

Thomas Harriot College of Arts and Sciences  
**B.S. in Physics - Professional Concentration, Secondary major in Chemistry**

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. Note the BA in Chemistry normally requires 4 semesters of foreign language, but this requirement is waived for students earning a BS in another field and a second major in Chemistry.

<b>FRESHMAN YEAR</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
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		
	<b>17</b>		<b>16</b>

<b>SOPHOMORE YEAR</b>			
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		
	<b>17</b>		<b>16</b>

<b>JUNIOR YEAR</b>			
PHYS 3416	3	PHYS 3417	3
MATH 4331	3	CHEM 3450/3451 (Lab WI)	4
PHYS Elective*	3	Free Electives**	6
CHEM 3250/3251 (Lab WI)	5		
	<b>14</b>		<b>13</b>

<b>SENIOR YEAR</b>			
PHYS Elective*	3	PHYS 4700/4701 (WI)	3
CHEM 3850/3851 (Lab WI)	5	PHYS Elective*	3
Social Science	3	Free Electives**	7
Free Elective**	3		
	<b>14</b>		<b>13</b>

<b>TOTAL HOURS</b>	<b>120</b>
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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 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.*

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