

MS in Clinical and Translational Science

The MS in Clinical & Translational Science is designed to train future team leaders in clinical and translational science research. The program consists of a combination of integrative didactic and hands-on educational experiences that will provide students with a global, yet detailed, perspective on the complex continuum of translating hypothesis-driven basic research findings into clinically useful and commercially viable tests or treatments. Graduates of the program will utilize the knowledge obtained to design and oversee research programs, facilitate and manage collaborations, and lead research teams in clinical and translational research.

Medical students typically begin the MSCTS program after their second year of medical school. The MSCTS program consists of 6 required courses, 2 electives, and a mentored thesis and will be presented over a two-year period, although it is possible for medical students to complete the program in one-year. The curriculum is comprised of courses addressing fundamental aspects of basic, clinical, and translational research. These include state-of-the-art methodology for the design of basic science research and clinical trial protocols, biostatistics for translational research, Federal policies and regulations that address research with animals and human subjects, identifying and leveraging funding from public and private sources, especially for translational research, commercialization, and team leadership and management skills. Many elective courses are available through RWJMS-GSBS, RWJMS School of Public Health, and Rutgers University. Students are encouraged to seek out thesis mentors in areas of research interests. Multiple educational methods specifically tailored to suit particular programmatic goals and objectives are used including didactic, evidence-based, team-based, as well as experiential learning. For more information regarding the curriculum and syllabi of courses, please visit http://rwjms.rutgers.edu/education/gsbs/prospective/ms_cts.html.