

# CLINICAL AND TRANSLATIONAL SCIENCE (BRIDGE GRADUATE CERTIFICATE)

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Office: School of Medicine Biomedical Graduate Programs, 1128 Scott Hall

The Graduate Certificate in Clinical and Translational Science (Bridge Program) trains M.D./Ph.D. students in the key elements of clinical and translational science. Thus, the curriculum for this certificate includes courses in biostatistics; epidemiology; development of novel clinical and translational methodologies; designing and implementing clinical trials and clinical research; understanding the clinical presentation, diagnosis, management and treatment of patients in the context of cutting-edge research methodologies; adhering to federal regulatory and ethical requirements in conducting clinical and scientific research; and preparing, writing and submitting competitive fellowship and grant applications to national and federal peer-reviewed funding agencies as well as performing research.

Admission to these programs is contingent upon admission to the Graduate School (<http://bulletins.wayne.edu/graduate/general-information/admission/>) and the graduate programs of the School of Medicine (<http://bulletins.wayne.edu/graduate/school-medicine/programs/>), respectively. Admission is limited to students in the M.D./Ph.D. program. Applicants should file a Change of Graduate Status with the School of Medicine Graduate Program Office and include a very brief statement of purpose for enrolling in this curriculum.

This Graduate Certificate in Clinical and Translational Science requires fifteen credits of course work. Under this Bridge Program, all of the certificate credits may be applied toward the requirements of the M.S. in Medical Research (<http://bulletins.wayne.edu/graduate/school-medicine/programs/medical-research-ms/>). The program is designed for seven to eight years, over the duration of the M.D./Ph.D. program. All course work must be completed in accordance with the regulations of the Graduate School (<http://bulletins.wayne.edu/graduate/general-information/academic-regulations/>) and the School of Medicine (<http://bulletins.wayne.edu/graduate/school-medicine/programs/>) governing graduate scholarship and degrees, including a cumulative earned 3.0 g.p.a. in the courses offered for credit, and Satisfactory ('S') grades in the courses graded Satisfactory/Unsatisfactory (S/U).

## Required Courses

The Graduate Certificate in Clinical and Translational Science requires fifteen credits of courses including:

Code	Title	Credits
FPH 7010	Urban Community Assessment and Planning	1
FPH 7240	Epidemiology	3
MDR 7100	Clinical Research Design	2
MDR 7110	Clinical Field Experience	2
PSL 7710	Disease States and Reproductive Processes (or equivalent course)	1