

Sample 4-year Degree Plan for
Bachelor of Science in Chemistry
 Concentration in **Pre-Health Professions**

Last revised 2023-2024

*This is **ONLY a sample** degree plan. Please meet with your academic advisor prior to registration to formulate your own plan, and for additional information refer to the [academic catalog](#).*

**If you were placed into foundational Writing and/or Mathematics courses initially, please modify a plan with your academic advisor.*

Year	Fall Semester	Spring Semester		
1st	GE WC&IL 1	3	GE WC&IL 2	3
	MATH 2214 Calculus I (GE QA&SR)	3	MATH 2215 Calculus II	3
	BIOL 2050 General Biology I	4	BIOL 2052 General Biology II	4
	BIOL 2051 General Biology I Lab	1	BIOL 2053 General Biology II Lab	1
	CHEM 2050 General Chemistry I (GE NW)	3	CHEM 2052 General Chemistry II	3
	CHEM 2051 General Chemistry I Lab	1	CHEM 2053 General Chemistry II Lab	1
	Total Credits	15	Total Credits	15

Year	Fall Semester	Spring Semester		
2nd	Unrestricted Elective (PMED 2910 recommended)	1	GE T&M	3
	Unrestricted Electives	3	Unrestricted Electives (PMED 3910 recommended)	1
	GE SW	3	GE GC&D	3
	CHEM 3030 Organic Chemistry I	3	CHEM 3032 Organic Chemistry II	3
	CHEM 3031 Organic Chemistry I Lab	1	CHEM 3033 Organic Chemistry II Lab	1
	PHYS 2050 General Physics I	3	PHYS 2052 General Physics II	3
	PHYS 2051 General Physics I Lab	1	PHYS 2053 General Physics II Lab	1
	Total Credits	15	Total Credits	15

Year	Fall Semester	Spring Semester		
3rd	GE AE	3	GE CA	3
	CHEM 3020 Physical Chemistry I (even Fall/Spring)	3	CHEM 3022 Physical Chemistry II (odd Springs)	3
	CHEM 3040 Quant. Analys. (GE UDV) (odd Falls)	3	CHEM 3060 Inorganic Chemistry (even Springs)	3
	CHEM 3041 Quant. Analysis Lab (odd Falls)	2	Major Elective from: BIOL 3170/3036	3
	Major Elective from: BIOL 3170/3034/3050	3	Upper-Division Natural Science Lab	1
	GE H&P	3	Unrestricted Electives	6
	Unrestricted Electives (even Falls)	3		
	Unrestricted Electives (odd Falls)	1		
	Total Credits	15	Total Credits	16

Year	Fall Semester	Spring Semester		
4th	GE T&I	3	GE CT&E	3
	CHEM 3020 Physical Chemistry I (even Fall/Spring)	3	CHEM 3022 Physical Chemistry II (odd Springs)	3
	CHEM 3040 Quant. Analys. (GE UDV) (odd Falls)	3	CHEM 3060 Inorganic Chemistry (even Springs)	3
	CHEM 3041 Quant. Analysis Lab (odd Falls)	2	CHEM 4910 Senior Seminar (GE UDW)	3
	CHEM 4030 Biochemistry I	3	Upper-Division Chemistry (CHEM) Elective	3
	CHEM 4031 Biochemistry I Lab	1	Unrestricted Electives	3
	Unrestricted Electives (even Falls)	5		
	Unrestricted Electives (odd Falls)	3		
Total Credits	15	Total Credits	15	

***This schedule is only a suggestion; make sure you understand the prerequisites for each course and consult with your Academic Advisor. Course availability subject to change; actual degree audits may change depending on course availability in a given semester.*

Notes: CHEM 3040/3041 offered only Fall of odd years; CHEM 3022/3023 offered only Spring of odd years; CHEM 3042/3043/3060 offered only Spring of even years. Upper-division CHEM, Unrestricted, and Major Electives can interchange to accommodate.

Baccalaureate Requirements

- Total Degree Credits Required = 120 credits of which a minimum of 36 are Upper-Division Credits (level 3000 and above)
- Completion of Major Requirements (as indicated above) AND Completion of General Education Requirements (as indicated above) AND Cumulative GPA of at least 2.0; Major GPA of at least 2.0

- Residency Requirements: 12 credits of major course work and 24 of the last 30 credits immediately preceding graduation
(*Service member's Opportunity College students please see your academic advisor*)

For more information on our General Education curriculum please refer to our Academic Catalog or visit:
<https://www.hpu.edu/gen-ed/index.html>