



Certificate in Applied AI in Population Health Outcomes

INTEGRATED & APPLIED KNOWLEDGE

This innovative graduate certificate program integrates cutting-edge artificial intelligence technologies. Students learn to analyze complex health data, build predictive models, and design intelligent systems that support evidence-based decision-making for communities and populations, including the responsible deployment of AI systems in real-world public health settings.

EXPLORE YOUR INTERESTS

Learners explore how intelligent systems can improve decision-making, optimize resource allocation, and generate actionable insights across a range of population health domains.

GAIN CAREER-READY SKILLS

Students develop in-demand skills in generative-AI assisted programming for machine learning and designing interactive dashboards that deliver real-time health insights, preparing graduates to work effectively with modern data and technology in professional settings.

MAKE CONNECTIONS

Students gain experience with tools and approaches used in government agencies, healthcare organizations, research institutions, and health-focused technology environments, including emerging AI platforms and digital health technologies used in practice.

EMPLOYMENT OUTCOMES

Graduates are prepared for roles that require advanced analytical and AI-enabled public health skills across the public and private sectors. Credits earned may also be applied toward a graduate degree, offering a pathway for continued academic and professional advancement.

CONNECT WITH OUR TEAM



Click or Scan

To learn more about the application and admissions process at UofM SPH!

APPLIED ARTIFICIAL INTELLIGENCE IN POPULATION HEALTH OUTCOMES

GRADUATE CERTIFICATE

15 CREDIT HOURS

TO APPLY:

- Completed SOPHAS application
- Undergraduate degree, minimum 3.0 GPA
- Curriculum Vitae/Resume
- Statement of Purpose (400-500 words)
- Credentials evaluation for foreign transcripts
- Language proficiency test if language of instruction was not English

CURRICULUM

PUBH 7180 | Foundations of Public Health (0 credit hours)

PUBH 7152 | Biostatistical Modeling and Applications

PUBH 7172 | Epidemiological Methods and Applications

PUBH 7470 Community and Population Health

Dashboards

PUBH 7652 | Large Language Models in Public Health

PUBH 7627 | AI Predictive Modeling of Health Outcomes



THE UNIVERSITY OF
MEMPHIS

School of Public Health