

Preprofessional Health Curriculum with
 Bachelor of Science in Computer Science
 2015 Catalog Version

Sample Schedule

First Year			
Fall	16	Spring	18
Core: English 1900 or 1940	3	CSCI 10xx: Intro. to Computer Science	3
BIOL 1040: Principles of Biology I + lab	4	BIOL 1060: Principles of Biology II + lab	4
CHEM 1110/1115: General Chem. I + lab	4	CHEM 1120/1125: General Chem. II + lab	4
MATH 1510: Calculus I	4	MATH 1520: Calculus II	4
EDH 1010: University 101	1	Core: Theology 1000	3

Summer			
Core: Foreign Language 1010	3	Core: Foreign Language 1020	3

Second Year			
Fall	17	Spring	17
CSCI 1300: Intro. to Obj-Oriented Prog.	4	CSCI 2100: Data Structures	4
MATH 1660: Discrete Mathematics	3	CSCI 2400: Computer Architecture	3
CHEM 2410/2415: Organic Chem. I + lab	4	CHEM 2420/2425: Organic Chem. II + lab	4
BIOL 3020: Biochemistry & Molecular	3	BIOL 3040: Cell Structure & Function	3
Core: Psychology 1010	3	Core: Sociology 1100	3

Third Year			
Fall	16	Spring	16
CSCI 3500: Operating Systems	3	CSCI 2300: Object-Oriented Software Design	3
CSCI 3000+ Elective	3	CSCI Applications Course	3
PHYS 1310/1320: Physics I + lab	4	PHYS 1330/1340: Physics II + lab	4
Core: Philosophy 2050 (Ethics)	3	Core: Philosophy 3410 (Computer Ethics)	3
Additional Mathematics (2000+)	3	Additional Mathematics (2000+)	3

Fourth Year			
Fall	17	Spring	17
CSCI 4961: Capstone Project I	2	CSCI 4962: Capstone Project II	2
CSCI 3100: Algorithms	3	CSCI 3200: Programming Languages	3
CSCI 3000+ Elective	3	CSCI 3300: Software Engineering	3
Additional Mathematics (2000+)	3	Core: English 3000+ Literature	3
Core: History 1110	3	Core: History 1120	3
Core: Theology 2xxx	3	Core: Fine and Performing Arts	3

Notes: (1) Advanced Mathematics choices should include probability/statistics; (2) Students must also complete College requirements for Cultural Diversity in the U.S. and Global Citizenship.