

Sample 4-year Degree Plan for **Bachelor of Science in Mathematics** Concentration in **Pure Math**

Academic Catalog Requirements 2017-2018

This is <u>ONLY a sample</u> degree plan. Please meet with your academic advisor prior to registration to formulate your own plan, and for additional information refer to the <u>academic degree requirements</u>.

*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	
	GE WC&IL 1	3	GE WC&IL 2	3
	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
1st	CSCI 2916 Computer Science I Lab*	1	GE AE	3
	GE H&P	3	GE T&M	3
	GE GC&D	3		
	Total Credits	16	Total Credits	15

Year	Fall Semester		Spring Semester	
	MATH 2216 Calculus III	3	MATH 2007 Math Across the Ages	3
	MATH 2220 Proof Writing	3	GE CA	3
	GE CT&E	3	Unrestricted Elective	3
2nd	First semester of any laboratory science	3(4)	Second semester of any laboratory science	3(4)
	(CHEM 2050 (GE NW)) & Corresponding lab	1	Corresponding laboratory	1
	GE NW (if CHEM 2050 not selected for major requirement)	3		
	Total Credits	16	Total Credits	13

Year	r Fall Semester		Spring Semester		
	MATH 3305 Linear Algebra	3	GE T&I	3	
	GE SW	3	Upper-Division Major Elective	3	
	Upper-Division Major Elective	3	Upper-Division Major Elective	3	
3rd	Upper-Division Major Elective	3	Unrestricted Elective	3	
	Unrestricted Elective	3	Unrestricted Elective	3	
	Total Credits	15	Total Credits	15	

Year	Fall Semester		Spring Semester	
	Upper-Division Major Elective	3	Upper-Division Major Elective	3
	Upper-Division Major Elective	3	Upper-Division Unrestricted Elective	3
	Upper-Division Unrestricted Elective	3	Upper-Division Unrestricted Elective	3
4th	Unrestricted Elective	3	Upper-Division 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.

*CSCI 2911/2916 requires proficiency in CSCI 1611 or 1911. To discuss placement testing, please contact Dr. Stewart Crawford at <u>scrawford@hpu.edu</u>.

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 the last 30 credits immediately preceding graduation (Service member's Opportunity College students please see your academic advisor)



General Education Curriculum

This is a general education worksheet that illustrates our general education curriculum requirements for any of our Bachelor's degree programs. Please utilize this worksheet in addition to the Sample Degree Plans to identify the GE categories and their offerings.

Hawaii & the Pacific (GE H&P)		
AL 1050	Languages in the Pacific	
ARTH 1001	Arts of Oceania	
BIOL 2170	Ethno-biology: People and Plants	
ENG 1101	Representations of Pacific Life	
HAWN 1100	Beginning Hawaiian I	
HIST 1558	Living History of Hawaii	
PHIL 1001	Philosophies of Hawaii & the Pacific	

Written Communication & Information Literacy I (GE WC&IL 1)		
WRI 1100	Analyzing & Writing Arguments	
WRI 1150	Literature & Argument	

	American Experience (GE AE)
AMST 2000	Topics in American Studies
HIST 1401	American Stories: Themes in American Hist. to 1877
HIST 1402	Intro. to American History since 1865
HUM 1270	Intro. to Gender & Women's Studies
PADM 1000	Intro. to Leadership in America
PHIL 2500	Ethics in America
PSCI 1400	American Politics
SOC 1000	Introduction to Sociology

Critical Thinking & Expression (GE CT&E)		
COM 1000	Intro. to Communication Skills	
COM 2000	Public Speaking	
ECON 2010	Principles of Microeconomics	
ENG 2100	Ways of Reading: Film, Literature & Culture	
GEOG 2000	Visual Human Geography	
HIST 1717	Reacting to the Past	
PSY 1000	Intro. to Psychology	

Natural World (GE NW)		
BIOL 1000	Intro. Biology	
CHEM 1000	Intro. Chemistry	
CHEM 2050	General Chemistry I	
GEOG 1000	Intro to Physical Geography	
GEOL 1000	The Dynamic Earth	
MARS 1000	Intro. Oceanography	
MARS 2110	Ocean Env. Of the Pacific Island (Summer/SE)	
PHYS 1020	Astronomy	

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Technology & Innovation (GE T&I)		Traditions &	Movements that Shape the World (GE T&M)
CSCI 1041	Digital Literacy in a Global Society	AL 1100	Language, Power, and Identity
CSCI 1061	Mobile Technology for the 21 st Century	CLST 1000	Great Books East and West
CSCI 1555	Health Information Systems	ECON 2015	Principles of Macroeconomics
CSCI 1611	A Gentle Intro. to Computer Programming	ENG 2500	World Literature
HIST 2630	The History of Science & Technology	HIST 1001	Traditions & Encounters: World Cultures to 1500
MATH 1234	Intro. to Cryptology	PH 1200	Intro. to Public Health Professions
MIS 2000	Information Tools for Business	PSCI 2000	Intro. to Politics
MULT 1100	Foundations of Multimedia Production	SOC 2600	Peace Studies

For more information on our General Education curriculum please refer to our Academic Catalog or you may refer here: http://www.hpu.edu/FacultyAssembly/General_Education_Curriculum_and_Learning_Assessment_Committee.html

Quantitative Analysis & Symbolic Reasoning (GE QA&SR)		
CSCI 1534	CSCI 1534 Data, Financial Literacy, and its Visual Presentation	
MATH 1120	Mathematics in the Modern World	
MATH 1123	Statistics	
MATH 1130	Pre-Calculus I	
MATH 1150	Pre-Calculus I & II	
MATH 2214	Calculus I	
PHIL 2090	Principles of Logic	
PSY 1100	Probabilistic Thinking	

Written Communication & Information Literacy II (GE WC&IL 2)		
WRI 1200	Research, Argument & Writing	
WRI 1250	Introduction to Research in the Humanities	

Creative Arts (GE CA)		
ARTH 2301	World Art History	
ARTS 1000	Intro. to Visual Arts	
ARTS 2150	Intro. to Design	
ENG 2000	The Art of Literature	
MUS 1000	Intro. to Classical Music	
MUS 2101	Music in World Culture	
THEA 2320	Acting I: Basic Acting for Stage & Screen	
WRI 2601	Intro. to Creative Writing	

Global Crossroads & Diversification (GE GC&D)		
Giobal Crossioads & Diversification (GE GC&D)		
AL 2000	Intro. to Linguistics	
ANTH 2000	Cultural Anthropology	
GEOG 1500	World Regional Geography	
HIST 1002	Global Crossroads: 1500 to Present	
INTR 1000	The International System	
MULT 2000	Intro. to Cinema Studies	
PH 2060	Comparative Healthcare Systems	
REL 1000	Intro. to World Religions	

Sustainable World (GE SW)		
AQUA 1200	Global Aquaculture for Food Security & Conservation	
ARTS 1003	Sustainable Art & Design	
BIOL 1500	Conservation Biology	
ENVS 1000	Intro. to Environmental Science	
ENVS 1030	Tropical Ecology & Sustainability	
HIST 3650	History of Oil in the Modern World	
MARS 1500	Marine Biology and the Global Ocean	
SWRK 2010	Social Sustainability, Social Work & Entrepreneurship	