

## MSCI curriculum

Clinician Scientist Track					
Core Course	Catalog number	Title	Credit Units	Prerequisites	Semester
x	MDCRC 6000	<a href="#">Introduction to Biostatistics</a>	2		Su, F
x	MDCRC 6010	<a href="#">Introduction to Epidemiology</a>	1		Su
x	MDCRC 6020	<a href="#">Data Management</a>	1		Su
x	MDCRC 6030	<a href="#">Computer Practicum</a>	1		Su
x	MDCRC 6040	<a href="#">Design of Clinical Trials</a>	1	MDCRC 6000	F
	MDCRC 6050	<a href="#">Biostatistics for Basic Science</a>	1 or 2		F
x	MDCRC 6060	<a href="#">MSCI Research Workshop</a>	0.5		Su
x	MDCRC 6110	<a href="#">Intermediate Epidemiology</a>	2	MDCRC 6000, 6010	F
	MDCRC 6120	<a href="#">Cost Effectiveness Analysis</a>	2	MDCRC 6000	Sp
	MDCRC 6125	<a href="#">Cost Effectiveness Analysis II</a>	2	MDCRC 6000, 6120	F
	MDCRC 6150	<a href="#">Foundations in Personalized Health</a>	2		F
	MDCRC 6200	<a href="#">Systematic Reviews and Meta Analysis</a>	3	MDCRC 6000, 6010	Sp
x	MDCRC 6210	<a href="#">Regression Models</a>	2	MDCRC 6000, 6010	Sp
	MDCRC 6220	<a href="#">Survey Methods</a>	2	MDCRC 6010	Sp
	MDCRC 6270	<a href="#">Casual Inference in Comparative Effectiveness Research</a>	2	MDCRC 6110, 6210	F
x	MDCRC 6280	<a href="#">CCTS Translational Symposium</a>	1		Sp, F
	MDCRC 6320	<a href="#">Introduction to Genetic Epidemiology</a>	1.5		F
	MDCRC 6370	<a href="#">Genetics and Medicine: Ethical, Legal and Social issues</a>	2		F
	MDCRC 6410	<a href="#">Seminar Series (TRIP)</a>	.5 to 1		F, Su, Sp
	MDCRC 6420	<a href="#">Genetics of Complex Disease</a>	1.5		Sp
x	MDCRC 6430	<a href="#">Bioethical Issues in Clinical Research</a>	1		F
	MDCRC 6440	<a href="#">Medical Genetics for Clinical Investigation</a>	1		Su
x	MDCRC 6450	<a href="#">Grant Writing</a>	3		Sp, F
	MDCRC 6470	<a href="#">Implementation of Clinical Trials</a>	2		Sp
	MDCRC 6480	<a href="#">Community Engagement</a>	2		Sp
	MDCRC 6950	<a href="#">Independent Study</a>	1 to 3		F, Su, Sp
x	MDCRC 6960	<a href="#">Research Project</a>	1 to 10		F, Su, Sp
Med to Grad Track					
Core Course	Catalog number	Title	Credit Units	Prerequisites	Semester
	MDCRC 6000	<a href="#">Introduction to Biostatistics</a>	2		Su, F
	MDCRC 6010	<a href="#">Introduction to Epidemiology</a>	1		Su
	MDCRC 6020	<a href="#">Data Management</a>	1		Su
	MDCRC 6040	<a href="#">Design of Clinical Trials</a>	1	MDCRC 6000	F
x	MDCRC 6050	<a href="#">Biostatistics for Basic Science</a>	1 or 2		F
	MDCRC 6150	<a href="#">Foundations in Personalized Health</a>	2		F
x	MDCRC 6280	<a href="#">CCTS Translational Symposium</a>	1		Sp, F
x	MDCRC 6300	<a href="#">Med into Grad Boot Camp</a>	1		Sp
x	MDCRC 6420	<a href="#">Genetics of Complex Disease</a>	1.5		Sp
x	MDCRC 6430	<a href="#">Bioethical Issues in Clinical Research</a>	1		F
x	MDCRC 6500	<a href="#">U2M2 Clinical Rotations</a>	3		F
x	MDCRC 6521	<a href="#">Medicine and Physiology for Molecular Biologists</a>	2		F

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

#### Other Electives

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

**Revised 02/10/2021**

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