

# Graduate Certificate: Drug Discovery

## SCHOOL OF PHARMACY

Learn more about the graduate certificate in Drug Discovery.

### About the Certificate

The Graduate Certificate in Drug Discovery in the School of Pharmacy at Temple University provides current pharmaceutical professionals and pharmacy students the opportunity to enhance their credentials and skills in drug discovery. Industry employers actively seek candidates who have an understanding of the processes involved in drug discovery.

Drug discovery involves the research process that identifies new therapies and delivers them to clinical trials. The process comprises multiple stages including target identification, hit identification, lead optimization and preclinical testing. Multiple scientific disciplines such as molecular biology, genetics, chemistry, molecular modeling and bioinformatics are employed to advance novel therapies capable of improving patient outcomes.

**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*

*Required Courses:*

Code	Title	Credit Hours
PS 8013	Pharmacokinetic Principles in Drug Discovery and Development: Small and Large Molecules <sup>1</sup>	3
PS 8021	Pharmacology in Drug Discovery <sup>1</sup>	3
PS 8022	Drug Design, Medicinal Chemistry and Screening Science <sup>2</sup>	3
PS 8023	Late-Stage Drug Discovery and Lead Molecule Progression <sup>2</sup>	3
<b>Total Credit Hours</b>		<b>12</b>

<sup>1</sup> Offered in fall semester.

<sup>2</sup> Offered in spring semester.

### Contacts

#### Certificate Program Web Address:

<https://www.temple.edu/academics/degree-programs/drug-discovery-certificate-graduate-ph-drddi-grad>

#### Department Information:

Dept. of Pharmaceutical Sciences Office of Graduate Studies  
3307 N. Broad Street, Suite 528  
Philadelphia, PA 19140  
tusgrad@temple.edu  
215-707-4972

## **Submission Address for Application Materials:**

[https://connect.temple.edu/portal/gr\\_applytoday](https://connect.temple.edu/portal/gr_applytoday)

## **Department Contacts:**

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