

DOCTOR OF HEALTH INFORMATICS (DHI)

Requirements for Graduation

Program Director: Shankar Srinivasan PhD

Course No	Section	Course Title	Credits	Semester	Year
Core Courses (15 credits)					
BINF5005		Health Care Information Systems	3		
BINF5125		Machine Learning	3		
BINF5007		Health Privacy, Security and Confidentiality	3		
BINF5311		Electronic Health Records	3		
BINF5325		Clinical Decision Support Systems	3		
BPHE 5310		Scientific Concepts and Research Design	3		
BINF5210		SAS Applications in Health Informatics	3		
BINF5131		Health Finance Systems	3		
BINF5230		Translational Informatics and Biomarkers	3		
BPHE 5500		Multiple Analysis in Clinical Trials	3		
BPHE 6830		Project Management and Leadership	3		
BPHE 5510		Overview of Disease Process and Treatment	3		
Health Data Analytics Track Courses (12 credits)					
			Track Advisor: Shankar Srinivasan PhD		
BINF7510		Clinical Decision Making and Decision Analysis	3		
BINF7530		Health Care Database Management Systems	3		
BINF7520		Clinical Data Analysis and Predictive Techniques	3		
BINF7570		Health Care Outcomes Measurement and Research	3		
Health Information Management Track Courses(12 credits)					
			Track Advisor: Dasantila Sherifi PhD		
BINF7530		Health Care Database Management Systems	3		
BINF7560		Health Information Systems Integration	3		
BINF7520		Clinical Data Analysis and Predictive Techniques	3		
BINF7570		Health Care Outcomes Measurement and Research	3		
Pharmacoinformatics Track Courses (12 credits)					
			Track Advisor: Doreen Waldron Lechner PhD		
BPHE7005		Pharmacoinformatics	3		
BPHE6700		Special Topics in Clinical Trials	3		
BINF7520		Clinical Data Analysis and Predictive Techniques	3		
BINF7570		Health Care Outcomes Measurement and Research	3		
Doctoral Courses					
BINF7540		Health Research Methods	3		
BINF7700		Literature Review	3		
BINF7600		Seminar on Representations and Algorithms	3		
BINF8000		Doctoral Project	18		
		TOTAL	54		

Cohort Registration Plans

Upon admission the DHI student will be following one of the following 2 plans – a 3 courses per semester, 3 year plan or a 2 courses per semester, 4 year plan. Based on the specialization track (Health Data Analytics, Health Information Management or Pharmacoinformatics) chosen by the admitted student the courses indicated in the two plans below will be chosen, from the Requirements for Graduation above, by the appropriate Track Advisor for that specialization track.

DHI 3 Course per Semester, 3 Year Plan

Semester 1, Year 1: 3 Core courses

Semester 2, Year 1: 2 Core courses, 1 Track

Semester 1, Year 2: 3 Track courses

Semester 2, Year 2: 3 Doctoral Courses

Semester 1, Year 3: 9 Credits of Doctoral Project

Semester 2, Year 3: 9 Credits of Doctoral Project

DHI 2 Course per Semester, 4 Year Plan

Semester 1, Year 1: 2 Core courses

Semester 2, Year 1: 2 Core courses

Semester 1, Year 2: 1 Core course, 1 Track Course

Semester 2, Year 2: 2 Track courses

Semester 1, Year 3: 1 Track course, 1 Doctoral Course

Semester 2, Year 3: 2 Doctoral Courses

Semester 1, Year 4: 9 Credits of Doctoral Project

Semester 2, Year 4: 9 Credits of Doctoral Project