

# Clinical and Translational Research

The Master of Science in Clinical and Translational Research (CTR) is designed primarily for physicians, doctorally-trained basic scientists, and students in doctoral programs or medical school. The goal of the Master's in Clinical and Translational Research Program is to train clinicians and basic scientists to extend basic scientific research into the clinical arena, ultimately leading to improvements in individual and population health. By translating basic research into improved clinical outcomes, researchers and clinicians are able to provide new treatments to patients more efficiently and quickly.

Full details on the Master of Science in Clinical and Translational Research, including the most up to date list of course requirements, can be found at <https://www.brown.edu/academics/public-health/ctr/masters>

Note:

Starting in fall 2022, Brown will admit no new students to the ScM CTR program. The program will remain open until all enrolled students have graduated or completed their maximum time to graduate (i.e., five years from initial enrollment if enrolled full time). As with all degree programs at the Brown School of Public Health, the CTR ScM program is accredited by CEPH. The program will retain its accredited status.

## Master's in CTR Requirements

### Master's in CTR Requirements

Intro to Research Methods (Students must complete one of the following two courses)

PHP 2120 Introduction to Methods in Epidemiologic Research

PHP 2150 Foundations in Epidemiologic Research Methods

Biostatistics and Applied Data Analysis (Students must complete one of the following 2 courses sequences)

Sequence 1:

PHP 2507 Biostatistics and Applied Data Analysis I

PHP 2508 BioStatistics and Data Analysis II

Or

Sequence 2:

PHP 2510 Principles of Biostatistics and Data Analysis

PHP 2511 Applied Regression Analysis

Advanced Research Methods (Students must complete two of the following courses)

PHP 1560 Statistical Programming in R

PHP 2030 Clinical Trials Methodology

PHP 2040 Survey Research Methods

PHP 2060 Qualitative Methods in Health Research

PHP 2180 Interpretation and Application of Epidemiology

PHP 2200 Intermediate Methods in Epidemiologic Research

PHP 2410E Medicare: A Data Based Policy Examination

PHP 2415 Introduction to Evidence-based Medicine

PHP 2465A Introduction to Health Decision Analysis

PHP 2561 Methods in Informatics and Data Science for Health

Scientific Writing (Students must complete the following course)

PHP 2090 Research Grant Writing for Public Health

Topics in CTR (Students must enroll in this half credit course two times to fulfill the one credit requirement)

PHP 2470 Topics in Clinical, Translational and Health Services Research

Students must complete two CTR electives found at <https://www.brown.edu/academics/public-health/education-training/masters/clinical-and-translational-research/scm-ctr-electives>

The Certificate in Clinical and Translational Research is designed for trainees who need a more structured and intensive experience than can be obtained from taking one or two courses as a special/non-degree student, but who do not need or are not in a position to pursue the full Master's Degree. Students in the Certificate Program in Clinical and Translational Research must complete four courses. Full details on the Certificate in CTR can be found at <https://www.brown.edu/academics/public-health/ctr/certificate>.

## Certificate in CTR Course Requirements

### Certificate in CTR Course Requirements

Research Methods (Students must complete one of the following courses)

PHP 2120 Introduction to Methods in Epidemiologic Research

PHP 2150 Foundations in Epidemiologic Research Methods

PHP 2300 Research Methods in Behavioral Science

Biostatistics and Applied Data Analysis (Students must complete both of the following courses)

PHP 2507 Biostatistics and Applied Data Analysis I

PHP 2508 BioStatistics and Data Analysis II

Students must complete one elective from the list found at <https://www.brown.edu/academics/public-health/ctr/certificate>