



Thomas Harriot College of Arts and Sciences  
**B.S. in Biochemistry, Concentration in Chemistry**

Catalog: 2018-2019

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

The BS degree in biochemistry offers a rich combination of chemistry and biology studies at the undergraduate level. The Concentration in Chemistry for the BS degree is rooted in structural biochemistry and emphasizes the dynamics of biochemically important systems. This chemistry-focused degree can prepare students for work in the pharmaceutical and drug discovery industry, and serve as a foundation for graduate study in chemistry, biochemistry, biotechnology, pharmacology, and more. It is also an exceptional choice for pre-medical, pre-dental, and other pre-professional students.

**FRESHMAN YEAR**

<b>Fall Semester</b>		<b>Spring Semester</b>	
CHEM 1150, 1151	3,1	CHEM 1160, 1161	3,1
MATH 1065	3	MATH 1083	3
ENGL 1100	3	HLTH 1000	2
BIOL 1100, 1101	3,1	BIOL 1200, 1201	3,1
Social Science	3	Humanities	3
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**SOPHOMORE YEAR**

CHEM 2750, 2753	3,1	CHEM 2760, 2763	3,1
MATH 2171	4	MATH 2172	4
ENGL 2201	3	PHYS 2350, 1251	4,1
KINE 1000	1	Fine Arts	3
Social Science	3		<hr/> 16
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**JUNIOR YEAR**

CHEM 2250, 2251	3,2	CHEM 3950/3951	4,1
MATH 2173	4	Electives*	3
PHYS 2360, 1261	4,1	Restricted Electives**	3
	<hr/> 14	Social Science	3
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**SENIOR YEAR**

CHEM 3960, 3961	4,1	BIOL 4890, 4891	3,1
BIOL 4880	3	Restricted Elective***	4
Electives*	3	Humanities/Fine Arts	3
Restricted Electives**	3	Social Science, Humanities, Fine Arts, Science, or Math	3
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**NOTES:**

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)

\* An elective can be any courses in any department. Consider taking prerequisites for graduate or professional schools when this degree plan lists "electives".

\*\* Choose 10 s.h. of restricted electives from the following list: CHEM 3450, 3451, 4350, 4351, 4522, 4550, 5760; BIOL 2300, MATH 4331; up to 3 s.h. of research in biology or chemistry (BIOL 3550, 4504, 4514, 4550, CHEM 4505, 4506, 4507, 4515, 4516, 4517)