

TRANSLATIONAL RESEARCH, CERTIFICATE: REGULATORY SCIENCE

Penn offers three certificates in Translational Research: the Certificate in Translational Science (<https://www.itmat.upenn.edu/itmat-ed/certificate-in-translational-science.html>), the Certificate in Entrepreneurial Science (<https://www.itmat.upenn.edu/itmat-ed/certificate-in-entrepreneurial-science.html>), or the Certificate in Regulatory Science (<https://www.itmat.upenn.edu/itmat-ed/certificate-in-regulatory-science.html>). The Certificate in Regulatory Science is designed for PhD scientists who wish to pursue Regulatory Science careers in academia, the pharmaceutical and biotechnology industry, the consulting and legal industries, and federal agencies.

The certificate can be finished in one year and must be completed within two years.

For more information: <https://www.itmat.upenn.edu/itmat-ed/certificate/>

Curriculum

The certificate requires the completion of 4 course units with a passing grade of B- or better.

First Year		
Fall		Course Units
REG 5100	Introduction to Clinical and Translational Research	1
REG 6100	Fundamentals of FDA Regulation	1.0
		Course Units 2.00
Spring		
Select 2 electives from the following:		2
REG 6110	Clinical Trial Management	
REG 6120	Introduction to Drug Development	
MTR 6210	Cell and Gene Therapy	
REG 6220	New Trends in Medicine and Vaccine Discovery	
CHEM 7420	Medicinal Chemistry and Drug Design I	
MSE 5250	Nanoscale Science and Engineering	

Other Electives ²

Course Units	2.00
Total Course Units	4.00

- ¹ Other biostatistics courses may be substituted if taken in the past two years with a grade of B- or better.
- ² Students may take elective courses outside of these recommendations, by substituting a different MTR/REG course or a course outside of MTR/REG, but must obtain permission before enrolling.

Research Project

The certificate requires a one-year engagement in clinical and translational research. This will take the form of a new research project or as a translational arm to research currently being conducted. Prospective students will identify a mentor and define the research project at the time of application.

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2025 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.