Sample 4-year Degree Plan for
Bachelor of Science in Mathematics
Pure Mathematics Concentration
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 introductory Writing and/or Mathematics courses based on your placement and/or test scores, please consult with your academic advisor to develop a degree plan.

Year	Fall Semester		Spring Semester	
1st	MATH 2214 Calculus 1 (GE QA&SR)	3	MATH 2215 Calculus 2	3
	CSCI 2911 Computer Science 1	3	MATH 3301 Discrete Mathematics	3
	CSCI 2916 Computer Science 1 Lab	1	GE WC &IL 2	3
	GE WC&IL 1	3	GE T&M	3
	GE H&P	3	GE AE	3
	GE GC&D	3		
	Total Credits	16	**Total Credits**	15

Year	Fall Semester		Spring Semester	
2nd	MATH 2216 Calculus 3	3	MATH 3305 Linear Algebra	3
	MATH 3000 Proof Writing in Mathematics	3	MATH 3470 Applied Statistics	3
	CHEM 2050 General Chemistry 1 (GE NW)	3	CSCI 2912 Computer Science 2	3
	CHEM 2051 General Chemistry 1 Lab	1	GE CA	3
	GE SW	3	Unrestricted Elective	3
	GE CT&E	3		
	Total Credits	16	**Total Credits**	15

Year	Fall Semester		Spring Semester	
3rd	MATH 3110 Logic	3	MATH 3320 Set Theory	3
	GE T&I	3	Unrestricted Elective	3
	Unrestricted Elective	3	Unrestricted Elective	3
	Unrestricted Elective	3	Unrestricted Elective	3
	Unrestricted Elective	3	Unrestricted Elective	3
	Total Credits	15	**Total Credits**	15

Year	Fall Semester		Spring Semester	
4th	MATH 4330 Abstract Algebra	3	MATH 4450 Complex Analysis OR MATH 4210 Topology	3
	Upper-Division Elective	3	MATH 4940 Research in Pure Math or Logic	3
	Upper-Division Elective	3	Upper-Division Elective	3
	Unrestricted Elective	3	Unrestricted Elective	3
	Unrestricted Elective	3	Unrestricted Elective	3
	Total Credits	15	**Total Credits**	15

**This schedule is <u>only a suggestion</u>; make sure you understand the necessary 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.

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*)
- Completion of General Education Requirements (*as indicated above*)
- 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