

**MODEL PLAN FOR ACADEMIC PROGRAM
BACHELOR OF SCIENCE (BSc) – 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
	HINF 115 – Programming for Healthcare		HINF 112 – Introduction to Health Information Analysis	
	HINF 130 – Introduction to Health Information Technology or; HINF 140 – Introduction to the Canadian Health Care System <i>You must take BOTH HINF 130 and 140 — whichever course you take in Fall, take the other in Spring</i>		HINF 130 – Introduction to Health Information Technology or; HINF 140 – Introduction to the Canadian Health Care System	
	ATWP 135 ¹ – Academic Reading and Writing		ENSH XXX – Choose any ENSH 1XX or 2XX (e.g. ENSH 202 – Technical Communications: Written and Verbal)	
	EPHE 141 ² – Human Anatomy or; MLSC 102 ² – Biochemistry and Human Health or; BIOL 150A ² – Modern Biology or; BIOL 150B ² – Modern Biology		MATH 151 – Finite Mathematics	
	Elective ³		Elective ³	

¹ Satisfying the Academic Writing Requirement (AWR) does not mean you received credit for ATWP 135. ATWP 135 is a program requirement which must be satisfied. If you need more support with English, your options which satisfy the ATWP 135 and ENSH 1XX/2XX credits include:

1. Take ATWP 101 this **first** and then ATWP 135 or
2. Take ATWP 110

² 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. Students without Biology 12 or Anatomy & Physiology 12 are required to take one of: EPHE 141/MLSC 102/BIOL 150A/BIOL 150B

³ [Lower-level electives](#) should be in topics you find interesting and in which you will be successful. You will acquire the necessary skills in our HINF courses, so the electives can be in topics of your choosing which do not have schedule conflicts with your other courses

Second Year Required Courses: 15.0 units + 4.5 units of Co-op				
Fall		Spring		Summer
	HINF 202 – Introduction to Professional Practice (0 credit course)			HINF 001⁴ Co-op Work Term 1
	HINF 200 – Principles of Health Database Design		HINF 201 – Database Management and Development for Health Care Systems	
	HINF 230 – Organizational Behaviour and Change Management		HINF 265 – Health Care Delivery Organizational Models	
	STAT 255 – Statistics for Life Sciences I or; STAT 252 – Statistics for Business		HINF 280 – Biomedical Fundamentals	
	HINF 350 – Human Aspects of Health Care Information Systems		Elective³	
	Elective³		Elective³	
⁴ 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	
	CSC 375 – Introduction to Systems Analysis	HINF 002 Co-op Work Term 2		HINF 310 – Electronic Records and Decision Support Systems
	HINF 320 – Project Management			HINF 330 – Legal and Security Issues in Health Informatics
	HINF 335 – Health Information Standards			HINF 345 – Networks, Interoperability and Systems Security
	HINF 381 – Epidemiology, Population Health and Public Health			HINF 351 – Information Technology Procurement
	Elective⁴			HINF 371 – Clinical Methodologies

Fourth Year Required Courses: 15.0 units + 4.5 units of Co-op				
Fall	Spring		Summer	
HINF 003 Co-op Work Term 3		HINF 410 – Information Management and Technology		HINF 485 – Artificial Intelligence in Health Care or Senior Elective⁵
		HINF 420 – Societal Implications of Information Technology		Senior Elective⁵
		HINF 450 – Health Information System Design		Senior Elective⁵
		HINF 461 – System Evaluation and Quality Improvement		Senior Elective⁵
		HINF 470 – Trends in Health Informatics		Senior Elective⁵

⁵ Students are required to select a minimum of 7.5 units from the list of [Approved Senior Electives](#). Senior electives not on the approved list require permission from the Faculty Undergraduate Academic Advisor, please include the description and justification of your request and direct the e-mail to hinfugadvisor@uvic.ca