

Graduate Certificate: Applied Health Outcomes and Artificial Intelligence

SCHOOL OF PHARMACY

About the Certificate

The Graduate Certificate in Applied Health Outcomes and Artificial Intelligence in the School of Pharmacy at Temple University provides current pharmaceutical professionals and pharmacy students the opportunity to enhance their credentials and skills in AI-driven data use and analysis. The certificate is designed to build practical expertise in evidence generation, healthcare decision science, and data-driven evaluation. Growth and changes in healthcare and life sciences landscape have created a clear need for professionals who understand how to work with RWE, interpret digital health data, and appropriately apply AI methods in clinical, economic, and patient-centered outcomes research. Graduates will be prepared for a wide range of roles, including health economics and outcomes research (HEOR), medical affairs, market access, RWE analytics, population health, health policy, quality improvement, and digital health evaluation.

Time Limit for Certificate Completion: 3 years

Campus Location: Online, asynchronous and synchronous.

Full-Time/Part-Time Status: The certificate may be completed on a part-time basis.

Non-Matriculated Student Policy: Non-matriculated students may take up to 9 credits of coursework before applying to the certificate program.

Admission Requirements and Deadlines

Application Deadline:

Fall admissions, with a deadline of July 30. Interested students should contact the School of Pharmacy for permission to enroll in course work.

Bachelor's Degree in Discipline/Related Discipline:

Applicants must meet the following requirements: BS degree in a related field (e.g., pharmaceutical sciences, chemistry, biology, math, chemical engineering or biochemistry) from an accredited institution

Certificate Requirements

Number of Credits Required to Complete the Certificate: 12

Required Courses:

Code	Title	Credit Hours
PP 5001	Foundations of Health Outcomes and Real-World Evidence (offered in Fall semester)	3
PP 5002	Machine Learning Applications for Health Outcomes Decision-Making (offered in Spring semester)	3
PP 5003	Economic and Value Assessment for Health Outcomes (offered in Fall semester)	3
PP 5004	Patient Outcomes and Digital Health (offered in Spring semester)	3
Total Credit Hours		12

Contacts

Certificate Program Web Address:

<https://pharmacy.temple.edu/academics/pharmaceutical-sciences-graduate-programs/applied-health-outcomes-artificial-intelligence>

Department Information:

Office of Graduate Studies, Suite 528
3307 North Broad Street
Philadelphia, PA 19140
tuspgrad@temple.edu
215-707-4972

Submission Address for Application Materials:

https://connect.temple.edu/portal/gr_applytoday

Department Contacts:

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