

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> (<https://www.brown.edu/academics/public-health/ctr/masters/>)

For more information on admission, please visit: <https://www.brown.edu/academics/public-health/admissions> (<https://www.brown.edu/academics/public-health/admissions/>)

Master's in CTR Requirements

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

PHP 2120	Introduction to Methods in Epidemiologic Research
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PHP 2150	Foundations in Epidemiologic Research Methods
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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
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PHP 2508	BioStatistics and Data Analysis II
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Sequence 2:

PHP 2510	Principles of Biostatistics and Data Analysis
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PHP 2511	Applied Regression Analysis
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Advanced Research Methods (Students must complete two of the following courses)

PHP 1560	Statistical Programming in R
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PHP 2030	Clinical Trials Methodology
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PHP 2040	Survey Research Methods
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PHP 2060	Qualitative Methods in Health Research
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PHP 2180	Interpretation and Application of Epidemiology
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PHP 2200	Intermediate Methods in Epidemiologic Research
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PHP 2410E	Medicare: A Data Based Policy Examination
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PHP 2415	Introduction to Evidence-based Medicine
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PHP 2465A	Introduction to Health Decision Analysis
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PHP 2561	Methods in Informatics and Data Science for Health
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Scientific Writing (Students must complete the following course)

PHP 2090	Research Grant Writing for Public Health
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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
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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> (<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
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PHP 2150	Foundations in Epidemiologic Research Methods
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PHP 2300	Research Methods in Behavioral Science
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Biostatistics and Applied Data Analysis (Students must complete both of the following courses)

PHP 2507	Biostatistics and Applied Data Analysis I
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PHP 2508	BioStatistics and Data Analysis II
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Students must complete one elective from the list found at <https://www.brown.edu/academics/public-health/ctr/certificate>