

# MSBS IN CLINICAL RESEARCH

Code	Title	Hours
<b>Core Curriculum</b>		
PUBH 6000	Quantitative and Qualitative Data Analysis in Public Health	3
PUBH 6010	Public Health Epidemiology	3
HURM 6730	Performance Management	3
MGMT 6150	Leading and Developing Yourself	3
MLS 6100	Interdisciplinary Research Methods	3
INDI 6020	On Being a Scientist	1
SURG 6010	Leadership in Health Care	3
SURG 6020	Medical Research, Simulation, Innovation, and Education	3
<b>Electives - select from following for total of 9 credits</b>		
BIPG 5100	Fund Bioinformatics Proteomics	3
BIPG 5200	Statistical Methods in Bioinformatics	3
EFSB 6590	New Venture Creation	3
EFSB 6690	Strategic Management of Innovation	3
MGMT 6160	Leading With Power and Influence	3
BMSP 6250	Grant Writing Workshop	2
PUBH 6030	Advanced Epidemiology	3
PUBH 6060	Advanced Biostatistics	3
PUBH 6550	Chronic Disease Epidemiology	3
PUBH 6120	Epidemiology Infectious Diseases	3
PUBH 5410	Hazard Control	3
LAWM 5000	Law And The Legal System	2-3
LAWI 6710	Patent Law	2-3
LAWI 6720	Intellectual Property Survey	2-3

Additional electives may be approved on an individual basis, according to student career goals, at the graduate level within BIPG, EFSB, INDI, PUBH, LAWI, or other areas

Master of clinical research will provide student the knowledge needed for a career in clinical research. The Learning Outcomes in general are:

- 1) Master the essence of statistics in behavioral science needed to help analyze and describe data.
- 2) Describe how to study populations using epidemiological methods and compare populations.
- 3) Demonstrate health care in general and type of leaderships in health care.
- 4) Understand how to manage working groups and laws governing employment.
- 5) Design a research project in health care, formulate a research theory, execute a study and follow the steps from conception to publication.
- 6) Implement use of information technology in health care.
- 7) Describe leadership in general and in health care in particular.
- 8) Demonstrate concepts of leading people influencing and motivating workers to work and achieve goals.
- 9) Introduce methods of grant writing and methods of trying to obtain grants in health care.
- 10) Be effective in leading teams in research and designing research to help improve quality in health care.