

# Graduate Certificate: Pharmacogenomics, Precision and Translational Medicine

## SCHOOL OF PHARMACY

Learn more about the graduate certificate in Pharmacogenomics, Precision and Translational Medicine.

## About the Certificate

The Graduate Certificate in Pharmacogenomics, Precision and Translational Medicine in the School of Pharmacy at Temple University is designed for healthcare professionals, pharmaceutical industry personnel and graduate students seeking to enhance their expertise in the rapidly evolving fields of precision medicine and translational research.

Pharmacogenomics is the study of how an individual's genetic makeup affects their response to medications. Precision and translational medicine take into account the individual's genetic makeup when determining a medical treatment, with the goal of identifying new treatments or drugs based on scientific discoveries.

Pharmacogenomics and precision medicine are revolutionizing healthcare and drug development. This emerging discipline combines genomic data interpretation, personalized therapeutics and the translation of scientific discoveries into clinical practice.

**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 8031	Fundamentals of Precision and Translational Medicine <sup>1</sup>	3
PS 8032	Clinical Implementation of Pharmacogenomics <sup>2</sup>	3
PS 8033	Advanced Topics in Translational Science and Clinical Trials <sup>2</sup>	3
QARA 5612	Bioethics for Pharmaceutical Professionals <sup>1, 3</sup>	3
<b>Total Credit Hours</b>		<b>12</b>

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

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

<sup>3</sup> This course contains a synchronous component comprised of a 1-hour weekly lecture on Zoom at 6 PM - 9 PM US Eastern time.

## Contacts

### Certificate Program Web Address:

<https://www.temple.edu/academics/degree-programs/pharmacogenomics-precision-and-translational-medicine-certificate-graduate-ph-pptm-grad>

### Department Information:

Dept. of Pharmaceutical Sciences Office of Graduate Studies

3307 N. Broad Street, Suite 528  
Philadelphia, PA 19140  
tuspgrad@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:**

*Assistant Dean of Graduate Programs, Non-Thesis MS & Certificates:*

Daniel Canney, PhD  
canney@temple.edu  
215-707-4948

*Director of Graduate Studies:*

Wayne Childers, PhD  
wayne.childers@temple.edu  
215-707-1079

*Assistant Professor of Pharmaceutical Sciences:*

Oscar Perez-Leal, MD  
oscar.perez@temple.edu