Sample 4-year Degree Plan for **Bachelor of Science in Computer Science**
Academic Catalog Requirements **2016-2017**

*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 degree requirements.*

**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	GE WC&IL 1	3	GE WC&IL 2	3
	GE H&P	3	GE AE	3
	GE T&I	3	GE T&M	3
	CSCI 2911 Computer Science I *	3	GE CA	3
	CSCI 2916 Computer Science I Lab *	1	CSCI 2912 Computer Science II	3
	MATH 1123 Statistics (GE QA&SR)	3		
	Total Credits	16	**Total Credits**	15

Year	Fall Semester		Spring Semester	
2nd	CSCI 2301 Discrete Math for CS	3	CSCI 3301 Database Technologies	3
	MATH 2214 Calculus I	3	CSCI 3401 Data Communications	3
	GE CT&E	3	MATH 2215 Calculus II	3
	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	GE GC&D	3
	Total Credits	16	**Total Credits**	16

Year	Fall Semester		Spring Semester	
3rd	CSCI 2913 Data Structures	3	CSCI 3101 Algorithms	3
	CSCI 3001 Assembly Lang. & Sys. Programming	3	CSCI 3501 Computer Organization	3
	CSCI 3211 Systems Analysis	3	CSCI 37XX Any Programming Lang. Course	3
	Upper-Division CSCI Major Elective	3	Upper-Division CSCI Major Elective	3
	GE SW	3	Unrestricted Elective	3
	Total Credits	15	**Total Credits**	15

Year	Fall Semester		Spring Semester	
4th	CSCI 3601 Operating Systems	3	CSCI 4911 Software Project I	3
	CSCI 3911 Software Engineering	3	Upper-Division MATH Major Elective	3
	Upper-Division CSCI Major Elective	3	Upper-Division Unrestricted Elective	3
	Unrestricted Elective	3	Upper-Division Unrestricted Elective	3
	Unrestricted Elective	3		3
	Total Credits	15	**Total Credits**	12

***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.*

CSCI 2911/2916 requires proficiency in CSCI 1611 or 1911. To discuss placement testing, please contact Dr. Stewart Crawford at 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 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

Quantitative Analysis & Symbolic Reasoning (**GE QA&SR**)	
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 I (**GE WC&IL 1**)	
WRI 1100	Analyzing & Writing Arguments
WRI 1150	Literature & Argument

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

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
PSCI 1400	American Politics

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

Critical Thinking & Expression (**GE CT&E**)	
COM 1000	Intro. to Communication Skills
COM 2000	Public Speaking
ECON 2010	Principles of Microeconomics
GEOG 2000	Visual Human Geography
HIST 1717	Reacting to the Past
MATH 1116	Problem Solving
PSY 1000	Intro. to Psychology

Global Crossroads & Diversification (**GE GC&D**)	
ANTH 2000	Cultural Anthropology
BR 1020	The Cross-Cultural Experience
GEOG 1500	World Regional Geography
HIST 1002	Global Crossroads: 1500 to Present
INTR 1000	The International System
MULT 2000	Intro. to Cinema Studies
REL 1000	Intro. to World Religions

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

Sustainable World (**GE SW**)	
ARTS 1003	Sustainable Art & Design
BIOL 1500	Conservation Biology
ENVS 3000	Science & the Modern Prospect
HIST 3650	History of Oil in the Modern World
MARS 2100	Marine Resource Management
NSCI 2000	Lessons for Building Sustainable Communities
NSCI 3000	Building Sustainable Communities
SWRK 2010	Social Sustainability, Social Work & Entrepreneurship

Technology & Innovation (**GE T&I**)	
CSCI 1041	Digital Literacy in a Global Society
CSCI 1061	Mobile Technology for the 21st Century
CSCI 1555	Health Information Systems
CSCI 1611	A Gentle Intro. to Computer Programming
HIST 2630	The History of Science & Technology
MATH 1234	Intro. to Cryptology
MIS 2000	Information Tools for Business
MULT 1100	Foundations of Multimedia Production

Traditions & Movements that Shape the World (**GE T&M**)	
AL 1100	Language, Power, and Identity
CLST 1000	Great Books East and West
ECON 2015	Principles of Macroeconomics
ENG 2500	World Literature
HIST 1001	Traditions & Encounters: World Cultures to 1500
PSCI 2000	Intro. to Politics
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