

IMPLEMENTATION SCIENCE, CERTIFICATE

The Implementation Science Certificate Program will leverage the strengths of the University of Pennsylvania (e.g., clinical focus, learning health system, behavioral economics) to build implementation science capacity. Through a combination of didactics, experiential learning, and mentorship, the certificate program will facilitate the development of the next generation of trainees conducting impactful implementation research and practice.

The certificate program aims to equip trainees with the knowledge and skills to conduct rigorous, contextualized, and meaningful implementation research and practice. Specifically, the training will enable trainees to meet the following competencies:

- Describe theory and frameworks to design implementation research studies
- Describe multilevel contextual factors that impact implementation to execute implementation research at multiple ecological levels (i.e., individual, organizational, community, and policy)
- Select appropriate research methodologies for implementation science (e.g., randomized controlled trials, quasi-experimental trials, adaptive trials, observational studies)
- Describe measurement issues and implementation outcomes
- Design mixed methods research
- Describe importance of cultivating community partnerships and interdisciplinary research teams to improve practice partnerships
- Identify ethical issues specific to implementation research, including considerations of justice and equity
- Communicate research findings clearly to diverse stakeholder audiences, using plain language

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

Curriculum

Code	Title	Course Units
Core Requirements		
IMP 6000	Foundations in Implementation Science ^{1, 2}	1
IMP 6100	Ethics and Equity in Implementation Science	1
IMP 6200	Mixed Methods in Implementation Science	1
Capstone Requirement		
Select 1 from the following:		0.5
IMP 6300	Project Development in Implementation Sciences	
IMP 6400	Practicum in Implementation Science	
Elective Requirement		
Select from the following:		0.5
HPR 6210	Advanced Topics in Implementation Science in Health	
Or choose from a list of approved electives		
Total Course Units		4

¹ IMP 6000 is recommended. Students may substitute HPR 6110 or HPR 6200 to satisfy this requirement. If a student elects to take HPR 6110, they must fulfill an additional 0.5 CU elective to meet the minimum 4.0 CU requirement to earn the certificate.

² IMP 6000 will not be offered in Fall 2024. The next offering of this course will be Fall 2025.

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2024 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.