

**MODEL PLAN FOR ACADEMIC PROGRAM**  
BSc-COMBINED MAJOR COMPUTER SCIENCE & HEALTH INFORMATION SCIENCE (60 Units)

**You are responsible for the completeness and accuracy of your registration and for determining the requirements of your program at UVic.** We encourage you to monitor your progress through the program by running a [degree evaluation report](#) to determine which components of the program you have successfully completed, and which are outstanding.

Refer to the University of Victoria [Academic Calendar](#) for complete lists of course selection and program requirements. In the case of discrepancy, the Academic Calendar must be considered the definitive authority.

First Year Required Courses: 15.0 units		
Fall	Spring	Summer
<b>CSC 110</b> – Fundamentals of Programming I	<b>CSC 115</b> – Fundamentals of Programming II	
<b>ATWP 135</b> – Academic Reading and Writing or; <b>ENSH 101</b> – Themes in Literature (AWR) or; <b>ENSH 102</b> – Literature in Action (AWR)	<b>CSC 120</b> - Society, Ethics, Professionalism and Computing	
<b>HINF 130</b> – Introduction to Health Information Technology	<b>HINF 140</b> – Introduction to the Canadian Health Care System	
<b>EPHE 141</b> <sup>1</sup> – Human Anatomy or; <b>MLSC 102</b> <sup>1</sup> – Biochemistry and Human Health or; <b>BIOL 150A</b> <sup>1</sup> – Modern Biology or; <b>BIOL 150B</b> <sup>1</sup> – Modern Biology or;	<b>MATH 101</b> – Calculus II	
<b>Math 100</b> – Calculus I or; <b>Math 109</b> – Introduction to Calculus	<b>MATH 122</b> – Logic and Foundations	

<sup>1</sup>Students who completed Biology 12 (BIOL12) or Anatomy & Physiology 12 (ATPH12) at a Canadian institution must complete a [substitution waiver](#) and take 1.5 units of additional elective

Second Year Required Courses: 15.0 units of course work + 4.5 units of Co-op		
Fall	Spring	Summer
<b>HINF 202</b> <sup>2</sup> – Introduction to Professional Practice (0 credit course)		<b>CSC 001 or HINF 001</b> <sup>2</sup> Co-op Work Term 1
<b>CSC 225</b> – Algorithms and Data Structures I	<b>CSC 226</b> – Algorithms and Data Structures II	
<b>HINF 200</b> – Principles of Health Database Design	<b>CSC 230</b> – Introduction to Computer Architecture	
<b>HINF 230</b> – Organizational Behaviour and Change Management	<b>HINF 201</b> – Database Management and Development for Health Care Systems	
<b>SENG 265</b> – Software Development Methods	<b>HINF 280</b> – Biomedical Fundamentals	
<b>STAT 255</b> – Statistics for Life Sciences I or; <b>STAT 260</b> – Introduction to Probability and Statistics I	<b>ENSH 202</b> – Technical Communications: Written and Verbal or; <b>ENGR 240</b> – Technical Writing	

<sup>2</sup> Completion of all courses listed in first 4 terms will be required prior to first co-op work term

Third Year Required Courses: 15.0 units + 4.5 units of Co-op				
Fall		Spring	Summer	
	<b>CSC 320</b> <sup>3</sup> – Foundations of Computer Science or; <b>CSC 321</b> <sup>3</sup> – Introduction to Artificial Intelligence or; <b>CSC 330</b> <sup>3</sup> – Programming Languages or; <b>CSC 355</b> <sup>3</sup> – Digital Logic and Computer Organization or; <b>CSC 360</b> <sup>3</sup> – Operating Systems	<b>CSC 002 or HINF 002 Co-op Work Term 2</b>		<b>CSC 320</b> <sup>3</sup> – Foundations of Computer Science or; <b>CSC 321</b> <sup>3</sup> – Introduction to Artificial Intelligence or; <b>CSC 330</b> <sup>3</sup> – Programming Languages or; <b>CSC 355</b> <sup>3</sup> – Digital Logic and Computer Organization or; <b>CSC 360</b> <sup>3</sup> – Operating Systems
	<b>CSC 375</b> – Introduction to Systems Analysis or; <b>SENG 321</b> – Requirements Engineering or; <b>SENG 365</b> – Software Development			<b>HINF 3XX</b>
	<b>HINF 3XX</b>			<b>Elective</b>
	<b>HINF 3XX</b>			<b>Elective</b>
	<b>Elective</b>			<b>Elective</b>

<sup>3</sup> Select 3.0 units from CSC 320/321/330/355/360; these must fit into the Fall and/or Summer terms and cannot include CSC 371.

Fourth Year Required Courses: 15.0 units + 4.5 units of Co-op			
Fall	Spring		Summer
<b>CSC 003 or HINF 003 Co-op Work Term 3</b>		<b>HINF 4XX</b>	<b>HINF 485</b> – Artificial Intelligence in Health Care
		<b>HINF 4XX</b>	<b>CSC or SENG or HINF Senior Elective</b> <sup>5</sup>
		<b>CSC 4XX</b> <sup>4</sup>	<b>CSC or SENG Senior Elective</b> <sup>5</sup>
		<b>CSC 4XX</b> <sup>4</sup>	<b>Senior Elective</b> <sup>5</sup> (in any subject)
		<b>CSC 4XX</b> <sup>4</sup>	<b>Senior Elective</b> <sup>5</sup> (in any subject)

<sup>4</sup> One of these courses may be SENG at the 400 level  
<sup>5</sup> Senior Electives must be at the 300 level or higher, but cannot include CSC 371.