

# MSCE ELECTIVE (MMCE)

Code	Title	Course Units
BMIN 5030	Data Science for Biomedical Informatics	1
EPID 5340	Qualitative Methods in the Study of Health, Disease and Medical Systems	1
EPID 5500	Clinical Economics and Decision Making	1
EPID 5750	Introduction to Genetic Epidemiology	1
EPID 5800	Outcomes Research	1
EPID 5820	Systematic Review and Meta-Analysis	1
EPID 5840	Health Disparities Research	1
EPID 6000	Data Science for Biomedical Informatics	1
EPID 6210	Longitudinal and Clustered Data in Epidemiologic Research	1
EPID 6220	Applied Regression Models for Categorical Data	0.5
EPID 6230	Survival Data Analysis	0.5
EPID 6240	Methods in Patient-Centered Outcomes and Effectiveness Research	1
EPID 6250	Advanced Biostatistical Methods for Multivariable Prediction Models	0.5
EPID 6300	Clinical Trials	1
EPID 6320	Introduction to Biomedical and Health Informatics	1
EPID 6340	Clinical Trial Outcomes: Measurement, Analysis and Interpretation	1
EPID 6360	Epidemiological Methods in Acute Care Research	1
EPID 6380	Topics in Clinical Trial Design and Analysis	1
EPID 6440	Cardiopulmonary Epidemiology	1
EPID 6450	Research Methods in Cancer Epidemiology	1
EPID 6460	Reproductive Epidemiology	1
EPID 6520	Renal and Urologic Epidemiology	1
EPID 6560	Research Methods in Infectious Diseases Epidemiology	1
EPID 6580	Gastroenterology Epidemiology	1
EPID 6640	Methods in Neurologic Clinical Epidemiology	0.5
EPID 6660	Methods for Real-World Evidence on Therapeutics	1
EPID 6720	Biostatistical Methods for Addressing Confounding	1
EPID 6740	Measuring the Microbiome: Methods and Tools	1
EPID 6750	Advanced Methods for Analysis of Complex Genetic Traits	1
EPID 7140	Grant Writing/Review	0.5
HPR 5500	Clinical Economics and Decision Making	1
HPR 5800	Outcomes Research	1
HPR 7140	Grant Writing/Review	0.5
PUBH 5170	Geography & Public Health	1
PUBH 6100	Mathematical Modeling of Infectious Diseases	1