HEALTH INFORMATICS (INFO)

INFO 505 Health Informatics 3 Credit Hour(s)
Focused on the foundations of healthcare informatics, students will gain an overview of the information, resources, and technologies in healthcare. Topics include but are not limited to healthcare information systems infrastructure, enterprise architecture, applications, data management, information security, telehealth, project management, and emerging technologies. Students will examine major theories supporting healthcare informatics, understand its application in supporting decision-making, and recognize its importance in the provision of effective and efficient healthcare.
Offered: Online

INFO 535 Health Systems and Delivery 3 Credit Hour(s)
Online Prerequisite: INFO 505 and Bus Cmn Pro Cpnt/27hr BUSI Req with a score of 3 and College Algebra Req with a score of 3 and Undergraduate Statistics Req with a score of 3
This advanced course examines the delivery models of healthcare, the regulatory environment of health care, and the professional roles of people in healthcare. Investigative topics include the different states of disease, medicine, public health, financing, and new relational fields within the United States healthcare systems. The examination will address the changing practices and innovations of medicine and relational services.
Offered: Online

INFO 545 Health Information Systems and Integrated Technologies 3 Credit Hour(s)
Online Prerequisite: (INFO 505 and INFO 535) or (INFO 505 and NURS 521)
This advanced course will examine the relevant and emerging information systems and tecnologies that exist in the healthcare industry. Using a broad examination of healthcare technologies, areas include the healthcare systems development life cycle, scalable computing, information security, systems analysis, systems design, and systems implementation. Students will learn health care information systems strategy and innovation that is essential to meet the quickly changing needs of effective and efficient healthcare delivery and services.
Offered: Online

INFO 668 Health Data Analytics and Decision-Making 3 Credit Hour(s)
Online Prerequisite: CSIS 525 and HLTH 511
This course introduces students to data science for good decision-making in the healthcare industry. It prepares health informatics in the data analytics domain, including statistical analysis, data mining, text analytics, and predictive analytics.
Offered: Online

INFO 690 Integrated Capstone 3 Credit Hour(s)
Prerequisite: BMIS 530 and BMIS 680 and CSIS 525 and HLTH 503 and HLTH 511 and NURS 501 and INFO 545 and INFO 668
The capstone is an opportunity for the students to demonstrate their analytical, design, research, and management skills to solve a specific problem outlines within current information technology literature. Students will validate their abilities to develop effective health informatics solutions through a thesis project that addresses a complex issue within this field. If completed successfully, the capstone project signifies the completion of the health informatics program.
Offered: Online