

# MCS CORE COURSES (BMCC)

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Code	Title	Course Units
BBCB 5540	Macromolecular Crystallography: Methods and Applications	1
BMB 5670	Bio-inorganic Chemistry	1
BMB 7510	Chemical Biology	1
CHEM 5210	Statistical Mechanics I	1
CHEM 5230	Quantum Chemistry I	1
CHEM 5240	Quantum Chemistry II	1
CHEM 5260	Chemical Dynamics	1
CHEM 5410	Chemical Kinetics	0.5
CHEM 5411	Physical Organic Chemistry	1
CHEM 5430	Modern Organic Synthesis	1
CHEM 5440	Organic Reaction Mechanisms	1
CHEM 5510	Biological Chemistry I	1
CHEM 5520	Biological Chemistry II	1
CHEM 5570	Mechanisms of Biological Catalysis	1
CHEM 5620	Inorganic Chemistry II	1
CHEM 5640	Organometallics	1
CHEM 5650	Main Group Chemistry	1
CHEM 5670	Bio-inorganic Chemistry	1
CHEM 7210	Mathematics for Chemistry	0.5
CHEM 7410	Spectroscopy	0.5
CHEM 7412	NMR Spectroscopy	0.5
CHEM 7510	Chemical Biology	1
CHEM 7640	Materials Chemistry	1
MSE 5000	Experimental Methods in Materials Science	1
MSE 5550	Electrochemical Engineering of Materials	1