

# CLINICAL RESEARCH CERTIFICATE (GRADUATE)

The Certificate in Clinical research program is designed to provide clinical professionals with some fundamentals of clinical research with less time commitment than what is required for the MS degree program. The curriculum provides scholars with an introduction to research design, regulatory issues, statistical concepts and data management. The certificate curriculum is comprised of 5 courses (12 credit hours total) covering basic biostatistics, epidemiological methods, ethics and responsible conduct of research, protocol design and writing, and an elective (from MSCR-M courses). For those scholars admitted to the MSCR program, the credits from the certificate would apply towards their masters of Science degree in Clinical Research. The MSCR Certificate is open to medical professionals and trainees, and is especially suited for K award applicants and recipients who may acquire these skills as part of their educational component.

The MSCR Certificate Program is modeled after the Clinical Research and Training Courses offered by the NIH Clinical Center.

## Requirements

The Clinical Research Certificate requires 12 credits comprised of the requirements listed below.

Course ID	Title	Credits
<b>Core Courses</b>		
MSCR 6420	Responsible Conduct of Resrch <sup>Summer</sup>	1
MSCR 6430	Introduction to Clinical and Translational Research <sup>Summer</sup>	3
MSCR 6440	Protocol Design and Writing <sup>Minimum 2 credit hours required, Offered in the Spring</sup>	2
SPHL 6050 or SPHL 6060	Biostatistics for Public Health <sup>Departmental approval required, Spring, Summer, or Fall</sup> Epidemiology for Public Health	3
<b>Elective(s)</b>	<b>Minimum of 3 credits are required, students may combine coursework below to reach 3 credits total or take one course below, provided the course carries a minimum of 3 credit hours.</b>	<b>3</b>
MSCR 6450	Therapeutics Seminar	
MSCR 7070	Molecular Medicine	
MSCR 7080	Cultural Competence Research	
MSCR 7090	Grant Writing	
MSCR 7300	Clerkship	
MSCR 7150	Journal Club	
MSCR 7400	Surgical Education Conference	
MSCR 7410	Surgical Research Consortium	
MSCR 7420	Clinical Mentorships	
MSCR 7430	Residency Didactics	
MSCR 7440	Independent Study	
MSCR 7450	Practical Skills	
MSCR 9980	Mentored Research Component	
<b>Total Credit Hours</b>		<b>12</b>