defined in constants include the COURSECATALOG that lists courses, courses titles, and their prerequisites. Other constants include
Input	The student will be prompted to enter courses already taken and/or file names with a list of courses to load.
Output	The program will verify each course that is successfully added.
Input	The student will be prompted to enter their starting term (Fall, Spring, or Summer)
Input	The student will be prompted to enter their starting year (last 2-digits only)
Output	The program will print a heading for the term, e.g. "Fall 2017 choices:", followed by a numbered menu of eligible courses to take.
Input	The student will select courses by menu number and press <Enter> when finished.
Output	The program will restate the courses selected for that term.
	The program will continue in a loop by presenting the course menu for the next term until all required courses are complete.
Output	After all required courses have been chosen, a complete degree plan summary will be presented showing which courses are planned for each term through degree completion.
Input	The student will then be prompted to enter a file name to save the degree plan summary.
Output	If a file name is entered, the degree plan summary will be saved.

The program will end.

Schedule

Nov 7	The program already works. Continually make incremental improvements to the program code and in-line comments. Add introductory and explanatory text and dress up the presentation of prompts. Write the pseudocode. Start writing test code if I can find out what the testing guidelines are.
Nov 14	Pseudocode complete. Continue developing the test code.
Nov 21	Testing complete. Write the flowchart.
Nov 28	Flowchart complete
Nov 30	Presentation