

Graduate Certificate: Pharmacokinetics and Mechanistic Modeling

SCHOOL OF PHARMACY

About the Certificate

The program is designed for current professionals in the field and pharmacy students who wish to enhance their credentials and skills. Industry employers actively seek candidates who have specific backgrounds in the development and interpretation of pharmacokinetic (mathematical) models that can predict drug disposition in humans.

By completing this program, you will

- learn basic pharmacokinetics concepts and pharmacokinetic-pharmacodynamic modeling and simulation for small and large molecule therapeutics;
- learn in vitro-in vivo correlation techniques for pharmacokinetics prediction; and
- learn related regulatory guidance.

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.

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 coursework.

APPLY HERE to the graduate certificate program.

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

Code	Title	Credit Hours
PS 8013	Pharmacokinetic Principles in Drug Discovery and Development: Small and Large Molecules (Pharmacokinetic Principles in Drug Discovery and Development: Small and Large Molecules)	3
PS 8014	In Vitro-In Vivo Extrapolation in Pharmacokinetics (In Vitro - In Vivo Extrapolation in Pharmacokinetics)	3
PS 8015	Mechanism Based Pharmacokinetic-Pharmacodynamic Modeling (Mechanism Based Pharmacokinetic - Pharmacodynamic Modeling)	3
PS 8016	Pharmacokinetic Principles to Meet Regulatory Guidance Requirements (Pharmacokinetic Principles to Meet Regulatory Guidance Requirements)	3
Total Credit Hours		12

Contacts

Certificate Program Web Address:

<https://www.drupal.temple.edu/academics/degree-programs/pharmacokinetics-and-mechanistic-modeling-certificate-graduate-ph-pkmm-grad>

Department Information:

Dept. of Pharmaceutical Sciences Office of Graduate Studies
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Philadelphia, PA 19140
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Submission Address for Application Materials:

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

Department Contacts:

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