

Sample 4-year Guided Pathway for
Bachelor of Science in Mathematics
 Concentration in **3+2 Engineering**

Last revised 2018-2019

This is **ONLY a sample** degree pathway. 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 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 I (GE QA&SR)	3	MATH 2215 Calculus II	3
	CSCI 2911 Computer Science I**	3	CSCI 2912 Computer Science II	3
	CSCI 2916 Computer Science I Lab	1	GE T&M or GE CT&E	3
	ECON 2010 or Micro (GE CT&E)	3	GE H&P	3
	ECON 2015 Macro (GE T&M)			
	GE T&I	3	GE WC&IL 2	3
	GE WC&IL 1	3		
	Total Credits	16	Total Credits	15

Year	Fall Semester		Spring Semester	
2nd	CHEM 2050 Chemistry I	3	MATH 3307 Differential Equations	3
	CHEM 2051 Chemistry I Lab	1	PHYS 2052 General Physics II	4
	MATH 2216 Calculus III	3	PHYS 2053 General Physics II Lab	1
	MATH 3305 Linear Algebra	3	CHEM 2052 Chemistry II	3
	PHYS 2050 General Physics I	4	CHEM 2053 Chemistry II Lab	1
	PHYS 2051 General Physics I Lab	1	GE GC&D	3
	Total Credits	15	Total Credits	15

Year	Fall Semester		Spring Semester	
3rd	MATH 4470 Methods of Applied Math I	3	PHYS 2054 General Physics III	3
	GE AE	3	PHYS 2055 General Physics III Lab	1
	GE CA	3	MATH 3500 Numerical Methods	3
	Restricted Elective	3	MATH 3470 Applied Statistics	3
	Restricted Elective	3	GE SW	3
			Restricted Elective	3
	Total Credits	15	Total Credits	16

***This schedule is only a suggestion; 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.*

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***If you seek to place out of CSCI 1911 with direct entry into CSCI 2911, contact Dr. Crawford (scrawford@hpu.edu).*

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 coursework 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>