

**Graduate Institute of Artificial Intelligence and Big Data in Healthcare**  
Curriculums

**Required courses**

Subject title		Credit	Hours	1	2	3	4	
<b>Required courses</b>								
Research Methodology		2	2	v				
Data Science		2	2	v				
Advanced Applied Statistics		3	3	v				
Artificial Intelligence		3	3	v				
Analysis of Big Data in Health		2	2		v			
Machine Learning		3	3		v			
Master Thesis		6	6			o	o	

**Elective course**

Subject title	Credit	Hours		
<b>Big Data in Healthcare</b>				
The Practice of Big Data Analysis	2	2		
Analysis of Hospital Clinical Data	2	2		
Applied Statistics with R	2	2		
Comparative Healthcare System	2	2		
Health Technology Management	2	2		
Seminar in Health Big Data	2	2		
Health Big Data Industry	2	2		
<b>Artificial Intelligence</b>				
Introduction of Computer Programming	2	2		
Natural Language Processing	2	2		
Data Visualization	2	2		
Data Mining	2	2		
Smart Health Integrate Management	2	2		
Special Topics in Artificial Intelligence	2	2		
Innovative Applications of Artificial Intelligence	2	2		