

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

Please note that this is a **recommended** sequence.
 Check catalog for prerequisites. Course availability may vary from semester to semester.

FRESHMAN YEAR			
Fall Semester		Spring Semester	
PHYS 2001	1	CHEM 1160/1161	4
ENGL 1100 (WI)	3	MATH 2171	4
MATH 1083*	3	Social Science	3
CHEM 1150/1151	4	Fine Art	3
Social Science	3	HLTH 1000	2
Humanity	3		
	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
CSCI 1010/1011	4	MATH 2300 (WI)	3
		KINE 1000	1
	16		16

JUNIOR YEAR			
PHYS 3416	3	PHYS 3417	3
PHYS Elective ^{††}	3	PHYS 3560	3
MATH 3256	3	PHYS 4120 [†] or Free elective	3
MATH 3307	3	MATH 3263 (WI)	3
Social Science	3	MATH 4331	3
	15		15

SENIOR YEAR			
PHYS 4226	3	PHYS 4700/4701 (WI)	3
PHYS 4326	3	PHYS 4120 [†] or Free elective	3
PHYS Elective ^{††}	3	PHYS 4410	3
MATH elective ^{**}	3	MATH elective ^{**}	3
MATH 4101	3		
	15		12

TOTAL HOURS	122
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Confirmed by Sprague

February
Updated: 2022

NOTES:

All MATH courses must be completed with a grade of C- or better

**MATH 1083 not required, may start with 2171 if you meet appropriate placement criteria*

***Numbered above 2999, excluding MATH 3229, 3237, 3239*

***MATH 4331 is a pre/co-requisite for PHYS 4226 and PHYS 4326. It is recommended (not required) that MATH 4331 be taken before those courses. Those interested in applied math (or engineering) should take MATH 4331 immediately after taking MATH 2173.

† PHYS 4120 is offered in the Spring of odd-numbered years. Students should take it in either their junior or senior year (when offered).

†† 6 s.h. of PHYS electives may be taken any semester(s); choose from PHYS 2716 or any PHYS course above 2999.

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).

12 s.h. of Writing Intensive (WI) courses must be completed, typically including ENGL 1100, ENGL 2201. Math requires MATH 2300 and MATH 3263. Physics requires PHYS 4700. WI is covered.