Digital Health

Certificate in Digital Health

CERTIFICATE CODE - CG80

Graduation requirement: Students must earn a minimum cumulative GPA of 3.0 and a minimum GPA of 3.0 in courses applied to the certificate.

Code	Title	Hours
Health Sciences Electives		**6**
Select six credits from the following options:		
EXPH 583	Neuromechanics	
BIOL 576	Computational Neuroscience	
BMEG 501	Principles and Applications of Biomedical Engineering	
MICB 722	Bioinformatics Resource for Epigenomic Data Analysis	
Computer Science Electives		**6**
Select six credits from the following options:		
BIOS 604	Applied Biostatistics 3	
CPE 520	Application of Neural Networks	
CS 560	Big Data Engineering	
CS 676	Machine Learning	
CS 677	Pattern Recognition	
Total Hours		**12**

Certificate Learning Outcomes

DIGITAL HEALTH

- Understand the range of technologies in the areas of artificial intelligence, machine learning and data science.
- Understand the the general areas of human health and healthcare.
- Understand applications and potential applications of digital technology to human health and healthcare.
- Be able to apply digital technologies and methodologies to explore and understand problems in human health and healthcare.
- Be able to evaluate the efficacy and utility of digital technologies to problems and issues in human healthcare.
- Create or identify improvements in human healthcare through the application of digital methods and technologies.