

TRANSLATIONAL RESEARCH: TRANSLATIONAL SCIENCE, CERTIFICATE

Penn offers three certificates in Translational Research: the Certificate in Translational Science, the Certificate in Entrepreneurial Science, or the Certificate in Regulatory Science. The Certificate in Translational Science aims to develop a strong foundation in the fundamental techniques of translational research.

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

For more information: <http://www.itmat.upenn.edu/certificate/>

Curriculum

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

First Year		Course Units
Fall		
MTR 5100	Introduction to Clinical and Translational Research	1
MTR 6000	Introduction to Biostatistics 1	1
		Course Units 2.00
Spring		
Select 2 electives from the following:		2
MTR 6040	Scientific & Ethical Conduct	
MTR 6200	Medical Entrepreneurial Commercial Translational Science	
MTR 5350	Introduction to Bioinformatics	
REG 6100	Fundamentals of FDA Regulation	
REG 6110	Clinical Trial Management	
REG 6120	Introduction to Drug Development	
REG 6210	Cell and Gene Therapy	
REG 6220	New Trends in Medicine and Vaccine Discovery	

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 2023 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.