

Thomas Harriot College of Arts and Sciences
B.S. in Physics - Research Concentration with B.S. 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
Humanity	3	HLTH 1000	2
PHYS 2001	1		
	17		16

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

JUNIOR YEAR			
PHYS 3416	3	PHYS 3417	3
MATH 4331	3	PHYS 3560	3
PHYS Elective*	3	PHYS 4120	3
CHEM 3250/3251 (Lab WI)	5	Social Science	3
CHEM 2103 (WI)	1	CHEM 3950/3951 (Lab WI)	5
	15		17

SENIOR YEAR			
PHYS 4226	3	PHYS 4700/4701 (WI)	3
PHYS 4326	3	PHYS 4410	3
PHYS Elective*	3	CHEM 4350/4351 (Lab WI)	4
CHEM 3960/3961 (Lab WI)	5	CHEM elective**	3
CHEM 2770	3	CHEM 3450/3451 (Lab WI)	4
	17		17

TOTAL HOURS	132
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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 for the research concentration may include 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). 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.*