

## UHCL Degree Planner Testing Worksheet

This black-box testing is in addition to automated tests using the unittest module from the standard library. To run the automated tests, just run degreeplanner\_tests.py.

**Prompt:** “Enter course numbers (like CSCI 1470) that you have previously completed and/or the name of a file containing course numbers. Enter a course number or a file name. Press <Enter> when finished:”

Input	Expected Output	Actual Output	Pass/Fail
writ 1301	added WRIT 1301 Composition I	added WRIT 1301 Composition I	pass
writ 1301	----- WRIT 1301 was already added	----- WRIT 1301 was already added	pass
asdf 1234	----- ASDF 1234 not recognized as a requirement for the Computer Science B.S. degree	----- ASDF 1234 not recognized as a requirement for the Computer Science B.S. degree	pass
Calculus I	----- That's not a course number or a file name.	----- That's not a course number or a file name.	pass
test_input.txt  file contents: This is a test input file  math 2413 calc 1 MATH 2414 calc 2  blah 4343	added MATH 2413 Calculus I added MATH 2414 Calculus II ----- BLAH 4343 not recognized as a requirement for the Computer Science B.S. degree	added MATH 2413 Calculus I added MATH 2414 Calculus II ----- BLAH 4343 not recognized as a requirement for the Computer Science B.S. degree	pass
WRIT 1302	added WRIT 1302 Composition II	added WRIT 1302 Composition II	pass
(press <Enter>)	(program goes to next prompt)	(program goes to next prompt)	pass

**Prompt:** Enter your starting term (1=Fall, 2=Spring, 3=Summer):

Input	Expected Output	Actual Output	Pass/Fail
Fall	----- Just the number, please.	----- Just the number, please.	pass
2018	----- 1, 2, or 3, please.	----- 1, 2, or 3, please.	pass
0	----- 1, 2, or 3, please.	----- 1, 2, or 3, please.	pass
4	----- 1, 2, or 3, please.	----- 1, 2, or 3, please.	pass
2	(program goes to next prompt)	(program goes to next prompt)	pass

**Prompt:** Enter your starting year (last 2 digits only):

Input	Expected Output	Actual Output	Pass/Fail
2018	----- Just 2 digits, please.	----- Just 2 digits, please.	pass
18	(program goes to next prompt)	(program goes to next prompt)	pass

The program displays a numbered menu of 29 courses that can be taken (numbered 1-29).

**Prompt:** Select a course by number. Press <Enter> when finished:

Input	Expected Output	Actual Output	Pass/Fail
Texas Government	----- Enter the number only.	----- Enter the number only.	pass
0	----- Invalid entry.	----- Invalid entry.	pass
30	----- Invalid entry.	----- Invalid entry.	pass
21, 22, 23, 14 (pressing <Enter> after each number and then once more)	Spring 2018 --> CSCI 1470 Computer Science I Spring 2018 --> MATH 2305 Discrete Mathematics Spring 2018 --> PHYS 2325 University Physics I Spring 2018 --> SOCI 1301 Introduction to Sociology =====... Spring 2018 --> 13 semester hours  You have selected a course without selecting its corequisite! PHYS 2325 requires PHYS 2125  Do you want to reselect courses for this term? (Y/n):	Spring 2018 --> CSCI 1470 Computer Science I Spring 2018 --> MATH 2305 Discrete Mathematics Spring 2018 --> PHYS 2325 University Physics I Spring 2018 --> SOCI 1301 Introduction to Sociology =====... Spring 2018 --> 13 semester hours  You have selected a course without selecting its corequisite! PHYS 2325 requires PHYS 2125  Do you want to reselect courses for this term? (Y/n):	pass
(press <Enter> to select the default choice)	(The same 29 Fall 2018 choices are shown again.)	(The same 29 Fall 2018 choices are shown again.)	pass
21, 22, 23, 24, 14 (pressing <Enter> after each number and then once more)	Spring 2018 --> CSCI 1470 Computer Science I Spring 2018 --> MATH 2305 Discrete Mathematics Spring 2018 --> PHYS 2325 University Physics I Spring 2018 --> PHYS 2125 University Physics I Lab Spring 2018 --> SOCI 1301 Introduction to Sociology =====... Spring 2018 --> 14 semester hours	Spring 2018 --> CSCI 1470 Computer Science I Spring 2018 --> MATH 2305 Discrete Mathematics Spring 2018 --> PHYS 2325 University Physics I Spring 2018 --> PHYS 2125 University Physics I Lab Spring 2018 --> SOCI 1301 Introduction to Sociology =====... Spring 2018 --> 14 semester hours	pass

	Do you want to accept these courses and continue to the next term? (Y/n):	Do you want to accept these courses and continue to the next term? (Y/n):	
(just press <Enter>)	(next prompt)	(next prompt)	pass

**Prompt:** Do you want to take courses in the summer of 2018? (y/N)

Input	Expected Output	Actual Output	Pass/Fail
(just press <Enter>)	(The program displays next term choices because the default answer was no.)	(The program displays next term choices because the default answer was no.)	pass

**Prompt:** Select a course by number. Press <Enter> when finished:

Input	Expected Output	Actual Output	Pass/Fail
(Continue selecting courses each term until degree requirements are complete.)	(The degree plan summary is displayed on the screen.)	(The degree plan summary is displayed on the screen.)	pass

**Prompt:** If you want to save this summary to a file, enter a filename, otherwise just press <Enter> to quit:

Input	Expected Output	Actual Output	Pass/Fail
test_output.txt	test_output.txt contains your degree plan summary!	test_output.txt contains your degree plan summary!	pass
	(The file was written correctly.)	(The file was written correctly.)	