

MSCI curriculum

Clinician Scientist Track					
Core Course	Catalog number	Title	Credit Units	Prerequisites	Semester
x	MDCRC 6000	Introduction to Biostatistics	2		Su, F
x	MDCRC 6010	Introduction to Epidemiology	1		Su
x	MDCRC 6020	Data Management	1		Su
x	MDCRC 6030	Computer Practicum	1		Su
x	MDCRC 6040	Design of Clinical Trials	1	MDCRC 6000	F
	MDCRC 6050	Biostatistics for Basic Science	1 or 2		F
x	MDCRC 6060	MSCI Research Workshop	0.5		Su
x	MDCRC 6110	Intermediate Epidemiology	2	MDCRC 6000, 6010	F
	MDCRC 6120	Cost Effectiveness Analysis	2	MDCRC 6000	Sp
	MDCRC 6125	Cost Effectiveness Analysis II	2	MDCRC 6000, 6120	F
	MDCRC 6150	Foundations in Personalized Health	2		F
	MDCRC 6200	Systematic Reviews and Meta Analysis	3	MDCRC 6000, 6010	Sp
x	MDCRC 6210	Regression Models	2	MDCRC 6000, 6010	Sp
	MDCRC 6220	Survey Methods	2	MDCRC 6010	Sp
	MDCRC 6270	Methods in Comparative Effectiveness	2	MDCRC 6110, 6210	F
x	MDCRC 6280	CCTS Translational Symposium	1		Sp, F
	MDCRC 6320	Introduction to Genetic Epidemiology	1.5		F
	MDCRC 6370	Genetics and Medicine: Ethical, Legal and Social issues	2		F
	MDCRC 6420	Genetics of Complex Disease	1.5		Sp
x	MDCRC 6430	Bioethical Issues in Clinical Research	1		F
	MDCRC 6440	Medical Genetics for Clinical Investigation	1		Su
x	MDCRC 6450	Grant Writing	3		Sp,F
	MDCRC 6950	Independent Study	1 to 3		F, Su, Sp
x	MDCRC 6960	Research Project	1 to 10		F, Su, Sp
Med to Grad Track					
Core Course	Catalog number	Title	Credit Units	Prerequisites	Semester
	MDCRC 6000	Introduction to Biostatistics	2		Su, F
	MDCRC 6010	Introduction to Epidemiology	1		Su
	MDCRC 6020	Data Management	1		Su
	MDCRC 6040	Design of Clinical Trials	1	MDCRC 6000	F
x	MDCRC 6050	Biostatistics for Basic Science	1 or 2		F
	MDCRC 6150	Foundations in Personalized Health	2		F
x	MDCRC 6280	CCTS Translational Symposium	1		Sp, F
x	MDCRC 6300	Med into Grad Boot Camp	1		Sp
x	MDCRC 6420	Genetics of Complex Disease	1.5		Sp
x	MDCRC 6430	Bioethical Issues in Clinical Research	1		F
x	MDCRC 6500	U2M2 Clinical Rotations	3		F
x	MDCRC 6521	Medicine and Physiology for Molecular Biologists	2		F

x	MDCRC 6530	Utilization of Animal Models in the Development	2		Sp
x	MDCRC 6550	Med into Grad Into the Clinic			F, Sp
x	MDCRC 6822	U2M2 Special Topics	0.5		F
x	MDCRC 6960	Research Project	1 to 10		F, Sp, Su

Other Electives

	PBHLT 7410	Health Policy and Leadership	3		Sp
	PBHLT 7640	Research and Evaluation of Health Behavior	3		F
	FCS 6120	Demographic Methods	3	MDCRC 6000, 6210	Sp
	ECON 6190	Health Economics	3		Sp
	NURS 7104	Applied Informatics for Health Science Research	3		F
	PHS 7000	Biostatistics for Population Health Science(using R)	3		F
	MST 6020	Effective Leadership and Management for Scientist	1		F
	NEUSC 6250	Molecular Biology Lab	2		Sp
	ONSCS 7700	Special Topics	1		Sp

Revised 07/10/2019

To complete the program student should take 20 credits of didactic classes and 10 credits of research for a total of 30 required credits

