AI IN HEALTH ANALYTICS LEADERSHIP (APC)

Contacts

Program Director: Richard W. Hass, PhD
Email: Richard.Hass@jefferson.edu
215-760-0982
Campus: Center City
Program Website (https://www.jefferson.edu/academics/colleges-schools-institutes/population-health/degrees-programs/artificial-intelligence-in-health-analytics-leadership-advanced-practice-certificate.html)

Program Description

In the rapidly evolving world of health data science, one thing is clear: Artificial intelligence (AI) powers innovation in healthcare.

Thomas Jefferson University's Artificial Intelligence (AI) in Health Analytics Leadership Advanced Practice Certificate (APC) gives students and healthcare professionals the practical skills and expertise needed to drive the implementation of AI, find new ways to leverage data and enable better tracking of patient prevention outcomes.

This 9-credit certificate features courses on how AI affects informatics, analytics and leadership, along with hands-on, approachable training in machine learning—empowering you to apply AI-driven insights in real-world healthcare settings.

Learning Outcomes

The Artificial Intelligence (AI) in Health Analytics Leadership Advanced Practice Certificate (APC) prepares graduates to provide AI-focused health analytics leadership by preparing them to:

- Critically evaluate the machine learning algorithms that power Artificial Intelligence (AI) systems
- Integrate Artificial Intelligence (AI) into a health organization's decision-making process
- Leverage big-data assets available through electronic medical records and claims data for building Artificial Intelligence (AI) systems
- Tackle organizational challenges and obstacles to creating data systems to support AI

Curriculum:

The Artificial Intelligence (AI) in Health Analytics Leadership Advanced Practice Certificate (APC) program provides students with a comprehensive overview of data science and AI in an expedited three-course format:

Code	Title	Credits
HDS 501	Health Inform, Analytics & AI	3
HDS 518	Sup & Unsup Learn: Pred & Clas	3
HDS 527	Analytics & AI Leadership	3