

**University Vice-Presidency of Academic Affairs**

**College of Health Sciences**

**Department of Health Informatics**

**Academic Study Plan**  
**Bachelor of Science in Health Informatics**



**August 2023**

**The study plan is composed of 130 credit units distributed as follows:**

**Year 1**

	<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Co-requisites</b>
<b>Semester 1</b>	ENG001	English Language Skills	8		
	CS001	Computer skills	3		
	COMM101	Communication Skills	2		
<b>Total</b>			<b>13</b>		

	<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Co-requisites</b>
<b>Semester 2</b>	ENG102	English Language Skills	8		
	MATH001	Introduction to Mathematics	3		
	CI001	Academic Skills	2		
<b>Total</b>			<b>13</b>		

## Second Year

### Semster Third

Course Code	Course Title	Credit Hour	Prerequisite
BIO101	Basic Medical Terminology	3	PYP
HCM101	Health Care Management	3	PYP
HCM102	Organizational Behavior	3	PYP
PHC121	Introduction to Biostatistics	3	PYP
IT231	Introduction to IT and IS	3	PYP
IT232	Object Oriented Programming	3	PYP
<b>Total</b>		<b>18</b>	

### Semester Forth

Course Code	Course Title	Credit Hour	Prerequisite
BIO102	Introduction to Anatomy and Physiology	3	BIO101
IT244	Introduction to Database	3	IT232
IT245	Data Structure	3	IT232
PHC131	Introduction to Epidemiology	3	PHC121
HCM113	Health Policy and Saudi Healthcare System	3	HCM101
ISLM101	Introduction to Islamic Culture I	2	PYP
<b>Total</b>		<b>17</b>	

**credit hours for the second year Total                      35.00**

## Third Year

### Semester Fifth

Course Code	Course Title	Credit Hour	Prerequisite
PHC212	Concepts of Health Education and Promotion	3	BIOL101
IT351	Computer Networks	3	IT231
IT352	Human Computer Interaction	3	IT231-IT245
HCI111	Introduction to Health informatics	3	PYP
ISLM102	Prof. Conduct & Ethics in Islam	2	
IT353	System Analysis and Design	3	IT245
<b>Total</b>		<b>17</b>	

### Semester Sixth

Course Code	Course Title	Credit Hour	Prerequisite
HCM213	Financial Management for Healthcare	3	HCM101
PHC215	Healthcare Research	3	PHC131
IT362	IT Project Management	3	IT353
PHC216	Ethics & Regulations in Healthcare	3	HCM113
HCI112	Electronic Health Records	3	HCI111 - IT231
IT361	Web Technologies	3	IT352 - IT244
<b>Total</b>		<b>18</b>	

**credit hours for the third year Total**

**35.00**

## Fourth Year

### Semester Seventh

Course Code	Course Title	Credit Hour	Prerequisite
IT475	Decision Support Systems	3	IT244
IT476	IT Security & Policies	3	IT351
HCI214	Consumer Health Informatics	3	HCI112
ISLM10 3	Islamic Economic System	2	
HCI213	Medical Coding and Billing	3	HCI111 - HCI112
PHC312	Health Communications	3	PHC216
<b>Total</b>		<b>17</b>	

### Semester Eighth

Course Code	Course Title	Credit Hour	Prerequisite
HCI315	Telehealth and Telemedicine	3	HCI213
HCI316	E-Health	3	HCI214
HCI314	Public Health Informatics	3	HCI213
ISLM10 4	Social System and Human Rights	2	
xxx	Elective 1	3	PHC312 - HCI213 - HCI214
xxx	Elective 2	3	PHC312 - HCI213 - HCI214
<b>Total</b>		<b>17</b>	

**credit hours for the fourth year Total                    34.00**

**Tracks: Student must register two elective courses of the track same**

Courses For Technical Oriented Focus Elective		
Course Code	Course Title	Prerequisite
IT487	Mobile Application development	PHC312 - HCI213 - HCI214
IT364	IT Innovation and Entrepreneurship	
IT485	IT Professional Ethics in IT	
ECOM101	E-Commerce	

Courses For Public Health Oriented Focus Elective		
Course Code	Course Title	Prerequisite
PHC101	Introduction to Public Health	PHC312 - HCI213 - HCI214
PHC151	Environmental Health	
PHC261	Occupational Health	
PHC273	Introduction to Mental Health	
PHC311	Global Health	