

Thomas Harriot College of Arts and Sciences
B.S. in Physics - Professional Concentration with B.S. in Chemistry double major

Please note that this is a **recommended** sequence.

This 4-year plan is designed for students who start by taking MATH 1083 (or higher) with CHEM 1150.

Check catalog for prerequisites. Course availability may vary from semester to semester.

FRESHMAN YEAR			
Fall Semester		Spring Semester	
ENGL 1100 (WI)	3	CHEM 1160/1161	4
MATH 1083	3	MATH 2171	4
CHEM 1150/1151	4	Social Science	3
Social Science	3	Fine Art	3
PHYS 2001	1	HLTH 1000	2
	14		16

SOPHOMORE YEAR			
ENGL 2201 (WI)	3	MATH 2173	4
MATH 2172	4	PHYS 2360/1261	5
PHYS 2350/1251	5	CHEM 2760/2763	4
CHEM 2750/2753	4	Humanity/Fine Art	3
KINE 1000	1		
	17		16

JUNIOR YEAR			
PHYS 3416	3	PHYS 3417	3
MATH 4331	3	CHEM 3950/3951 (Lab WI)	5
CHEM 3250/3251 (Lab WI)	5	CHEM 3450/3451 (Lab WI)	4
CHEM 2103 (WI)	1	Free elective*	3
Humanity	3		
	15		15

SENIOR YEAR			
PHYS Elective**	3	PHYS 4700/4701 (WI)	3
CHEM 3960/3961 (Lab WI)	5	PHYS Elective**	3
Social Science	3	CHEM 4350/4351 (Lab WI)	4
CHEM 2770	3	CHEM Elective***	3
	14		13

TOTAL HOURS	120
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Confirmed by **Sprague Bennett**

Updated: **2022**

NOTES:

Four Writing Intensive (WI) courses, typically including ENGL 1100 and ENGL 2201; at least one WI course in major and an additional WI course of the student's choice. Prior to 2020-2021, 12 s.h. of WI courses must be completed, typically including ENGL 1100, ENGL 2201; at least 3 s.h. in the major and an additional WI of the student's choice.

A 3 s.h. Global Diversity course and a 3 s.h. Domestic Diversity course are also required (these can coincide with other general education or major courses)

** Electives can be any course in any department. Consider taking prerequisites for graduate or professional schools when this degree plan lists "free electives."*

*** Electives for the professional concentration may include PHYS 2716, PHYS courses above 2999 and/or CHEM 3950. A maximum of 3 s. h. of independent study courses (PHYS 2716, PHYS 3516, PHYS 3517, PHYS 3518, PHYS 3716, PHYS 3717, and PHYS 3718) may be used to fulfill the 9 s. h. of electives requirement. PHYS 4950 may not count as an elective.*

**** Choose one restricted elective from the following list: CHEM 4517, 4522, 4550, 5760, 5993, or BIOL 4890. All restricted electives are 3 s.h.*