

TRANSLATIONAL RESEARCH: ENTREPRENEURIAL SCIENCE, CERTIFICATE

The Certificate Program provides training in translational science through the completion of four credit units of coursework and a research project. There are three certificates to choose from:

- Certificate in Regulatory Science (<https://www.itmat.upenn.edu/education-and-training/certificate-in-regulatory-science.html>)
- Certificate in Translational Science (<https://www.itmat.upenn.edu/education-and-training/certificate-in-translational-science.html>)
- Certificate in Entrepreneurial Science (<https://www.itmat.upenn.edu/education-and-training/certificate-in-entrepreneurial-science.html>)

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

For more information: <https://www.itmat.upenn.edu/education-and-training/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
	HCMG 8670	Health Care Entrepreneurship 2	
	MTR 6200	Medical Entrepreneurial Commercial Translation Science	
	MTR 6400	Seminar in Entrepreneurial Science 2	
	REG 6100	Fundamentals of FDA Regulation	
	Other Electives 3		
		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 MTR 6400 and HCMG 8670 are .5 CU each. Students are recommended to enroll in both courses to fulfill 1 CU.
- ³ 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.